- Impact of Conventional Versus Biventricular Pacing on Hemodynamics and Tissue Doppler Imaging Indices of Resynchronization in Postoperative Children with Right Ventricular Conduction Delay, 3517
- Impact of Genetic Syndromes on Surgical Correction of Tetralogy of Fallot,
- Impaired Cerebral Oxygenation is Common in the Perioperative Norwood Period, 2887
- Impairment of Primary Hemostasis (Type IIa von Willebrand Syndrome) in Obstructive Cardiomyopathy: Close Correlation with the Severity of Obstruction, 3626
- Incidence and Risk Distribution of Heart Failure in Grown ups with Congenital Heart Disease in the Long-Term Follow-up After Cardiac Surgery, 3633
- Interactive Real-Time Magnetic Resonance-Guided Atrial Septal Puncture and Atrial Balloon Septostomy are Feasible in Swine, 3199
- Intermediate Follow-Up of Native and Recurrent Coarctation Stent Repair: Is Integrated Imaging of the Aortic Arch Necessary? A Multi-Institutional Study, 2634
- Intracardiac Thrombus in Adults with Fontan Operation: Treatment and Clinical Outcome, 3630
- Intracoronary Ultrasound Assessment Late after the Arterial Switch Operation for Transposition of the Great Arteries, 3195
- Late Atrial Tachyarrhythmia and Survival in 740 Patients after Fontan Operation: A Japanese Multicenter Study, 3021
- Levosimendan Reduces Increased Pulmonary Vascular Resistance in Children after Cardiac Surgery, 2479
- Living Heart Valve Tissue Engineered from Human Umbilical Cord Blood Progenitor Cells, 2481
- Long-term Right Ventricular Apex Pacing in Patients with Congenital AV
- Block Does Not Have a Detrimental Effect on Ventricular Function, 1651 Magnetic Resonance Myocardial Delayed Enhancement in Infants with Anomalous Origin of Left Main Coronary Artery from Pulmonary Artery,
- Mesenteric Blood Flow Velocities in the Newborn with Single Ventricle Physiology: Modified Blalock-Taussig Shunt vs. Right Ventricle-Pulmonary Artery Conduit, 2083
- Modification of Stage 1 Palliation Following Fetal Aortic Valvuloplasty,
- MR-Guided Cardiac Catheterization in Children and Adults, 2840 Multidetector CT with Three-dimensional Reconstruction: Evaluation of Systemic and Pulmonary Vasculature and Tracheobronchial Tree in Newborns and Infants, 1845
- Multislice Computed Tomography Accurately Quantifies Right Ventricular Size and Function in Adults with Congenital Heart Disease, 3018 Mutation in the KCNQ1 Gene Leading to the Short-QT-Interval Syndrome,
- Neointimal and Medial Thickening of Aortopulmonary Collateral Arteries in Organ Culture, 3406
- Neurohormone and Cytokine Activation Relate to Symptoms and Cardiac Function as Quantified by Cardiovascular Magnetic Resonance late After Repair of Tetralogy of Fallot, 3016
- Novel Downstream Targets of the Homeodomain Transcription Factor Nkx2.5 Identified Through Transcriptional Profiling, 1379
- Outcome Predictors in Pediatric Hypertrophic Cardiomyopathy, 2080 Parental Factors Impacting the Enrollment of Children in Cardiac Critical Care Clinical Trials, 2079
- Patent Foramen Ovale In Obstructive Sleep Apnoea, 2224
- Pediatric Heart Transplantation at Stanford: Analysis of Three Decades of Experience, 2715
- Percutaneous Pulmonary Valve Implantation Improves Haemodynamics And Early Exercise Capacity, 2066
- Postoperative Outcomes of Bidirectional Cavopulmonary Connection Performed After a Stage I Palliation with a Right Ventricular to Pulmonary Artery Conduit Versus a Modified Blalock-Taussig Shunt, 2876
- Pulmonary Arterial Thrombosis in Eisenmenger Syndrome is Associated with Ventricular Dysfunction, Neurohormonal Activation, and Poorer Exercise Capacity, 3631
- Quality of Life and Family Impact in Survivors of Single Ventricle Congenital Heart Disease, 2881
- Quality of Life in Children with Heart Disease: The Parents' Perspective,
- Remote Ischemic Preconditioning Reduces Myocardial Injury in Children Undergoing Open Heart Surgery, 2644
- Right Atrial and Ventricular Adaptation to Chronic Right Ventricular Pressure Overload, 1887
- Right Ventricular Myocardial Fibrosis Late after Repair of Tetralogy of Fallot Demonstrated by Late Gadolinium Cardiovascular Magnetic Resonance: Correlation with Right Ventricular Dysfunction, Neurohormonal Activation, and Exercise Intolerance, 3017
- Roles of CHF1/Hey2 in Endocardial Cushion Remodeling, Myocardial Maturation and Vascular Development, 277
- Salvage Cardiac ECMO: We Can Do It, But Should We?, 2889

- Serum Angiogenic Activity Is Increased In Patients with Cyanotic
- Congenital Heart Disease, 1836 Significance of Enhanced P-Selectin Expression on Platelets and Decreased Thrombomodulin in Patients with Cyanotic Congenital Heart Disease, 2882

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- Single-Ventricle Palliation with Right Ventricle to Pulmonary Artery Conduit: Early Outcomes and ICU Course Compared with the Traditional Norwood Operation, 2890
- Spiral Computed Tomography with Three-Dimensional Reconstruction for Evaluating Tracheal Compression in Children with Vascular Ring and Pulmonary Artery Sling, 1849
- Tetralogy of Fallot for Morphologically Equivalent Infants: Repair with Annulus Preservation Compared to a Transannular Patch Yields Improved Mid-Term Right Ventricular Dimensions, 3411
- The Efficacy of a Novel Biodegradable Material with in Situ Recellularization for Reconstruction of the Arterial Wall in Cardiovascular Surgery, 2645
- The Influence of Transplant versus Reconstructive Approach on Neurodevelopmental Outcome in Hypoplastic Left Heart Syndrome,
- The Relationship of Medical and Patient Characteristics to Health-Related Quality of Life in Adolescents after the Fontan Procedure, 2077
- The Role of Neonatal Electrocardiography in the Early Identification of Genetic Arrhythmogenic Disorders and Congenital Cardiovascular Diseases: Prospective Data from 21,000 Infants, 1930
- The Ross Procedure in Infancy Followed into Late Childhood, 2483 Transcatheter Closure of Interatrial Defects in Patients With Pulmonary Hypertension, 3024
- Transcatheter Closure of Perimembranous Ventricular Septal Defects using the Amplatzer Membranous VSD Occluder: Immediate and mid-term results, 2631
- Transcatheter Closure of Perimembranous Ventricular Septal Defects using the New Amplatzer Membranous VSD Occluder: Result of the U.S. Phase I Trial, 2632
- Truncus Arteriosus Associated with Interrupted Aortic Arch in 50 Neonates: A Congenital Heart Surgeon Society Study, 2482
- Upregulation of Hypoxia Inducible Factor Reduces Neuronal Loss in Neonatal Piglets Undergoing Deep Hypothermic Circulatory Arrest, 1885
- Use of an Allograft Patch in Repair of Hypoplastic Left Heart Syndrome May Complicate Future Transplantation, 3413
- Use of Mathematical Modelling to Compare and Predict Hemodynamics of the Norwood and the Sano operations for hypoplastic left heart syndrome, 2476
- Zebrafish (Danio rerio) model of Barth Syndrome, 215

# Contractile proteins

- Alpha8 Integrin Downregulation by siRNA Increases Vascular Smooth Muscle Cell Migration: Implication in Restenosis After Angioplasty, 1482
- Ca2+-Sensitizing Effect of Familial Hypertrophic Cardiomyopathy-Linked Troponin T Mutation Reduces Contractile Reserve of Mouse Heart, 509
- Carboxyl-terminal Fragment of Myosin Light Chain Kinase Increases Actin Translocation Velocity of Cardiac Muscles, 968
- Cardiomyocyte Stiffening in Diastolic Heart Failure, 2956
- Contractile Dysfunction in Human Chronic Atrial Fibrillation Is Associated with Hyperphosphorylation of Phospholamban and Phosphatase Inhibitor-1, 64
- Directed Differentiation of Adult Human Bone Marrow Stem Cells into Lineage-Defined Cardiac Muscle-Like Cells , 445
- Faster Decay of Crossbridge Dynamics during Diastole in Endomyocardial Region Compared with Epimyocardial Region, 521
- Functional Comparison of Two Missense Mutations in Troponin C Identified in a Patient with Idiopathic Dilated Cardiomyopathy, 2954
- Hyperinsulinemia Activates Vascular Angiotensin II in Humans, 2043 Increasing Myofilament Ca2+ Sensitivity Causes Action Potential
- Remodeling, Afterdepolarizations, and Ventricular Arrhythmias, 781 Mechanical Strain Affects Vascular Smooth Muscle Phenotype on
- Micropatterned Surfaces, 1513 Modifications to Troponin C with Brief Ischemia/Reperfusion Injury, 1540 Muscle-specific Ring Finger 1 is a Bona Fide Ubiquitin Ligase that
- Degrades Cardiac Troponin I, 762 Protein Kinase A Corrects High Resting Tension Of Cardiomyocytes From Patients With Diastolic Heart Failure, 2094
- Short Interfering RNA-mediated Silencing of Cardiac Obscurin Gene: Block of Hypertrophic Response and Effect on Myofibrillogenesis, 1537 Structure-Function Relationships of Eight Mutations in Troponin and
- Tropomyosin that Cause Dilated Cardiomyopathy, 57 The Cardiac Myosin Activator, CK1122534, Increases Contractility in Adult
- Cardiac Myocytes but Does Not Affect the Calcium Transient or Depend on Second Messenger Signaling, 2256
- The Functional and Opposing Effects of PKA and PKC Phosphorylation on Cardiac Troponin I, 1282
- The Internal Troponin-T Binding Domain of Striated β-Tropomyosin Alters Heart Physiology and Blunts Adrenergic Response without Altering Myofilament Calcium Sensitivity, 455

111-943

The Prominent α-Adrenergic Inotropic Effect In Human Atria Depends on Myosin Light Chain Phosphorylation, 1286

## Contractility

δ-Opioid Receptor Agonist Reduces the Severity of Postresuscitation Myocardial Dysfunction, 2493

3-lodothyronamine is a Novel Endogenous Modulator of Cardiac Inotropic

A Novel Chimeric Molecule that Exhibits Simultaneous β-Adrenoreceptor Blockade and Cardiac Inotropy in the Heart, 965

A Tissue Engineered Myocardial Patch Derived from Extracellular Matrix Performs Regional Mechanical Work, 1884

Ablation of Junctin by Gene Targeting Results in Enhanced Cardiac Contractility and Ca2+ Kinetics, 622

Adenylyl Cyclase Type V Deletion is Associated with Increased Basal Left Ventricular Function, but Decreased Response to β-Adrenergic Receptor Stimulation, 1220

Angiogenesis but not Arteriogenesis Supports Regional Contractility in Chronic Myocardial Ischemia, 1292

Arterial Input Impedance, Arterial Function, and Ventricular-Vascular Interaction in the Mouse Assessed with the Conductance Catheter, 522 Ca2+-Sensitizing Effect of Familial Hypertrophic Cardiomyopathy-Linked

Troponin T Mutation Reduces Contractile Reserve of Mouse Heart, 509 Carboxyl-terminal Fragment of Myosin Light Chain Kinase Increases Actin Translocation Velocity of Cardiac Muscles, 968
Cardiac Adenoviral S100A1 Gene Delivery Rescues Contractile Function of

Failing Myocardium, 4

Cardiac Repair with Mesenchymal Stem Cells following Myocardial Infarction in Pigs, 815

Cardiomyocyte Stiffening in Diastolic Heart Failure, 2956

Cardiomyocyte-Restricted Overexpression of Endothelial Nitric Oxide Synthase (NOS3) Potentiates Postsynaptic Vagal Inhibition of Cardiac Contraction In Vivo and In Vitro, 523

Chronic Xanthine Oxidase Inhibition Attenuates the Development of  $\beta$ -adrenergic Hyporesponsiveness and Altered Calcium Cycling Proteins in Chronic Pacing-Induced Heart Failure, 2952

Complete Restoration of Atrial Contractility by the Atrial K\*-channel Blocker AVE0118 after Cardioversion of Atrial Fibrillation in the Goat,

Differences in Development of Cardiac Contractile Dysfunction in Mice Models of Type II Diabetes and the Metabolic Syndrome, 493 Direct Regulation of SERCA Activity by S-Glutathiolation at Cys674 by

Peroxynitrite, 427 Doppler-derived Ejection Intraventricular Pressure Gradients Provide a Reliable Assessment of Left Ventricular Contracility, 1997

Effects of Urocortin II in Isolated Cardiac Myocytes from the Muscle LIM Protein Knockout Mouse, a Model for Dilated Cardiomyopathy: Bypass of Blunted  $\beta$ -Adrenergic Response in Heart Failure, 2810

Esmolol Administered During CPR Improves Resuscitation, 1858 Functionally Opposing Roles of Extracellular Signal-Regulated Kinase and p38 Mitogen-Activated Protein Kinase in the Regulation of Cardiac Contractility, 508

Heme oxygenase-1 Induction Improves the Viability of Adult Cardiomyocyte Cellular Grafts in Vivo, 1446

Human (N27K) Phospholamban Exacerbates Stress-induced Cardiac Hypertrophy and Ischemic Injury, 56

Human Atrial Fibrillation is Associated with an Alteration in Calcium Cycling Protein Expression without Change in Contractile Protein Performance, 1431

In vivo Gaq Overexpression is Associated with Increased Oxidative Stress and Impaired Myocyte Function , 229 Increase in Spontaneous Ca<sup>2+</sup> Sparks With Depressed Myocyte Function

in Canine Severe Left Ventricular Hypertrophy, 935

Isovolumic Contraction Velocity is a Potential Measurement of Left Ventricular State of Contractility: A Simultaneous Pulsed Doppler Tissue Imaging and Cardiac Catheterization Study, 1732

Left Ventricular Hypertrophy is Associated with Normal Segmental Wall Motion at the Site of Myocardial Infarction, 1995

Left Ventricular Pressure-Volume Relationship in Conscious Mice, 3373 Levosimendan for Management of CPR, 2484 Levosimendan Improves Postresuscitation Myocardial Function in a

Porcine Model of Cardiac Arrest and Resuscitation, 1856

Long-term Inhibition of RhoA Enhances Endothelial NO Production and Reduces Vascular Tone in an Intact Artery, 731

Mechanism of RhoA/Rho Kinase in Stretch-induced Myogenic tone, 1175 Mitochondrial K-ATP Channel Activation by Levosimendan Protects Cardiac Myocytes from Oxidant Stress-Induced Apoptosis and Contractile Dysfunction, 2255

Modulation of the β-adrenergic receptor kinase improves cardiac function in a neonatal model of right ventricular hypertrophy, 1281

Myocardial Dysfunction by MRI Tagging Is Directly Related To Reduced Coronary Flow Reserve by MRI Perfusion in Asymptomatic Participants

of the Multi-Ethnic Study of Atherosclerosis, 3491 p38 MAP Kinase Mediates Progressive Right Ventricular Force Decline after Acute Stretch, 1285

Pantoprazole Induces A Dose-Dependent And Reversible Depression Of Contractile Function In Human Myocardium, 141

Phosphorylation and Depolymerization of the Intermediate Filament Protein Vimentin is Regulated by p21-protein Kinase During Stimulation of Smooth Muscle, 1026

Protein Kinase A Corrects High Resting Tension Of Cardiomyocytes From Patients With Diastolic Heart Failure, 2094
Quantitative Assessment of Regional Myocardial Function in Mice by

Tissue Doppler Imaging: Comparison with Hemodynamics and Sonomicrometry, 2568

Reversal of Cardiac Dysfunction by the Conditional Expression of Glycogen Synthase Kinase (GSK) 3-β in the Pressure-Overloaded Heart,

Short Interfering RNA-mediated Silencing of Cardiac Obscurin Gene: Block of Hypertrophic Response and Effect on Myofibrillogenesis, 1537

Signs Of Systolic And Diastolic Heart Failure In Caveolin-1 Knockout Mice Establish A Crucial Role Of Caveolin-1 In Cardiac Perfomance, 23

Sildenafil Attenuates the Inotropic Response to β-1 Stimulation in Humans,

Structure-Function Relationships of Eight Mutations in Troponin and Tropomyosin that Cause Dilated Cardiomyopathy, 57

Survival after Levosimendan Compared to Dobutamine, 2486 The Cardiac Myosin Activator, CK1122534, Increases Contractility in Adult Cardiac Myocytes but Does Not Affect the Calcium Transient or Depend

on Second Messenger Signaling, 2256 The Internal Troponin-T Binding Domain of Striated  $\beta$ -Tropomyosin Alters Heart Physiology and Blunts Adrenergic Response without Altering Myofilament Calcium Sensitivity, 455

The Optimal Adrenergic Agent for Cardiopulmonary Resuscitation, 2492 The Volume-Sensitive Chloride Channel Antagonist IAA-94 Prevents both Contractile Dysfunction and Apoptosis Induced By Doxorubicin in Adult Isolated Cardiomyocytes, 136

Ultrasound Tissue Characterization may be used to Detect Subclinical Left Ventricular Dysfunction and Fibrosis in Asymptomatic Severe Mitral

Regurgitation, 2736
Use-Dependent β2-Adrenergic Receptor-Gi Coupling Requires RGS and β-ARK/PKA-Mediated Receptor Phosphorylation, 433

### Contrast echo

Can Myocardial Contrast Echocardiography Replace Radionuclide Perfusion Imaging for the Detection of Residual Infarct-Related Artery Stenosis and Multivessel Disease Following Acute Myocardial Infarction?, 3457

Coronary Flow Reserve by Contrast-Enhanced Transthoracic Echocardiography: a New Noninvasive Predictor of Cardiac Allograft Vasculopathy, 2720

Development of a Novel Microbubble Agent for Ultrasound-Mediated Targeted Drug Delivery, 2395

Differentiation of Arteriogenesis from Capillary Perfusion with Contrast Ultrasound During Therapeutic Angiogenesis, 2388

Drag-Reducing Polymers Increase Capillary Volume and Improve Coronary Flow Reserve During Coronary Stenosis, 3462

Effect of Transthoracic Ultrasound and Intravenous Microbubbles on Sympathetic Nerve Activity in Rabbits, 2393

Enhancement of in vivo Clot Visualization and Ultrasound Thrombolysis Using Microbubbles Targeted to Activated Platelets, 3460

Functional Border Zone in Acute Myocardial Ischemia: Asset Tissue Strain and Myocardial Contrast Echocardiography, 3321 Identification of Risk Area and Infarct Zone Myocardium from the Contrast Hyperenhancement Visualized After Occlusion/Reperfusion using

Delayed Imaging and Exposure to High-Energy Ultrasound, 3317 Impact of Infarct Transmurality on Transmural Blood Flow in Patients with Chronic Left Ventricular Ischemic Dysfunction, 3319

Impact of Microbbuble Shell and Mode of Contrast Administration on Microvascular Integrity and Myocardial Function During Contrast Echocardiography, 3463

In Vivo Validation of Quantitative Evaluation of Myocardial Perfusion from Image Sequences of Transient Contrast Inflow, 3322

Incremental Prognostic Value of Contrast-Enhanced Dobutamine Stress Echocardiography in the Prediction of Cardiovascular Outcome in Heart Transplant Recipients, 2400

Incremental Value of Myocardial Microvascular Abnormalities and Left Ventricular Systolic Strain Rate in Predicting Cardiac Events in Patients With Dilated Cardiomyopathy, 2565

Influence of Collateral Flow on Phasic Changes in Myocardial Acoustic Intensity Leads to Underestimation of Stenosis Severity on Myocardial Contrast Echocardiography, 3459

Intracoronary Hyperbaric Oxygen Administered During Primary Percutaneous Coronary Intervention Prevents One Month Left Ventricular Remodeling , 3229

Intravenous Adenosine Improves Microvascular Reflow Assessed by Contrast Echocardiography in Patients with Acute Myocardial Infarction,

Intravenous Delivery of Autologous and Allogenic Mesenchymal Stromal Cells Limits Infarcts Size and Improves Left Ventricular Function in the

- Infarcted Porcine Heart, 1199
- Is Myocardial Contrast Echo Accurate for the Diagnosis of Coronary Artery Disease in Diabetic Patients?, 3320
- Mast Cells as a Backstay for Reducing Postinfarction Ventricular Remodeling through Promotion of Angiogenesis in Peri-Infarct Zones, 121
- Myocardial Contrast Echocardiography is a Powerful Long-term (up to 6 Years) Predictor for Cardiac Events in Patients With Known or Suspected Coronary Artery Disease, 3456
- Myocardial Contrast Echocardiography Provides Superior Information Compared With the TIMI Score in Patients Presenting to the Emergency Department with Suspected Cardiac Chest Pain and a Nondiagnostic Electrocardiogram, 1606
- Myocardial Delivery of Nanoparticles by Ultrasound-Targeted Microbubble Destruction. Is Transient Dysfunction the Price to Pay ?, 2387
- Myocardial Perfusion as Measured with Real-Time Myocardial Contrast Echocardiography in Healthy Volunteers Correlates with Positron Emission Tomography, 3324
- Myocardial Perfusion Imaging and Quantification Using Interrupted Contrast Infusion, 3318
- Novel Echogenic Tissue Plasminogen Activator-Loaded Liposomes for Site-Specific Thrombolysis, 2390
- Quantitative Myocardial Contrast Echocardiography Can Illustrate Transmural Extent of Microvascular Damage in Acute Myocardial Infarction: Validation Using Tissue Doppler Imaging, 2392
- Real-Time Myocardial Contrast Echocardiography, Perfusion Quantitative Analysis, and Heterogeneity in Hypertrophic Obstructive Cardiomyopathy, 3139
- Reduced Coronary and Myocardial Flow In Severe Aortic Stenosis Is Associated With Increased Myocardial Apoptosis, 3445
- Regional Heterogeneity of Myocardial Blood Flow Velocity Reserve in Non-Ischemic Cardiomyopathy is Associated with Increased QT Dispersion, 3315
- Role of Coronary Flow Reserve with Contrast-Enhanced Dobutamine Stress Echocardiography in Predicting Outcome in Patients with Known or Suspected Coronary Artery Disease, 2728
- Targeted Ultrasound Imaging of Apoptosis in Acute Myocardial Injury with Annexin-A5 Microspheres, 2386
- The Role of Complement in Microbubble Adherence to Dysfunctional Arterial Endothelium, 3461
- Tissue-Level Perfusion Predicts Remote Clinical Outcomes More Accurately than Relaxation Abnormality in Patients with Myocardial Infarction, 3316
- What is the Relationship between Flow and Function in Diabetic Cardiomyopathy? A Quantitative Study Using Contrast Echo and Strain Rate Imaging, 2394

# Contrast media

- N-Acetylcysteine Prophylaxis Significantly Reduces the Risk of Radiocontrast-Induced Nephropathy: Comprehensive Meta-Analysis, 1797
- A Prospective, Randomised Trial to Determine Early and Late Reactions After the Use of Iopamidol 340 and Iobitridol 350 in Cardiac Catheterisation, 1798
- Acetyloysteine Prevents Contrast-Induced Nephropathy In Patients Undergoing Coronary Angiography Using Low-Osmolar Contrast Media But Not In Patients Submitted To Iso-Osmolar Contrast Media - A Meta-Analysis, 1794
- Atherosclerotic Plaque Detection by Contrast-Enhanced MRI: Gadofluorine vs Gd-DTPA, 3175
- Contrast Nephropathy and Visipaque Use in Routine Clinical Practice of Percutaneous Coronary Intervention: Insights from Toronto General Hospital PCI Registry, 2319
- Detection of VCAM-1 Expression on Activated Endothelial Cells by Magnetic Resonance Immunohistochemistry (MRIhc) Using Targeted Iron Oxide Nanoparticles, 3174
- Differences of Gd-DTPA Kinetic in Normal, Stunned and Necrotic Myocardium in Patients with Acute Myocardial Infarction, 2838
- Early versus Advanced Atherosclerotic Plaque in vivo Detection by Gadofluorine-Enhanced Magnetic Resonance Imaging, 177
- Fibrin-Targeted Contrast Enhancing Agent for Acute and Chronic Thrombus Detection with Magnetic Resonance Imaging in vivo, 1189
- Imaging Atherosclerotic Plaques with an Endogenous Contrast Agent: HDL, 3435
- Lower Hematocrit Predicts Contrast Induced Nephropathy after Percutaneous Coronary Interventions, 2865
- MR Perfusion Imaging for Detection of Coronary Artery Disease: A Multicenter Dose Finding Study in Comparison with X-Ray Coronary Angiography and Single Photon Emission Computed Tomography, 2987
- N-Acetylcysteine in the Prevention of Radiocontrast-Induced Nephropathy in High-Risk Patients Undergoing Urgent or Emergent Coronary Anglography, 2116
- No Reflow Detected by Delayed Contrast Enhancement Predicts Ventricular Remodeling Following an ST-Segment Elevation Myocardial Infarction, 2091

- Paramagnetic a,b<sub>3</sub>-Integrin-Targeted Fumagillin Nanoparticles for Combined Molecular Imaging and Antiangiogenic Therapy in Atherosclerosis, 1463
- Quantification of Myocardial Perfusion Using Real-Time Three-Dimensional Echocardiographic Imaging , 2391

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- Selection of Contrast Media in Patients with Chronic Renal Insufficiency: Pooled Analysis of Recent Randomized Trials, 2318
- The Effect of Contrast-Induced Nephropathy on Long-Term Mortality After Percutaneous Coronary Interventions: A Prospective Epidemiological Study. 2316
- The Prevention of Radiocontrast-Induced Nephropathy Trial (PRINT): A Prospective, Double-Blind, Randomized, Controlled Trial of Iso-Osmolar Versus Low-Osmolar Radiocontrast in Combination with N-Acetylcysteine Versus Placebo, 1795

## Coronary artery disease

- Effects of Antibiotic Treatment on Outcomes of Patients with Coronary Artery Disease: A Meta-Analysis, 2118
- Preoperative Prediction of Long-Term Survival Following Coronary Artery Bypass Grafting in Patients with Low Left Ventricular Ejection Fraction: The HAVOC Score, 1986
- 150-Microgram Intracoronary Adenosine Bolus Is Mandatory For Accurate Fractional Flow Reserve Measurement In Intermediate Lesions: A Dose-Ranging Study, 1919
- 16-row CT Coronary Angiography in Heart Transplant Patients, 2102 3-Year Follow-Up of TAXUS I: A Randomized, Controlled Study with Polymer-Based Paclitaxel-Eluting Stents for Coronary Artery Lesions,
- A Common Polymorphism in the ABCA1 Gene (G1051A) is Associated with a Lower Prevalence of Coronary Calcification in the Multiethnic Study of Atherosclerosis (MESA), 3801
- A Randomized Comparison of Off-Pump and On-Pump Multiple Arterial Coronary Revascularization, 2922
- A Randomized Double Blind Comparison Of Two Strategies For Managing Patients On Aspirin And Clopidogrel Therapy Requiring Urgent Coronary Revascularization, 1699
- Abnormal Glucose Regulation in Patients with Coronary Artery Disease: Experience from the Euro Heart Survey, 3677
- Aborted Off-Pump Coronary Artery Bypass Patients Have Worse Outcomes Compared With On-Pump and Successful Off-Pump Bypass Patients, 2549
- Accuracy of Noninvasive Monitoring of Coronary Flow Velocity Reserve with Transthoracic Echo-Doppler in Detecting Coronary Restenosis After Successful Coronary Angioplasty: a Multicenter Study, 2404
- Adaptive Arterial Remodeling in Patients Treated With A Stent-Based Ventricle-To-Coronary Artery Bypass (VSTENTTM): 1-Year Follow-Up Data Of The Munich Subset Of The ADVANTAGE Trial, 3271
- Addition of Nanomolar Concentrations of D-4F to Human Plasma In Vitro Causes the Movement of ApoA-I to Smaller Particles, Reduces Lipid Hydroperoxides, Increases Paraoxonase Activity, and Converts Proinflammatory HDL to Anti-inflammatory, 1165
- Adverse Impact Of Multivessel Disease On ST-segment Recovery And Clinical Outcome In Patients Undergoing Primary Percutaneous Coronary Intervention For Acute Myocardial Infarction, 3075
- Adverse Psychological and Coronary Risk Profiles in Young Patients and Benefits of Formal Cardiac Rehabilitation, 3664
- Anaerobic Periodontal Infection, Coronary Heart Disease, and the Acute Coronary Syndrome, 1686
- Angiographic Evaluation of the Quality of Anastomosis in Exclusive Internal Thoracic Artery Myocardial Revascularization for Patients with Triple Vessel Disease, 2209
- Are Patients with Human Immunodeficiency Virus at Higher Risk for Complications Following Cardiac Surgery?, 1688
- Aspirin Resistance Is Associated With Markers of Platelet Activation and Is Not Accounted For By Noncompliance Or Aspirin Underdosing, 1032
- Assessment of Compensatory Remodeling and Plaque Distribution of Coronary Arteries by Multislice Computed Tomography, 2617 Assessment of Coronary Arteries and Detection of Severe Lesions Using
- Assessment of Coronary Arteries and Detection of Severe Lesions Using the Latest Multislice Detector Computed Tomography with 370 msec Gantry Rotation Time, 2105
- Association Between Enhanced Soluble CD40L And Prothrombotic State In Major Depression, 1479
- Association Between Lipoprotein-Associated Phospholipase A2 and Coronary Artery Disease: Focus on its Relationship With Lipoproteins and Markers of Inflammation and Hemostasis, 3577
- Association of Metabolic Risk Factor Burden with Coronary, Aortic, and Aortic Valve Calcium, 3683
- Bare Metal Stent Restenosis is Not a Benign Clinical Entity, 1815 Beneficial Effect of Pre-Operative Aspirin Therapy on Post-Operative Outcomes in Patients Undergoing Coronary Artery Bypass Grafting, 2210
- Both Albuminuria and Framingham Risk Score Predict Cardiovascular Events in Albuminuric Subjects with Intermediate Cardiovascular Risk, 3650

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- Both World Health Organization and National Cholesterol Education Program Definitions of the Metabolic Syndrome Independently Predict Subclinical Atherosclerosis, 3841
- Carvedilol Restores Attenuation of Cardioprotection by Ischemic Preconditioning in the Chronic Ischemic Heart, 505
- Cerebral Injury Following On-Pump and Off-Pump Cardiac Surgery Defined by Functional Magnetic Resonance Imaging, 2550
- Changing Outcomes of Coronary Revascularization in British Columbia, 1995-2001, 3535
- Changing Trends in CABG surgery: Comparison of Three Time Intervals over a 9-year Period, 2548
- Chlamydia pneumoniae in Peripheral Blood Cells is Associated With Multivessel Coronary Artery Disease, 1697 Chronic Inflammation and Ischemic Events in Coronary Artery Disease:
- The Impact of Physical Exercise, 3574
- Cilostazol Reduces Restenosis in Diabetic Patients after Coronary Stent Implantation, 2306
- Circulating B-type Natriuretic Peptide and N-Terminal pro-B-type Natriuretic Peptide as Markers of Long-term Survival in Patients with Stable Coronary Artery Disease, 3263
- Circulating OxLDL-E06 Levels Reflect the Presence and Extent of Angiographic Coronary Artery Disease: Strong Association Between Circulating Oxidized Phospholipids and Lp(a) May Potentially Mediate Atherogenicity, 870
- Clinical and Angiographic Outcomes following Crush Bifurcation Stenting with Drug-Eluting Stents: Low Target Lesion Revascularization Rates but High Rate of Side-Branch Restenosis in the Absence of Kissing Balloon after Dilatation, 3498
- Clopidogrel Administration Prior To CABG: The Cardiologist's Panacea Or The Surgeon's Headache ?, 2930
- Combination Therapy With Gemfibrozil, Niacin, and Cholestyramine Reduces the Prevalence of Metabolic Syndrome Above and Beyond Aggressive Lifestyle Modification and Dietary Restriction, 3785

  Combined Use of 16-Slice Computed Tomography and Adenosine Stress
- MRI for Detecting Hemodynamically Significant Coronary Artery Disease, 2099
- Comparison between Optical Coherent Tomography (OCT) and Integrated Backscatter Intravascular Ultrasound (IB-IVUS) Images for Tissue Characterization of Human Coronary Plaques, 2463
- Comparison of Mapping Criteria for Hemodynamically Tolerated Ventricular Tachycardia in Postinfarction Patients, 2711
- Comparison of Retrospectively ECG-Gated, Multislice Spiral Computed Tomography and Coronary Angiography in the Detectability of In-Stent Restenosis after Left Main or Ostial Coronary Stenting, 2615
- Complete Revascularization Significantly Improves Survival Following Percutaneous Coronary Intervention in Patients with Multivessel
- Constant Fractional Flow Reserve Despite Changes in Coronary Stenosis and Microvascular Resistance After Hemodynamic Provocation, 1921
- Contrast Nephropathy and Visipaque Use in Routine Clinical Practice of Percutaneous Coronary Intervention: Insights from Toronto General Hospital PCI Registry, 2319
- Convergence of Genome-Wide Expression Analysis and Genome-Wide Linkage Analysis Identifies Candidate Genes for Atherosclerosis, 3799 Coronary Artery Bypass Grafting in patients with Low Ejection Fraction , 2926
- Coronary Artery Calcification and Myocardial Perfusion in Asymptomatic Adults: the Multi-Ethnic Study of Atherosclerosis (MESA), 3687
- Coronary Artery Vasodilation by Magnetic Resonance Angiography Is Impaired in Asymptomatic Older Subjects with High Coronary Artery Calcium, 2836
- Coronary Calcifications in Patients with Elevated Levels of Lipoprotein (a),
- Coronary Calcium in Pima Indians with Childhood- and Young Adult-Onset Type 2 Diabetes, 3845
- Coronary Collateral Support Remains Recruitable Following Percutaneous Coronary Intervention, 1918
- Coronary Endothelial Dysfunction Provides Multiple Adverse Prognostic Impacts on Patients With Coronary Artery Disease During Long-Term Follow-up Over 100 Months, 2189
- Correlates of Progression of Coronary Artery Disease in Postmenopausal Women, 3658
- Declining Long-Term Efficacy of Vascular Brachytherapy for In-Stent Restenosis: 5-Year Follow-Up from the Gamma 1 Randomized Trial,
- Depression is a Predictor of Cardiovascular Events after Coronary Artery Bypass Graft, 2202
- Detection of Angiographically Silent Stenoses by Multislice Computed Tomography, 2104
- Detection of Coronary Artery Stenoses using Multidetector CT with 370-ms Rotation and Submillimeter Collimation: a Segment-based Analysis, 2452
- Detection of Coronary Artery Stenoses with Whole Heart Coronary Magnetic Resonance Angiography, 2989

- Detection of Transplant Coronary Disease by Computed Tomography,
- Determinants of 1-Year Mortality in Patients with Stable Angina and First Angiographic Diagnosis of CAD: Results of the STAR Registry, 2916
- Dietary Calclum in Young Adulthood and Subclinical Coronary Atherosclerosis in Middle Age: The CARDIA Study, 3685 Differential Effects of Serine Protease Inhibitors on MMP Release in
- Patients Following Cardiopulmonary Bypass, 1712 Discovery and Replication of a Novel Polymorphism Associated with Coronary Disease Independent of Conventional Risk Factors in Two
- Caucasian Populations, 3802 Does Intensive Statin Therapy Reduce Both Urgent and Elective Coronary Revascularization? Results from PROVE-IT TIMI 22, 3220
- Does Right-Shifting Hemoglobin-Oxygen Dissociation Attenuate Exercise-Induced Ischemia in Patients with Coronary Artery Disease?,
- Does the American Heart Association's Get with the Guidelines Program Improve the Quality of Cardiovascular Care in Hospitalized Patients with Diabetes?, 3699
- Drag-Reducing Polymers Increase Capillary Volume and Improve Coronary Flow Reserve During Coronary Stenosis, 3462
- Drug-Eluting Stents Versus Bare Metal Stents in Patients With Non-ST Elevation Myocardial Infarction: Results From The STENT Registry, 3217 Dual Aldosterone Production in Patients With Left Ventricular Remodeling:
- Analysis of Pericardial Fluid at Open Heart Surgery, 2197 Dynamic Regulation of MTHFR MRNA Expression and C677t Genotype in
- Individuals Submitted to CABG: Evidence for a Role of Homocysteine
- Metabolism after Coronary Surgery, 1703
  ECG-Gated Rubidium-82 Myocardial Perfusion PET Imaging: A Multiexpert
  Comparison With Technetium-99m Sestamibi SPECT, 2841
- Effect of Exercise Training on Myocardial Blood Flow in Patients with Stable Coronary Artery Disease, 2606
- Elevated Levels of High-sensitivity C-reactive Protein Late after Kawasaki Disease: An Association between Inflammation and Late Coronary Sequelae in Kawasaki Disease, 1841
- Elevated Periprocedural Blood Glucose Correlates with Poor Long Term Survival Following Percutaneous Coronary Intervention, 3747 ENDEAVOR I "First in Human" Safety and Efficacy Study - 12-Month
- Clinical, Angiographic, and Intravascular Ultrasound Results, 2623
- Endothelium-derived Nitric Oxide Regulates In Vivo Oxygen Consumption In Postischemic Myocardium, 983
- Ethnic Diversity: Comparison of Outcomes after CABG in South Asian and Caucasian Canadian Population, 1984
- Evidence for Insufficient Anticoagulation during Elective Coronary Stenting with Single, Low-dose Intravenous Enoxaparin, 1823
- Exclusion of Coronary Calcium with Multidetector Row Helical-CT: An Efficient Screening Tool for Exclusion of CAD in Patients with Chest Pain?, 2290
- Feasible and Accurate Assessment of Myocardial Ischemia by Dobutamine Stress Echocardiography with New Real-Time Three-Dimensional: Comparison with Exercise Thallium-201 Single-Photon Emission Computed Tomography, 2220
- Female Gender is an Independent Predictor of Operative Mortality after Coronary Artery Bypass Graft Surgery, 1983
- First Human Experience with Local Delivery of Novel Antisense AVI-4126 with Infiltrator Catheter in De Novo Native and Restenotic Coronary Arteries: Six-Month Clinical and Angiographic Follow-up from AVAIL Study, 3500
- First In-Man Experience of the Biolimus A9 Drug-Eluting Stent (MATRIX-Stent) in Treatment of De Novo Coronary Lesions: Results from the STEALTH-I Trial, 3494
- First-pass Perfusion and Delayed-Enhancement Magnetic Resonance Imaging detect Papillary Muscle Ischemia in Ischemic Mitral Regurgitation, 3392
- Five-year Outcomes after Coronary Stenting versus Bypass Surgery for the Treatment of Multivessel Disease: The Final Analysis of the ARTS Trial,
- Functional Improvement after Transcoronary Transplantation of Circulating Progenitor Cells in Patients with Ischemic Cardiomyopathy Depends On the Age of the Previous Myocardial Infarction, 240 Genetic Influence on Ectatic Coronary Artery Disease, 3729
- Genome Scan for Calcified Atherosclerotic Plaque in the Coronary Arteries: Evidence for Linkage to Chromosomes 4q and 10p from the NHLBI Family Heart Study, 3798
- Genome-wide Scan for HDL-C in Canadian Families with Low HDL-C, 3325
- Grade of Diabetic Retinopathy Has a Powerful Predictive Relevance of In-Stent Restenosis After Percutaneous Coronary Intervention, 2302 High Mortality Associated With Precluded Coronary Artery Bypass Surgery
- Due to Severe Distal Coronary Artery Disease, 2205 High-Dose but not Low-Dose Atorvastatin Improves Endothelial Function
- of Patients with Coronary Artery Disease: Functional Evidence for Pleiotropic Effects of Statins, 376
- High-Normal Serum Creatinine Levels Indicate the Presence of Coronary Calcium, 2286

- Homocysteine: Cardiovascular Risk Predictor or Mirror of Renal Function? Results from the AtheroGene Study, 1346
- Hyperbaric Preoxygenation and Neurocognitive Outcome after Cardiopulmonary Bypass - Results of a Prospective Randomized Double Blind Trial, 3651
- Hypoadiponectinemia in Men is Strongly Associated with Early Onset of Coronary Artery Disease and Multiple Stenoses of Coronary Arteries, 2918
- Imaging Vulnerable Plaques At the Early Stages of Coronary Calcification:
  A Preclincal Correlation of Histology with High-Resolution Micro CT,
  2289
- Immediate and Long-Term Clinical Outcome After Spinal Cord Stimulation for Refractory Stable Angina Pectoris. 2693
- for Refractory Stable Angina Pectoris, 2693
  Immunomodulating Agent Pentoxifylline Reduces the Inflammatory Activity in Patients with High-Risk Non-ST-Segment Elevation Acute Coronary Syndromes. Results of the Randomized, Double-Blind, Placebo-Controlled, Reduction of Cardiac Adverse Events in Acute
- Coronary Syndromes with Pentoxifylline (RECAP) Pilot Trial, 2113 Impact of Adequate Stent Expansion on Angiographic Restenosis with Polymer-Based Paclitaxel-Eluting TAXUS Stents: Post Hoc Analysis from the TAXUS II Study, 2471
- Impact of Cardiovascular Risk Factors on Coronary Calcium Score in Women with an Intermediate Likelihood for Coronary Artery Disease and a Normal SPECT Myocardial Perfusion Scan: Influence of HDL, 2287
- Impact of Diabetes Mellitus on Plaque Characterization by Virtual Histology Intravascular Ultrasound Imaging, 2460
- Impact of Mitral Valve Regurgitation Evaluated by Intraoperative Transesophageal Echocardiography on Long-Term Outcomes After Coronary Artery Bypass Grafting, 1987
- Impact of Off-label Usage on Immediate and Long-term Outcomes in Patients Undergoing Percutaneous Coronary Intervention with Sirolimus-eluting Stents, 2473
- Impact of Regular Physical Activity on the Expression of Angiotensin II
  Receptors and Activity of NAD(P)H Oxidase in the Left Mammary Artery
  of Patients with Coronary Artery Disease, 253
- Impact of Renal Insufficiency on Clinical Outcomes in Patients Undergoing Percutaneous Coronary Interventions with Sirolimus-eluting Stents, 2321 Impact of Routine Anglographic Follow-up on the Clinical Benefits of
- Paclitaxel-Eluting Stents: Results from the TAXUS-IV Trial, 2472 Impact of Treatment of Coronary Artery Disease with Sirolimus-eluting Stents on Outcomes of Diabetic Compared with Non-diabetic Patients, 3007
- Impairment of Bone Marrow-derived Mesenchymal and Hematopoietic Stem Cells in Patients with Coronary Artery Disease: A Limitation for Cell Therapy?, 236
- Importance of Hyperinsulinemia in the Clinical Outcome of Patients Undergoing Percutaneous Coronary Intervention, 3642
- Improved Long-Term Coronary Bypass Results With A New "No Touch" Vein Graft Preparation Technique: Preliminary Results From An Angiographic And IVUS Follow-Up Study, 2929
- Improved Survival after Revascularization in Asymptomatic Diabetic Patients with High-Risk Spect Imaging, 2203
- Improved Vessel Morphology Measurements in Contrast-enhanced Multidetector Spiral Computed Tomography Coronary Angiography Using Edge-preserving Noise Suppression and Deblurring, 3386
- Increase in Ambulatory Pulse Pressure is a Strong Risk of Coronary
  Endothelial Vasomotor Dysfunction Irrespective of Hypertension, 2822
  Increase in Circulating Levels of Adiponectin by Statin and Fibrate in
- Patients With Coronary Artery Disease, 682 Increased Endogenous Reactive Oxygen Species Generation in Endothelial Progenitor Cells of Patients with Coronary Artery Disease Are Associated With Functional Impairment, 205
- Increased Risk of Complications with a Transradial Approach in Coronary Procedures - A Report from the Swedish Coronary Angiography and Angioplasty Registry, 2309
- Inflammatory Gene Polymorphisms and Cardiovascular Risk: A CARE Genetic Substudy, 1694
- Inflammatory Markers CD40L, IL-6, Neopterin, and CRP are Not Influenced by Homocysteine-Lowering Therapy in Patients with Coronary Artery Disease. 1491
- Influence of Adrenergic System Polymorphisms and Nongenetic Factors on Obstructive Coronary Artery Disease (CAD) in Women: Results from the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE), 1885
- Influence of Collateral Flow on Phasic Changes in Myocardial Acoustic Intensity Leads to Underestimation of Stenosis Severity on Myocardial Contrast Echocardiography, 3459
- Influence of Sex and Diabetes Mellitus on Acto-Myosin Crossbridge Kinetics of Human Myocardium, 1287
- Influence of Total Arterial Compliance on Extent of Ischemia during Dobutamine Stress Echocardiography, 2062
- Inhibition of Complement Activation by Pexelizumab Reduces Death and Myocardial Infarction in Cardiac Surgical Patients With Selected Risk Profiles: Results From the International Multi-Center PRIMO-CABG Study. 1985

- Inhibition of Complement Activation by Pexelizumab Reduces Death in Patients Undergoing Combined Aortic Valve Procedure and Coronary Artery Bypass Surgery, 3116
- Interaction of Two Distinct Endothelium-Derived Hyperpolarizing Factors in the Human Coronary Microcirculation, 861
- Interleukin-18 Induces CXCL16 Expression In Aortic Smooth Muscle Cells Via A Novel Signal Transduction Pathway Involving IRAK1-IRAK4-TRAF6/c-Src/Pl3 kinase/Akt//JNK/AP-1, 249
- Intracoronary Optical Coherent Tomography Imaging Is Superior to Intravascular Ultrasound in Diagnosis of Stent Malappositions, 2457 Intracoronary Pressure and Flow Velocity For Clinical Decision Making in
- Patients With Intermediate Coronary Lesions, 1922 Intravascular Ultrasound Analysis from TAXUS VI: First Evaluation of Vascular Response in Long Lesions Treated with Multiple, Overlapping Drug Eluting Stents, 3398
- Intravascular Ultrasound is Superior to Angiography for Assessment of a Left Main Angiographic Stenosis of Less Than 50% to Determine the Need for Revascularization. Observations from The Left Main IVUS Registry, 2461
- Intravascular Ultrasound Radiofrequency Analysis Identifies Plaque Composition Depending on Risk Factors: In Vivo Virtual Histology, 1802 Is Myocardial Contrast Echo Accurate for the Diagnosis of Coronary Artery Disease in Diabetic Patients?, 3320
- Is There a Gender Gap in Nonfatal Cardiac Outcomes For Women
  Discharged Alive From Hospital Following Coronary Artery Bypass Graft
  (CABG) Surgery?, 1982
- LDL Cholesterol is a Predictor of Inadequate Coronary Artery Remodeling in Diabetic Patients: An Intravascular Ultrasound Study, 2861
- Left Ventricular Assist Device Implantation Following Acute Anterior Wall Myocardial Infarction and Cardiogenic Shock: A Two-Center Study, 2932
- Logistic Regression Models Constructed from Multislice Computed Tomography to Identify Prediction Variables for Incidence of Noncalcified Plaques in Coronary Arteries, 2283
- Long- but not Short-Term Multifactorial Intervention Improves Endothelial Dysfunction in Patients With Diabetes Mellitus Type 2 and Coronary Artery Disease, 3665
- Long-term survival for Patients with 3-Vessel Coronary Disease is Better Following CABG than PCI: An Analysis of BARI-Like Patients in Northern New England from 1994–2001, 1979
- Metabolic Syndrome is Strongly and Independently Associated with Incident Coronary Disease Events in Families with Premature Coronary Artery Disease, 3553
- Microvascular Graft Vessel Disease in Children Experience with 130 Patients, 3408
- Midlife Cardiovascular Risk Factors Predict Coronary Calcium In Older Men And Women, Whereas Concurrently Measured Risk Factors Do Not: The AGES Reykjavik Study, 3711
- Mild Renal Dysfunction is a Predictor of Adverse Outcome and Resource Utilization in Patients Undergoing Coronary Surgery, 3273
- Moderate Alcohol Increases t-PA-Mediated Fibrinolysis In Vivo in a Mouse Model, 910

  More Severe Perfusion Defects with Treadmill Exercise Compared to
- Dipyridamole Stress, 3049
  Morphologic Measurements of Ex vivo Coronary Arteries from High
- Morphologic Measurements of Ex vivo Coronary Arteries from High Resolution Volume CT, 2448
- Morphological Features Of Rapid Progressing Coronary Plaques Prospectively Determined By IVUS And 16-Slice CT, 2291
- MR Assessment of Transmural Distribution of Myocardial Blood Flow During Stress is Superior to the Measurement of Subendocardial Flow Reserve in Detecting Significant Coronary Artery Disease, 2991
- Myeloperoxidase, a Novel Marker of Oxidative Stress, is Strongly Associated with Subclinical CAD Measured by Means of Positron Emission Tomography, 2917
- Myocardial Blood Flow at Rest is Impaired in Segments with Severe Coronary Artery Disease: An MR Study of Quantitative Perfusion Assessment, 2834
- Myocardial Viability Testing before CABG Correlation of MRI Scoring and Graft Flow, 3391 Neutrophil Derived S100A12 is Profoundly Upregulated in Early Stage of
- Acute Kawasaki Disease, 1842 Niacin Corrects Endothelial Dysfunction in Patients with Low HDL, without
- Affecting HDL, 161
  Nine-Month Results of the TROPICAL Study: a Multicenter Nonrandomized
- Study of the Cypher sirolimus-eluting Stent in the <u>Treatment of Patients</u>
  With an Instent Restenotic Native <u>Coronary Artery Lesion</u>, 1925
- Noncoronary Findings on Multidetector CT Coronary Anglography, 2453
  Noninvasive Coronary Anglography by Submillimeter Multisilice Computed
  Tomography in Patients with Coronary Bypass: Evaluation of Body and
  Anastomosis of Venous and Arterial Conduits, 2620
- Noninvasive Detection of Severe Stenosis and Total Occlusion in Left Anterior Descending and Right Coronary Artery with Transthoracic Depole February (Ingraphy 3306)
- Doppler Echocardiography , 3306
  Noninvasive Evaluation of 43 Coronary Artery Bypass Grafts Using 16-Row Multislice Computed Tomography with 185 Ms Temporal Resolution,

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Noninvasive Quantitative Assessment of Coronary In-stent Restenosis by 16-slice Computed Tomography, 2622

Observations of a Large \-Animal Model of Diabetic Vascular Disease,

Occurrence of Postoperative Stroke in Patients Undergoing Coronary Bypass Grafting: Statins Are Protective, 2274

Off-Pump Surgical Revascularization In Women: Internal Mammary Artery Use Determines The Degree Of Improved Survival Compared With Conventional On-Pump Revascularization, 3274

On-Pump Coronary Artery Bypass Grafting is Associated with a Lower Mortality Rate among Patients with Multi-Vessel Coronary Artery Disease, 3275

One Year Results of Intravascular Ultrasound Analysis for the ABT-578 Eluting Phosphorylcholine-Coated Stent Implantation in de Novo Coronary Lesions, 3502

Optimal Blood Pressure Control for the Prevention of Atrial Fibrillation, 3546

Optimizing Dosimetry with Gamma Radiation Improves Outcomes for Patients With Diffuse In-stent Restenosis, 1816

Outcomes of Granulocyte Colony-Stimulating Factor Administration to Patients with Severe Coronary Artery Disease , 1681
Paclitaxel In-Stent Controlled Elution Study - The PISCES Study, 1831

Patients with Non-ST-Elevation Acute Coronary Syndromes Have Negative Coronary Artery Remodeling During Late Follow-Up Detected by Magnetic Resonance Imaging, 1618

Patients With Non-ST-Segment Elevation Acute Coronary Syndromes Receive Less Aggressive Discharge Care After Bypass Surgery Versus Percutaneous Coronary Intervention, 1980

Pivotal U.S. Study of the Symbiot™ III Covered Stent System in Patients with Saphenous Vein Graft Disease: 8-month Angiographic and Clinical Results from the Symbiot III Trial, 2308

Plasma Adiponectin Concentrations are Reduced in Patients with Variant Angina and Acute Coronary Syndrome Compared with Those With

Normal Coronary Artery, 1689
Plasma Matrix Metalloproteinase-8 Levels are Associated With the Presence and Severity of Coronary Artery Disease, 3258

Portable Type Signal-Averaged Electrocardiography With Dipyridamole To Detect Patients With Coronary Artery Disease -Retrospective and

Prospective Studies-, 1684
Possible Role of Myeloid Related Protein (MRP) 8 and MRP14 in Progression of Coronary Artery Lesions in Acute Kawasaki Disease,

Prediction of Silent Myocardial Ischemia in Asymptomatic Type 2 Diabetics without prior Coronary Artery Disease: Comparison between Traditional Risk factors, Inflammatory markers, and Coronary Calcium, 3162

Predictive Value of Flow-Mediated Dilation of the Brachial Artery in Patients Referred for Cardiac Rehabilitation: A 5-Year Follow-Up , 2196

Predictors of Major Adverse Cardiac Events at Six Months After Implantation of Sirolimus-Eluting Stents - A Report from the e-Cypher Registry, 2469

Preoperative Statin Treatment is Associated with Reduced Postoperative Complications and Morbidity in Cardiac Surgery Patients: An 8-Year Retrospective Study, 2372

Preoperative Thrombolysis Improves Long-term Survival after Coronary Artery Bypass Grafting, 3266

Preprocedual Statin Administration Reduces Acute Phase Reaction after Stent Implantation, 3265

Presence of Soft Plaques in Nonculprit Coronary Arteries in Patients with Acute Coronary Syndromes: Evaluation by Multislice Computed Tomography, 1614

Preservation of Platelet Responsiveness to Nitroglycerin Despite Development of Vascular Nitrate Tolerance, 3261

Prevention of Experimental Coronary Artery Thrombosis by the Novel Von Willebrand Factor Antagonist GPG-290, 710

Prognostic Value of Coronary Calcifications for Future Cardiovascular Events in Asymptomatic Patients, 2288 Prognostic Value Of Preoperative Cardiac Troponin I For Patients

Undergoing Elective Coronary Artery Bypass Surgery, 2208

Proteomic Discovery of Coronary Artery Disease Proteins Using Industrial Scale Analysis of Pooled Plasma: Results from the Pooled Plasma Proteomics Project, 1011

Psychological Distress and the Development of Atrial Fibrillation, 1964 Quantitative Angiographic Assessment of Coronary Blood Flow in Patients with Metabolic Syndrome and Diabetes with Normal or Near-Normal Coronary Arteries, 1876

Quantitative Measurement of Coronary Artery Stenosis Severity Improves the Diagnostic Accuracy of Multidetector Row CT but Not that of MR Angiography, 2107

Randomized Drug-eluting Stent Comparision: Rapamycin versus Paclitaxel in Coronary Lesions Prone to Restenosis, 2625

Randomized Trial of Low-, Medium-Dose Aspirin and Clopidogrel on Platelet Aggregation after Cardiac Surgery, 1692

Real-Life Impact of Sirolimus-Eluting Stent Implantation in Treating Diabetic Patients: A 6-Month Follow-up Report From the International e-CYPHER Registry, 3006

Regional Variations and Other Differences in Distribution and Outcomes in Use of Ad Hoc PCIs, 3513

Relation between Stent Area, Length, and 8-Month Neointimal Hyperplasia after Sirolimus-eluting Stent Implantation in Small Coronary Arteries, 3399

Reliable Visualization of the Whole Coronary Arterial Tree in a Single 3D Volume for Advanced Coronary MRA, 3393

Remodeling in Patients with Left Ventricular Dysfunction after Coronary Artery Bypass Graft Surgery, 2216

Remote Control Percutaneous Coronary Interventions: First in Man Pilot Clinical Trial, 2075

Resistance to Flow of Arterial Y-grafts 6 Months after Coronary Bypass Surgery, 2214

Restenosis after Rapamycin-eluting Stents for the Treatment of Bifurcated Coronary Lesions, 3501

Resting 12-Lead Electrocardiogram Predicts Presence and Extent of Coronary Calcification Cross-Sectionally and Prospectively, 3712

Resting Magnetocardiographic Imaging Accurately Detects Myocardial Ischemia in Chest Pain Patients With Normal or Nonspecific ECG Findings, 3440

Risk Assessment and Risk Reduction by Perinodopril in Patients with Stable Coronary Artery Disease, 2540

Risk-adjusted Short- and Long-term Outcomes for On- versus Off-Pump Coronary Artery Bypass Surgery, 2732

Safety and Efficacy of Aprotinin in Off-Pump Coronary Artery Bypass Grafting (OPCAB): A Double-Blind, Placebo-Controlled Randomized Trial, 2546

Sensitivity of Dipyridamole CMR for the Assessment of Intermediate Severity Coronary Artery Stenosis, 2833 Sequential Coronary Flow Velocity Measurement by Incremental

Intracoronary Injection of Acetylcholine (ACh) Followed by Intravenous Adenosine Triphosphate (ATP) Infusion has a Significant Diagnostic Value for Patients with Rest Angina and Normal Coronary Angiograms, 2195

Serum Levels of Advanced Glycation End Products are Associated with In-Stent Restenosis in Diabetic Patients, 2303

Short-Term Statin Therapy, but Not Lipid-Lowering with Ezetimibe, Improves Endothelial Function in Patients with CAD: Clinical Evidence for the Relevance of Pleiotropic Effects of Statins, 374

Sirolimus-Coated Stents Induce a Weaker Inflammatory Response Than Bare-Metal Stents, 2872

Sirolimus-Eluting Stent and Unprotected Left Main Stenosis: The Multicenter e-Cypher Registry, 3011

Sirolimus-Eluting Stents For Failed Brachytherapy: Updated Results From The SECURE Registry, 1924

Six Month Follow-up Intravascular Ultrasound Study after Rapamycin-eluting Stent for the Treatment of Bifurcated Coronary Lesions, 2459

Sixteen-Slice Computed Tomography Allows Non-Invasive Follow-Up After Left Main Coronary Stenting, 3388

Skin-Derived Micro-Tissue Autotransplantation as a Novel Approach for Therapeutic Angiogenesis, 1294

Small LDL IVb Predicts Mortality Independent of Other Lipoprotein Measurements, 3782

Small Vessel and Diffuse Coronary Narrowing Developed in Patients with Impaired Glucose Tolerance: A New Parameter for the Assessment of Entire Coronary Trees, 3750

Stent Thrombosis and the Paclitaxel-Eluting Stent: A Meta-Analysis, 3182 Superiority of Transthoracic 3D Dobutamine Stress Echocardiography for the Assessment of Ischemia; a Comparative Study with Simultaneous Conventional 2D Dobutamine Stress Echocardiography, Thallium SPECT, and Quantitative Coronary Angiography, 2403

Suppression of Neointimal Formation in a Canine Model of Vein Graft Disease by Anti-Monocyte Chemoattractant Protein-1 Gene Therapy,

Survival Benefit of Exclusive Use of In Situ Arterial Conduits over Combined Use of Arterial and Vein Grafts for Multiple Coronary Artery Bypass Grafting, 2928

Survival of Dialysis Patients in the United States after Percutaneous versus Surgical Coronary Revascularization: Is Surgery Still Better?, 2324

Sustained Ventricular Arrhythmia During Percutaneous Coronary Intervention is Associated With an Increased Risk of In-Hospital and Long-term Mortality., 2355

Systemic Inflammation and Glycemic Control as the Amplifying Factors for Aspirin-Resistant Thromboxane Biosynthesis in Patients with Coronary Artery Disease, 1485

TAXUS II Paclitaxel-Eluting Stent Trial: 2 Year Intravascular Ultrasound Substudy, 2466

Temporal Onset and Risk Factors for Postoperative Neurologic Complications after Coronary Artery Bypass Grafting, 2551

The Adaptive Immune System and Long-Term Outcome in Patients with Stable Coronary Artery Disease: Predictive Value of Routine Laboratory Measurements, 3257

- The Comparative Survival of Dialysis Patients in the United States after "Off-Pump" and "On-Pump" Coronary Artery Bypass Surgery, 2218
- The Effect Of Clopidogrel Premedication In Off-Pump Cardiac Surgery: Are We Forfeiting Reduced Hemorrhagic Seguelae ?, 2545
- We Forfeiting Reduced Hemorrhagic Sequelae ?, 2545
  The Impact of Diabetic Retinopathy on Cardiac Outcome Following
  Coronary Artery Bypass Graft Surgery (CABG): A Prospective Study,
  2200
- The Interaction of Vascular Inflammation and Renal Dysfunction for the Prediction of Long-term Death following PCI, 2320
- The Prognostic Value of Exercise Capacity in Women: Nomogram for the Female Population, 2610
- The Real World Utilization and Results of Off-Pump Coronary Artery Bypass Surgery (OPCAB) in a Public Healthcare System, 3272
- The Reduction of Vascular Extracellular Superoxide Dismutase is Associated With Coronary Artery Atherosclerosis, 1360
- The Safety of Percutaneous Coronary Interventions Prior to Noncardiac Surgery, 1825
- Thrombosis after Drug-eluting versus Bare-metal Stent Implantation: A Meta-analysis from 10 Randomized Trials Including 5030 Patients, 3181
- Time Course of Neointimal Hyperplasia Growth in de Novo Human Coronary Lesions Treated with the ABT-578 Eluting Phosphorylcholine-Coated Stent Implantation, 1804
- Transcoronary Transplantation of Progenitor Cells and Recovery of Left Ventricular Function in Patients with Chronic Ischemic Heart Disease: Results of a Randomized, Controlled Trial, 1142
- Transplantation of Blood-Derived Progenitor Cells after Recanalization of Chronic Coronary Artery Occlusions: Impact on Coronary Vasomotion and Left Ventricular Remodeling, 1562
- Trapidil-Coated Drug-Eluting Stents Reduce Neointimal Hyperplasia at 28 Days in a Porcine Model of Coronary Restenosis, 3496
- Trimetazidine Improves Left Ventricular Systolic Function in Ischemic Cardiomyopathy: Prognostic Significance, 3051
- Troponin T is a Marker for Long-term Mortality in Systematic OPCAB Surgery, 2547
- Ulcerated Ruptured Plaques Are Not Uncommon in Saphenous Vein Grafts: Insight from Intravascular Ultrasound, 1806
- Ultrasound-Mediated Delivery of TIMP-3 Plasmid DNA Into Saphenous Vein Leads to Increased Lumen Size in a Porcine Interposition Graft Model. 770
- Unprotected Left Main Coronary Artery Revascularization With Sirolimus-Eluting Stents Is Feasible But Limited By Branch Restenosis, 3401
- Urinary 8-Hydroxy-2'-Deoxyguanosine to Urinary Creatinine Ratio is Correlated with Severity of Cardiac Function in Patients with Old Myocardial Infarction, 3256
- Variability in Platelet Responsiveness to Clopidogrel among 544 Individuals . 2521

# Coronary circulation

- 150-Microgram Intracoronary Adenosine Bolus Is Mandatory For Accurate Fractional Flow Reserve Measurement In Intermediate Lesions: A Dose-Ranging Study, 1919
- Altered Coronary Hemodynamics and Enhanced Myocardial Fibrosis are Associated with Biventricular Dysfunction in Salt-Loaded SHR, 950
- Angiotensin-Converting Enzyme Inhibitor Improves Coronary Flow Reserve with a Decrease in Serum Asymmetric Dimethylarginine in Type 2 Diabetes Mellitus: Relevance to Oxidative Stress, 1998
- Augmentation of Coronary Flow Reserve in Patients with Type 2 Diabetes Mellitus: Comparison Between Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker, 2002
- C-reactive Protein Impairs Endothelium-dependent Nitric Oxide-mediated Dilation of Coronary Arterioles via p38 Kinase and NADPH Oxidase Activation, 339
- Compression Induced by RV Pressure Overload Causes Regional LV Ischemia in Anesthetized Dogs, 2965
- Correlation of Coronary Sinus Blood Temperature With Markers of Inflammation in Patients With Coronary Artery Disease, 3259
- Drag-Reducing Polymers Increase Capillary Volume and Improve Coronary Flow Reserve During Coronary Stenosis, 3462
- Endothelial C-type Natriuretic Peptide Regulates Coronary Blood Flow and Prevents Ischemia-Reperfusion Injury, 361
- Endurance Exercise Training Improves Endothelial Function in Older Individuals, 2605
- Everolimus And Sirolimus Are Identical For Preventing Intimal Thickening
  Over The Range Of Vascular Injury, 1810
- Extra-Aortic Balloon Counterpulsation: An Intraoperative Feasibility Study, 3291
- Favorable Effects of All-trans Retinoic Acid on Coronary Artery Endothelial Dysfunction in Chronic Renal Failure, 1162
- Hyperleptinemia Induces Significant Coronary Endothelial Dysfunction, 863 Increase in Ambulatory Pulse Pressure is a Strong Risk of Coronary
- Endothelial Vasomotor Dysfunction Irrespective of Hypertension, 2822 Increased Aortic Stiffness with High Pulse Pressure Reduces Coronary Flow Reserve Independent of Vascular Endothelial Function, 3380

Increases in Resting Flow and Angiographic Collateral Scores Are
Unreliable Indices of Angiogenisis in Swine with Collateral-dependent
Hibernating Myocardium, 868

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- Influence of Thrombolysis In Myocardial Infarction Grades before Percutaneous Coronary Intervention in Microvascular Injury, 3504
- Interaction of Two Distinct Endothelium-Derived Hyperpolarizing Factors in the Human Coronary Microcirculation, 861
- Intracoronary Continuous Adenosine Infusion: A Novel and Effective Way of Inducing Maximal Hyperemia for Fractional Flow Reserve Measurements, 1920
- Intracoronary Pressure and Flow Velocity For Clinical Decision Making in Patients With Intermediate Coronary Lesions, 1922
- Intracoronary Ultrasound Assessment Late after the Arterial Switch Operation for Transposition of the Great Arteries, 3195
- Leptin Receptors are Expressed in Coronary Endothelium and Leptin Stimulates Nitric Oxide-Dependent Coronary Arteriolar Dilation, 1161
- Measurement of Myocardial Free Radical Production During Exercise Using EPR Spectroscopy, 340
- Mechanisms of Coronary Metabolic Dilation: Role of Reactive Oxygen Species, 337
- Nitric Oxide-Mediated Endothelial Dysfunction with Increase in Superoxide Production is Compensated by EDHF in Spontaneously Hypertensive Rats, 865
- Nonuniform Workload and Remodeling of the Left Ventricle, Induced by Left Bundle Branch Block, is Reversed by Biventricular Pacing, 2269
- Pravastatin Improves Function, Increases Myocardial CD133<sup>+</sup> Progenitor Cells and Stimulates Myocytes to Re-Enter the Cell Cycle in Hibernating Myocardium, 2188
- Quantitative Angiographic Assessment of Coronary Blood Flow in Patients with Metabolic Syndrome and Diabetes with Normal or Near-Normal Coronary Arteries, 1876
- Reduction of Circulating Nitrite to Nitric Oxide Across the Human Heart: a Novel Mechanism for Regulating Coronary Vascular Resistance, 859 Role of Coronary Flow Reserve with Contrast-Enhanced Dobutamine
- Role of Coronary Flow Reserve with Contrast-Enhanced Dobutamine Stress Echocardiography in Predicting Outcome in Patients with Known or Suspected Coronary Artery Disease, 2728
- Role of Intermediate Conductance Calcium-activated Potassium Channels in Functional and Morphological Remodeling of Atherosclerosis, 595
- Role of Toll-Like Receptor 2 and Toll-Like Receptor 4 in Postischemic Coronary Endothelial Dysfunction in Mice, 157
- Selective Gene Silencing of Dimethylarginine Dimethylaminohydrolase 1 Attenuates Vascular Endothelial Cell Function, 854
- Slowing Minute Ventilation by Increasing the Compression-To-Ventilation Ratio from 15:2 to 15:1 Decreases Intrathoracic and Intracranial Pressures and Increases Vital Organ Perfusion Pressures and End-Tidal CO<sub>2</sub> in Pigs in Cardiac Arrest, 1953
- Src And Pl3-Kinase Play A Role in Flow-Induced Dilation Of Coronary Arterioles, 343
- Successful Electrical Cardioversion of Atrial Fibrillation Increases Coronary Artery Flow, 2227
- Unprotected Left Main Coronary Artery Revascularization With Sirolimus-Eluting Stents Is Feasible But Limited By Branch Restenosis, 3401

# Coronary heart disease

- "Warranty Time" of a Normal Stress Echocardiogram in Patients With History of Myocardial Infarction, 2913
- α-Linolenic Acid Intake and Risk of Sudden Cardiac Death and Fatal CHD among Women, 3604
- A Cohort Study of Alcohol Intake and Risk of Heart Failure, 3608
- A Comparison of Lipid Variables as Predictors of Coronary Death: Findings from an Individual Participant Meta-Analysis of 22 Cohort Studies, 3784
- A Novel Bioengineered Small Caliber Vascular Graft Incorporating Sirolimus, 3482
- A Prospective Study of Soluble TNF-  $\alpha$  Receptor 2 (Stnf-RII) and Risk of Coronary Heart Disease among Women with Type 2 Diabetes, 3576
- Acute Coronary Syndrome is Associated with Poorer Outcomes in Women Undergoing Percutaneous Coronary Intervention than in Men: Observations from the NHLBI Dynamic Registry, 1936
- Adiponectin and Future Coronary Heart Disease Events Among Men With Type 2 Diabetes mellitus, 3847
- Adrenomedullin as a Sensitive Marker for Coronary and Peripheral Arterial Complications in Patients with Atherosclerotic Risk, 1700
- Are Improvements in Cardiovascular Care Associated with the American Heart Association's Get With The Guidelines Program Sustained Over Time? 3618
- Are Traditional Cardiovascular Risk Scores Useful for Women with Suspected Myocardial Ischemia? A Report from the Women's Ischemia Syndrome Evaluation, 3620
- Association of the Metabolic Syndrome With Worse Outcome of Patients
  With Stable Coronary Disease in MASS II Trial, 2212
- Atherogenic HDL, VLDL Particle Sizes in Asian Indian Females Compared to Framingham Offspring Study Population, Assessed by Nuclear Magnetic Resonance Spectroscopy, 3738

- B-type Natriuretic Peptide is an Independent Predictor of the Extent of Coronary Artery Disease, 1701
- Comparison of Bone Marrow Mobilization with Bone Marrow-Derived Mononuclear Cell Transplantation for the Therapy of Myocardial Infarction in Rabbits, 1197
- Competitive Flow Compromises Radial Artery Graft Patency: Analysis of Angiographic Data from a Randomized Controlled Clinical Trial, 2923 Conjugated Equine Estrogens-Alone and the Risk of Coronary Heart
- Disease: Results of the Women's Health Initiative Clinical Trial, 3662 Coronary Risk Factors and Myocardial Perfusion in Asymptomatic Adults:
- the Multi-Ethnic Study of Atherosclerosis (MESA), 3710 Correlation of Coronary Sinus Blood Temperature With Markers of Inflammation in Patients With Coronary Artery Disease, 3259 Correlation of Electron Beam Computed Tomography With Stress
- Single-Photon Emission Computed Tomography, 3163
  Cost-Effectiveness of the TAXUS™ Paclitaxel-Eluting Coronary Stent System vs. Bare Stent Implantation in Patients without Routine
- Angiographic Follow-up: The TAXUS-IV Trial, 3811 Do Healthy Women Experience Prodromal Symptoms Similar To Women
- With Coronary Heart Disease?, 3077 Dobutamine Stress Magnetic Resonance Imaging: A Multicenter Trial for the Assessment of Diagnostic Performance and Reader Variability, 3489 Does Get With The Guidelines - Coronary Atery Disease Reduce
- Treatment Disparities Among Different Racial and Ethnic Groups?, 3700 Does the Use of Embolic Protection Devices (EPD) Improve Clinical Outcomes In Saphenous Vein Graft (SVG) Percutaneous Coronary
- Intervention (PCI)? A Report from the National Cardiovascular Data Registry (ACC-NCDR), 2314
- Effect of Chronic Kidney Disease on Long-Term Survival of Patients with Congestive Heart Failure and Coronary Artery Disease, 3466
- Endothelial Nitric Oxide Synthase (eNOS) Glu298Asp Polymorphism Association with Coronary Heart Disease Risk is Modified by Smoking: The Atherosclerosis Risk in Communities Study, 3800
- Extra-Aortic Balloon Counterpulsation: An Intraoperative Feasibility Study, 3291
- Fetal Aortic Valve Stenosis and the Evolution of Hypoplastic Left Heart Syndrome: Patient Selection for Fetal Intervention, 3192
- High-Risk Patients Refused for Cardiac Surgery: Low 1-Year Mortality after Subsequent Treatment with Percutanous Coronary Intervention, 2206
- Higher Coronary Calcium Scores Identify Greater Likelihood of Myocardial Ischemia in Patients with Metabolic Syndrome, 3164 Hyperdynamic Response to  $\beta$ -adrenergic Stimulation in Patients with
- Angina-Like Chest Pain and Normal Coronary Arteries, 2402 Impact of Arterial Conduits to the Territory of RCA and Cx with LITA-LAD
- Impact Of Glutathione Peroxidase 1 Activity On Cardiovascular Prognosis Of Patients With Atherosclerosis, 3649
- Impact of Sirolimus Drug-eluting Stent on Outcome of Patients Treated for Acute Myocardial Infarction with Primary Angioplasty, 3067 In Vivo Imaging of Coronary and Pulmonary Thrombosis by EP-2104R, a
- Fibrin-Targeted Magnetic Resonance Contrast Agent, 3180
- International Patterns of Referral to Revascularization Early after Pharmacologic Stress SPECT: Results from a Prospective Multicenter Registry Trial, 3167
- Interplay between Intermediate-chain n-3, Long-chain n-3, and n-6 Polyunsaturated Fatty Acids and Risk of Coronary Heart Disease in
- Intramyocardial Injection of Fibroblast Growth Factor-1 for Treatment of Refractory Angina Pectoris: The Initial US Experience, 1874 Lipoprotein-Associated Phospholipase A2 is Highly Expressed in
- Macrophages of Coronary Lesions Prone to Rupture, 1183 Long-Term Survival after OPCAB or CCAB: Findings in Northern New
- England, 3536 Metabolic Syndrome Patients Have Higher Plasma Lipid Hydroperoxides
- and More Pro-Inflammatory HDL than Dyslipidemic Control Subjects, Even with Comparable Levels of HDL, hs-CRP and Paraoxonase Activity, 245
- Metabolic Syndrome, its Preeminent Clusters, and the Increased Risk of Incident Coronary Heart Disease, 3843
- Multislice CT Angiography of Coronary Arteries: Ready to Act as a Noninvasive Filter before Catheter Angiography in Clinical Practice?,
- Myocardial Contrast Echocardiography is a Powerful Long-term (up to 6 Years) Predictor for Cardiac Events in Patients With Known or
- Suspected Coronary Artery Disease, 3456
  Myocardial Ischemia/Reperfusion Impairs the Ubiquitin-Proteasome System: Role of Reactive Oxygen Species, 1138
- N-Terminal Pro Brain Natriuretic Peptide Predicts Long-Term Mortality In Stable Coronary Heart Disease, 1950
- National Estimates of Outpatient Cardiovascular Medication Use in Aged Medicare Beneficiaries, 3814
- Nitric Oxide Modulates the Inflammatory Response to Extracorporeal Circulation of Blood through Activation of NFkB, 1709 Novel ELISA for Apo B-48 revealed Chylomicron Remnants (CR) are
- Accumulated in the Serum of Diabetic Patients, Predisposing Them to

- Coronary Heart Disease (CHD), 873
- One-Year Cost Analysis Of Off-Pump CABG Versus On-Pump CABG: The Canadian Off-Pump Registry, 3807
- Opposing Effects between Short-term Combined Transdermal Estradiol/noretisterone and Oral Raloxifene Treatment upon C-Reactive Protein and Antibodies against oxidized LDL (oxLDL) and heat shock proteins (hsp), 1500
- Oxidized LDL as a Risk factor for Coronary Heart Disease among US Men and Women, 3582
- PAI-1 is a Determinant of Coronary Vasomotor Function in Insulin Resistance, 1475
- Palm-held Digital Assistants and Periodic Physician Feedback Demonstrate No Incremental Value in Achieving LDL-cholesterol Goals,
- Palpography in the IBIS Trial: The Assessment of Mechanical Properties of Coronary Atheroma in 85 Patients, 1803
- Plasma concentration of Matrix Metalloproteinase 9 and prognosis of patients with atherosclerosis in multiple vascular regions, 3713
- Polymorphisms in Matrix Metalloproteinases Predict the Ability of Statins to Reduce Death or MI, 2009
- Preoperative Statin Treatment is Associated with Reduced Postoperative Complications and Morbidity in Cardiac Surgery Patients: An 8-Year Retrospective Study, 2372
- Prevention Of Cardiovascular Events By Perindopril In Patients With Stable Coronary Disease Does Not Depend On Blood Pressure And Its Reduction - Results From The EUROPA Study, 2919
- Prognostic Value of Combination of Cardiac Troponin T and B-Type Natriuretic Peptide in Outpatients on Chronic Hemodialysis: 5-Year Outcome Analysis, 2193
- Recipient and Donor Age Affect the Development of Coronary Arteriopathy After Pediatric Cardiac Transplantation: An Intravascular Ultrasound Study, 2082
- Relations of C-Reactive Protein to Inflammatory Conditions in Men and Women: Implications for Cardiovascular Disease Risk Prediction, 3761
- Risk Assessed by Framingham and Myocardial Perfusion Measured by MRI Selects Patients for Coronary Artery Angiography: The NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE) Study, 2536
- Role of Heart Rate Reserve in Risk Stratification of Patients With Known or Suspected CAD Undergoing Stress Echocardiography, 2294
- Sirolimus-Eluting Stents For Failed Brachytherapy: Updated Results From The SECURE Registry, 1924
- Soy Protein Supplementation Decreases Serum Lipids: A Meta-Analysis of Randomized Controlled Trials, 3563
- Suboptimal Glycemic Control is Associated with Increased Risk of Ventricular Arrhythmias, 3240
- The Effect of Contrast-Induced Nephropathy on Long-Term Mortality After Percutaneous Coronary Interventions: A Prospective Epidemiological Study, 2316
- The Efficacy of Statin Therapy on Long-Term Outcomes Following Percutaneous Coronary Intervention, 2317
- The Hepatic Lipase Promoter Polymorphism Modifies the Relation Between Dietary Starch and Coronary Heart Disease, 3805 The Loss Of Ischemic Preconditioning (PC) In The Senescent Heart Is
- Associated With Impaired Activation Of Endothelial NOS (eNOS) And Is Restored By Administration Of NO Donor, 502
- The Need for More Efficient Use of IC Capacity: Is Short-Stay Intensive Care for CABG Patients the Solution?, 3808
- The Prevalence of Side Effects with Daily Low-Dose (81 mg) Preventive Aspirin Use, 3084
- Troponin Elevation Following Percutaneous Coronary Intervention Directly Represents the Extent of Irreversible Myocardial Injury: Insights from Cardiovascular Magnetic Resonance Imaging , 2837
- Unprotected Left Main Coronary Artery Revascularization With Sirolimus-Eluting Stents Is Feasible But Limited By Branch Restenosis,

# Coronary microcirculation

- Acute Hyperglycemia Impairs K<sub>ATP</sub> Channel-Mediated Coronary Microvascular Responses, 596
- Agonism at Endothelial β3 Adrenoceptors Mediates the NO-Dependent Proangiogenic and Vasodilatory Effect of the Third-Generation β-Blocker Nebivolol, 670
- Aldosterone Causes Vasoconstriction of Coronary Arterioles Isolated from Spontaneously Hypertensive Rats and Angiotensin II Type 1 Receptor
- Blocker Inhibits it via Suppression of Oxidative Stress, 862 Altered Coronary Microvascular Function and Peripheral Endothelial Dysfunction in Young Patients with Systemic Lupus Erythematosus,
- Aspirin Resistance is Associated with Impaired Coronary Flow Reserve in Patients Undergoing Elective Percutaneous Coronary Intervention , 2858 Attenuation of Myogenic Tone by Myocardium-Derived Vasomotor Factor
- during Resting Condition and Metabolic Stimulated State: Role of the ATP-Sensitive Potassium Channels, 336

- Beneficial Cardioprotective Effects of Hydroxyfasudil, a Specific Rho-Kinase Inhibitor, on Ischemia-Repertusion Injury in Canine Coronary Microcirculation in Vivo, 1160
- Cardioprotective Role of Hydrogen Peroxide, an Endogenous EDHF, on Ischemia-Reperfusion Injury in Canine Coronary Microcirculation in Vivo, 359
- Cellular Origin of EDHF (H<sub>2</sub>O<sub>2</sub>) Released from Human Coronary Arterioles in Response to Shear Stress, 355
- Connected Pericytes: The "Internet" of the Coronary Microcirculation?, 674
  Constant Fractional Flow Reserve Despite Changes in Coronary Stenosis
  and Microvascular Resistance After Hemodynamic Provocation, 1921

Coronary Collateral Support Remains Recruitable Following Percutaneous Coronary Intervention, 1918

- Coronary Flow Reserve by Contrast-Enhanced Transthoracic Echocardiography: a New Noninvasive Predictor of Cardiac Allograft Vasculopathy, 2720
- Coronary Microcirculation is Abnormal in First Degree Relatives of Patients with Type 2 Diabetes Mellitus, 3636
- Correlation Between Angiographic TIMI Myocardial Perfusion Grade and Coronary Flow Velocity Patterns in AMI Patients with TIMI Grade 3 Flow, 3505
- Coupling Factor 6 Induces Vasoconstriction of Coronary Arterioles in Hypertensive Rats via a Suppression of Cytochrome P-450 Metabolites, 357
- Drag-Reducing Polymers Increase Capillary Volume and Improve Coronary Flow Reserve During Coronary Stenosis, 3462
- Effect of Exercise Training on Myocardial Blood Flow in Patients with Stable Coronary Artery Disease, 2606
- Estrogen Rectpor-α Is More Actively Involved in the Cardiac Vascular Endothelial Growth Factor/KDR/Nitric Oxide Pathway and Coronary Anglogenesis Compare to Estrogen Receptor-β in Female Mice, 1159
- Extracorporeal Cardiac Shock Wave Therapy Ameliorates Myocardial Ischemia in Patients with Severe Coronary Artery Disease, 2190 Hydrogen Peroxide is a Coronary Vasodilator Linking Myocardial
- Metabolism to Coronary Vasodilator Linking Myocardial Metabolism to Coronary Blood Flow, 335 Impact of Myocardial Repertusion on QT Dispersion in Successfully
- Recanalized Patients with Acute Myocardial Infarction, 1622 Impaired NO-Mediated Coronary Microvascular Vasodilation of Right Ventricle with Increased Superoxide in Monocrotaline-Induced
- Pulmonary Hypertensive Rats, 867 Inactivation of JAM-A Gene Increases Neutrophil Entrapment in the Heart Microcirculation, Aggravating No-Reflow Phenomenon and Reperfusion Injury in Mice. 1155
- Infarct Transmurality Predicts Microvascular Obstruction Better Than Infarct Size In Patients With Acute Myocardial Infarction, 2839
- Influence of Thrombolysis In Myocardial Infarction Grades before Percutaneous Coronary Intervention in Microvascular Injury, 3504 Integration Of ST-segment Recovery And Myocardial Blush For Prediction
- Integration Of ST-segment Recovery And Myocardial Blush For Prediction Of Survival After Primary Percutaneous Coronary Intervention In Acute Myocardial Infarction, 1934
- Interaction of Two Distinct Endothelium-Derived Hyperpolarizing Factors in the Human Coronary Microcirculation, 861
- Is Myocardial Contrast Echo Accurate for the Diagnosis of Coronary Artery Disease in Diabetic Patients?, 3320
- L-Arginine Supplementation Improves the Inhibited Angiogenic Response to FGF in a Porcine Model of Myocardial Ischemia with Endothelial Dysfunction, 1888
- Length Of Ischemia Is A Major Determinant Of Microvascular Obstruction. A Study Performed With Contrast Enhanced Magnetic Resonance After Primary Angioplasty, 2992
- Long-Term Treatment With Thiazolidinedione Improves Vasomotion of Resistance Coronary Arteries Independent of Improvements in Clinical Insulin-Resistant Status, 860
- Mechanisms of Coronary Metabolic Dilation: Role of Reactive Oxygen Species, 337
- Microvascular Graft Vessel Disease in Children Experience with 130 Patients, 3408
- Molecular Indices of Apoptosis after Intermittent Blood and Crystalloid Cardioplegia, 3483
- Monocyte Chernoattractant Protein 1 (MCP-1) Polymorphism And Susceptibility For Coronary Collaterals, 905
- Preprocedural Statin Medication Improves Long-Term Survival in Patients With Stenting-Related Myocardial Injury, 1824
- Prevention of Slow and No Flow during Rotational Atherectomy by Continuous Intracoronary Infusion of K+ Channel Opener Nicorandil: Prospective Randomized Trial Comparing Nicorandil with Verapamil, 2315.
- Propionyl-L-carnitine Improves Hemodynamics and Cardiac Microvascular Perfusion During Coronary Operation in Diabetic Patients, 1705
- Quercetin-glucuronide (QG) Prevents Microcirculatory Complications Acutely Caused by Simultaneously Activated PMN and Platelets (P) in the Human Heart, 599
- Reduced Coronary and Myocardial Flow In Severe Aortic Stenosis Is Associated With Increased Myocardial Apoptosis, 3445

- Role of Focal Adhesion Kinase in Flow-induced Dilation of Coronary Arterioles, 9
- Sequential Coronary Flow Velocity Measurement by Incremental Intracoronary Injection of Acetylcholine (ACh) Followed by Intravenous Adenosine Triphosphate (ATP) Infusion has a Significant Diagnostic Value for Patients with Rest Angina and Normal Coronary Angiograms, 2195

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Surv

- Skin-Derived Micro-Tissue Autotransplantation as a Novel Approach for Therapeutic Angiogenesis, 1294
- Sulfaphenazole, an Inhibitor of Cytochrome 2C9, Ameliorates Impaired NO-mediated Coronary Vasodilation in Spontaneously Hypertensive Rats: Direct In Vivo Visualization of Beating Rat Hearts, 342
- Superoxide Impairs cAMP-Mediated Dilation by Reducing K, Channel Function in Rat Small Coronary Arteries from Diabetic Rats, 866
- The Additional Prognostic Value of Coronary Flow Reserve on Left Anterior Descending Artery in Patients With Negative Stress Echo by Wall Motion Criteria: A Transthoracic Vasodilator Stress Echo Study, 2397
- The Effect of Distal Protection Device on the Protection of Microvascular Integrity During Primary Stenting in AMI Without Glycoprotein Ilb/Illa Inhibition, 3510
- The Most Important Determinant of the Coronary Zero-Flow Pressure is the Left Ventricular End-Diastolic Pressure, 1807
- The Prognostic Meaning of Coronary Flow Reserve Assessed by Doppler Echocardiography in Nonischemic Dilated Cardiomyopathy, 2396
- Transthoracic Doppler Echocardiographic Assessment of Left Anterior Descending Artery and Intramyocardial Artery Predict Left Ventricular Remodeling Following Acute Myocardial Infarction, 2658
- Vasa Vasorum Density Inversely Correlates with NF-xB Activation and Intima/Media Ratio in Hypercholesterolemic Porcine Coronary Arteries, 864
- Ventricular Tachycardia in Patients with Dilated Cardiomyopathy is Related to Coronary Microvascular Dysfunction, 2241

## Coronary vasospasm

- Impaired Sympathetic Nerve Function May Play an Important Role in Enhancing Coronary Vasoconstriction in Patients with Hypertrophic Cardiomyopathy, 2796
- Obstructive Sleep Apnea is a Strong Risk Factor for Vasospastic Angina, 2726
- Plasma Adiponectin Concentrations are Reduced in Patients with Variant Angina and Acute Coronary Syndrome Compared with Those With Normal Coronary Artery, 1689
- Sequential Coronary Flow Velocity Measurement by Incremental Intracoronary Injection of Acetylcholine (ACh) Followed by Intravenous Adenosine Triphosphate (ATP) Infusion has a Significant Diagnostic Value for Patients with Rest Angina and Normal Coronary Angiograms, 2195
- Sustained Elevation of Serum Level of Cortisol Induces Hyperconstriction of Porcine Coronary Arteries Possible Involvement of Rho-kinase -, 729

# Coronary vessels

- Wnt/β-Catenin Signaling Pathway Regulates Epicardial Function, 944 A 25 Year Old Pregnant Female with Dyspnea, 2006
- Anglotensin Type 1 Receptor Blockers Inhibit Significant Coronary Stenosis in Patients with Coronary Aneurysm after Kawasaki Disease, 3269
- Assessment of Luminal Diameter of Coronary Stents Using a Novel 40-Slice Multidetector CT Scanner, 2619
- Coronary Artery Vasodilation by Magnetic Resonance Angiography Is Impaired in Asymptomatic Older Subjects with High Coronary Artery Calcium, 2836
- Coronary Multidetector row Computed Tomography (MDCT) Poorly Estimates the Myocardial Territory at Risk, 3385
- Detection of Coronary Artery Stenoses using Multidetector CT with 370-ms Rotation and Submillimeter Collimation: a Segment-based Analysis, 2452
- Direct demonstration of C-Reactive Protein Production in Human Aortic Endothelial Cells, 1152
- ECG-Gated Rubidium-82 Myocardial Perfusion PET Imaging: A Multiexpert Comparison With Technetium-99m Sestamibi SPECT, 2841
- Five-year Outcomes after Coronary Stenting versus Bypass Surgery for the Treatment of Multivessel Disease: The Final Analysis of the ARTS Trial, 1978
- Frequency of Myocardial Bridge using 16-Slice Multidetector-Row CT (MDCT) with Retrospective Cardiac Gating, 2103
- High Mortality Associated With Precluded Coronary Artery Bypass Surgery Due to Severe Distal Coronary Artery Disease, 2205
- Hyperleptinemia Induces Significant Coronary Endothelial Dysfunction, 863 Intracoronary Pressure and Flow Velocity For Clinical Decision Making in Patients With Intermediate Coronary Lesions, 1922
- Intravascular Ultrasound Characteristics of Coronary Plaques in Culprit Lesions in Patients with Acute Myocardial Infarction, 1611
- Measurement of Coronary Intima-media Thickness Using Optical Coherence Tomography: Comparison with Intravascular Ultrasound, 1687

- Myocardial Virus Persistence is Associated with Muscarinic Receptor-Mediated Endothelial Dysfunction of Epicardial Arteries in Humans, 341
- Nitric Oxide and Hydrogen Peroxide Contribute to the Development of Reactive Dilation in Isolated Coronary Arterioles, 356
- Scintigraphic Myocardial Ischemia and Nonsignificant Coronary Lesions by Angiography: False-Positive Results or Underestimated Atherosclerosis? Insights from Intravascular Ultrasound and Coronary Pressure Measurements, 3165
- Survival Benefit of Exclusive Use of In Situ Arterial Conduits over Combined Use of Arterial and Vein Grafts for Multiple Coronary Artery Bypass Grafting, 2928
- The Reduction of Vascular Extracellular Superoxide Dismutase is Associated With Coronary Artery Atherosclerosis, 1360

#### Cost-effectiveness

- Clinical and Economic Outcomes of Distal Embolic Protection Strategies for Percutaneous Coronary Intervention in Saphenous Vein Grafts, 2310 Cost-Effectiveness of Eplerenone by Age and Sex Subgroups in Patients
- with Heart Failure after Acute Myocardial Infarction: Results from EPHESUS, 1753 Cost-Effectiveness of the TAXUS™ Paclitaxel-Eluting Coronary Stent
- System vs. Bare Stent Implantation in Patients without Routine Angiographic Follow-up: The TAXUS-IV Trial, 3811
- Effect of Age on In-Hospital Length of Stay, Mortality, and Cost Among Patients Undergoing Abdominal Aortic Aneurysm Repair, 1764 Halving The Cost Of Coronary Heart Disease Prevention: Does Tablet
- Splitting Statins Have A Role?, 3812 Long-term Cost and Cost-effectiveness of Mitral Valve Repair Versus Replacement, 2742
- Long-term Effectiveness and Cost-Effectiveness of Disease Management Programs in Congestive Heart Failure: A Decision-Analytic View, 2968 Primary Prevention of Cardiovascular Disease: A Cost-Effectiveness
- Comparison, 3704

  The Need for More Efficient Use of IC Capacity: Is Short-Stay Intensive Care for CABG Patients the Solution?, 3808

### CT angiography

- 16-row CT Coronary Angiography in Heart Transplant Patients, 2102 16-Slice Multidetector Computed Tomography For Evaluation Of Stent Patency In Pulmonary Veins Of Patients With Acquired Pulmonary Vein Stenosis Following Radiofrequency Catheter Ablation, 1781
- Accurate Delineation of Acute and Chronic Myocardial Infarction by Retrospectively Gated Multidetector Row Computed Tomography Comparison with Gd-DTPA-Enhanced Magnetic Resonance, 3394 Assessment of Compensatory Remodeling and Plaque Distribution of
- Coronary Arteries by Multislice Computed Tomography, 2617 ssessment of Luminal Diameter of Coronary Stents Using a Novel 40-Slice Multidetector CT Scanner, 2619
- Combined Use of 16-Slice Computed Tomography and Adenosine Stress MRI for Detecting Hemodynamically Significant Coronary Artery Disease, 2099
- Comparison of Retrospectively ECG-Gated, Multislice Spiral Computed Tomography and Coronary Angiography in the Detectability of In-Stent
- Restenosis after Left Main or Ostial Coronary Stenting, 2615
  Computed Tomographic Angiography Can Define Three-Dimensional
  Relationships Between Coronary Veins and Coronary Arteries Relevant
  to Coronary Venous Procedures, 3247
- Coronary Artery Vasodilation by Magnetic Resonance Angiography Is Impaired in Asymptomatic Older Subjects with High Coronary Artery Calcium, 2836
- Coronary Multidetector row Computed Tomography (MDCT) Poorly Estimates the Myocardial Territory at Risk, 3385
- Coronary Plaque Burden Determined by Contrast-Enhanced 16-Slice CT is Related to Rapidly Progressing De Novo Stenosis and Restenosis, 2292
- Coronary Venous Anatomy by Computed Tomography in Cardiac Resynchronization Therapy, 1783
- Detection of Angiographically Silent Stenoses by Multislice Computed Tomography, 2104

  Detection Of Chronic Myocardial Infarction With Multidetector-Row
- Computed Tomography: A Comparison With Magnetic Resonance Delayed Hyperenhancement, 2614
- Detection of Coronary Artery Stenoses using Multidetector CT with 370-ms Rotation and Submillimeter Collimation: a Segment-based Analysis, 2452
- Detection of Transplant Coronary Disease by Computed Tomography, 2108
- Frequency of Myocardial Bridge using 16-Slice Multidetector-Row CT (MDCT) with Retrospective Cardiac Gating, 2103
- Improved Vessel Morphology Measurements in Contrast-enhanced Multidetector Spiral Computed Tomography Coronary Angiography Using Edge-preserving Noise Suppression and Deblurring, 3386
- Integration of CT/MR imaging with Electroanatomical Mapping to Direct Catheter Ablation of Atrial Fibrillation: A Strategy for Rapid Registration,

- Is Multislice CT Coronary Angiography Comparable with Conventional Invasive Coronary Angiography in Detecting Coronary Artery Disease in Patients Suspected of Acute Coronary Syndromes? A Prospective Study , 3387
- Morphologic Measurements of Ex vivo Coronary Arteries from High Resolution Volume CT, 2448
- Morphological Features Of Rapid Progressing Coronary Plaques Prospectively Determined By IVUS And 16-Slice CT, 2291
- Multislice Computed Tomography for Risk Stratification in Patients With
- Suspected Non-ST-segment Elevation Acute Coronary Syndrome, 2449 Noncoronary Findings on Multidetector CT Coronary Angiography, 2453 Noninvasive Coronary Angiography by Submillimeter Multislice Computed Tomography in Patients with Coronary Bypass: Evaluation of Body and Anastomosis of Venous and Arterial Conduits , 2620
- Noninvasive Coronary Artery Imaging Using 64-slice Spiral Computed Tomography: Initial Experiences, 2446
- Noninvasive Evaluation of 43 Coronary Artery Bypass Grafts Using 16-Row Multislice Computed Tomography with 185 Ms Temporal Resolution, 2106
- Noninvasive Evaluation of Global Left Ventricular Myocardial Function with ECG-gated 16-slice Multidetector Computed Tomography in Comparison with Magnetic Resonance Imaging, 2667
- Noninvasive Quantitative Assessment of Coronary In-stent Restenosis by 16-slice Computed Tomography, 2622
- Novel Findings of the Pulmonary Vein Morphology After Segmental Isolation of the Pulmonary Veins, 1779
- Preoperative Hypertriglyceridemia is Associated with Early Occlusion of Radial Artery but not Saphenous Vein Coronary Bypass Grafts, 875 Presence of Soft Plaques in Nonculprit Coronary Arteries in Patients with
- Acute Coronary Syndromes: Evaluation by Multislice Computed Tomography, 1614
- Pulmonary Arterial Thrombosis in Eisenmenger Syndrome is Associated with Ventricular Dysfunction, Neurohormonal Activation, and Poorer Exercise Capacity, 3631
- Quantitative Measurement of Coronary Artery Stenosis Severity Improves the Diagnostic Accuracy of Multidetector Row CT but Not that of MR
- Reversal of Right Ventricular Enlargement on Multidetector-Row Chest CT Following Thrombolysis or Surgical Embolectomy in Patients with Acute Pulmonary Embolism, 1766
- Right Ventricular Enlargement on Chest CT as a Predictor of Mortality in
- Acute Pulmonary Embolism, 2603
  Role of 16-Channel Multidetector CT for Analysis of Left Ventricular Function in Patients with Left Ventricular Dysfunction due to Various Etiologies Scheduled for ICD Implantation: An Alternative to Magnetic Resonance Imaging?, 1782
- The Relationship of the Esophagus and Aorta to the Left Atrium and Pulmonary Veins: Implications for Catheter Ablation of Atrial Fibrillation,
- Usefulness of Multislice Computed Tomography to Identify Acute Coronary Syndrome in the Emergency Department, 2100
- Usefulness of Pharmacological Stress Multidetector CT Studies in the Evaluation of Myocardial Perfusion, 2101

# Cytokines

- Local Delivery of Osteopontin Attenuates Vascular Remodeling by Altering
- MMP-2 Activity in a Rabbit Model of Aortic Injury, 1512 A Genotype that Enhances the Atherogenic Effect of Smoking and the Antiatherogenic Effect of Smoking Cessation: Variant Forms of Macrophage Colony Stimulating Factor: The Los Angeles
- Atherosclerosis Study, 3806 A Novel Cardiovascular Risk Score for Women with Suspected Myocardial Ischemia: A Report from the NHLBI-Sponsored WISE Study, 3441
- A Novel Orally Available Transforming Growth Factor-β Inhibitor Prevents Myocardial Fibrosis and LV Diastolic Stiffness in a Transgenic Mouse Model of Tumor Necrosis factor Overexpression, 302
- A Novel Role for Cytokines in Fluid Regulation in Heart Failure Mice, 1410 A Prospective Study of Soluble TNF-  $\alpha$  Receptor 2 (Stnf-RII) and Risk of
- Coronary Heart Disease among Women with Type 2 Diabetes, 3576 Activation of Growth Factors and Cytokines in Mice Lacking Natriuretic
- Peptide Receptor-A: Role in Cardiac Hypertrophy and Fibrosis, 791 Activation of Natural Killer T Cells Accelerates Human Coronary Atherosclerosis: A Novel Etiological Link Among Hyperlipidemia, Oxidative Stress, and Inflammation, 1613
- Adeno-Associated Virus Vector-Mediated Systemic Expression of Interleukin-10 Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats, 43
- Adenoviral Overexpression of Human Bcl-2 in Chronic Rat Heart Allografts Suppresses Host Direct Pathway Allorecognition in a Nondonor Alloantigen Specific Fashion, 2721
- Administration of Granulocyte Colony-Stimulating Factor and Macrophage Colony-Stimulating Factor Attenuates Postinfarction Cardiac Remodeling, 24
- Anti-Interferon-y Therapy Attenuates Progression of Established
  Atherosclerotic Plaques and Stabilizes Them in ApoE-Knockout Mice

Atorvastatin Reduces Th1 Development in Patients with Acute Myocardial Infarction, 3223

Beneficial effect of Thalidomide in Heart Failure, 3349

Biventricular Pacing, Coronary Blood Flow and Serum Adhesion Molecules, 3252

Blockade of Acute-Phase Reaction by Hepatocyte-Specific gp130 Knockout Reduces Experimental Atherosclerosis, 550

Blockade Of Keratinocyte-Derived Chemokine Inhibits Re-Endothelialization And Enhances Neointima Formation After Carotid Artery Injury In Apolipoprotein E-Deficient Mice, 847

Blockade of Matrix Metalloproteinase (MMP)-2 Exacerbates Myocardial Inflammation and Dysfunction in Tumor Necrosis Factor (TNF)-α-induced Cardiomyopathy, 2949

Blockade of NF-xB Activation Inhibits Hypertrophy and Improves Survival in Male Mice with Heart Failure Induced by Cardiac-Specific TNF- $\alpha$ 

Blockade Of The Serotonin 5-HT<sub>28</sub> Receptor Prevents Angiotensin II-Induced Cardiac Hypertrophy And Inhibits Cytokine Release By Cardiac Fibroblasts, 295

Bone Marrow-Derived Progenitor Cells Participate in Remodeling of

Advanced Atherosclerotic Plaques, 1016
Bone Marrow-derived Progenitor Cells Play an Antiapoptotic Role and Differentiate into Cardiomyocytes in Ischemic Myocardium Following Ischemic Preconditioning, 200

Bone Morphogenic Protein 4 Produced In Endothelial Cells by Oscillatory Shear Stress Induces Monocyte Adhesion by Stimulating Reactive Oxygen Species Production from A Nox1-Based NADPH Oxidase, 424

Bone-Marrow Stem-Cell Mobilization Induced by Granulocyte-Colony Stimulating Factor (G-CSF) in Patients Undergoing Delayed Revascularization for ST-Segment Elevation Myocardial Infarction, 1554

cAMP-Response Element-Binding Protein Mediates TNFα-Induced Vascular Remodeling Process, 407

Cardiac Expression of Placental Growth Factor Stimulates Peripheral Mobilization of Mononuclear Cells during Acute Myocardial Infarction, 1612

Cd117+/Sca-1+ Cells from Adult Hearts Have Similar Proliferation and Differentiation Potential as Bone Marrow Stem Cells, 322

CD8+ T cells Regulate the Arteriogenic Response to Ischemia by ilnfiltrating the Site of Collateral Vessel Development and Recruiting CD4+ Mononuclear Cells through the Expression of IL-16, 331 Chemokines Can Directly Modulate Cardiac Contractility, 139

Chemokines Induce Matrix Metalloproteinase-2 Through Activation of Epidermal Growth Factor Receptor in Arterial Smooth Muscle Cells, 594 Chronic Inflammation and Ischemic Events in Coronary Artery Disease:

The Impact of Physical Exercise, 3574 Cytokine-Mediated Stem Cell Mobilization Accelerates Neointimal

Hyperplasia, 1503

Deficiency of Erythropoietin Receptor Gene in Nonhematopoietic Lineage Deteriorates Left Ventricular Remodeling After Myocardial Ischemia and Reperfusion, 122

Does Vascular Endothelial Growth Factor Play a Role in Development of Aortopulmonary Collaterals in Cyanotic Heart Disease?, 2883

Dysfunction of the Ubiquitin-Proteasome System Is Accompanied by the Accumulation of the Proapoptotic Protein Smac/DIABLO during Left Ventricular Remodeling, 17

Dysregulation of TGFβ Contributes to Myxomatous Mitral Valve Disease in Marfan Syndrome, 276

Effect of Astragaloside on Myocardial Fibrosis in Chronic Myocarditis,

Effect of Cariporide on Left Ventricular Performance and Cardiac Efficiency in Heart Failure: Assessment by Pressure-Volume Analysis, 3149 Effect of Spironolactone on Myocardial Fibrosis in Murine Chronic

Myocarditis, 2803 Effect of STAT 4 and STAT 6 Deletion on the Pathogenesis of Experimental Autoimmune Myocarditis, 608

Effect of TLR-2 Deficiency on Inhibition of Neointimal Formation after Vascular Injury, 552

Effects of G-CSF on Serum Cholesterol and Development of Atherosclerotic Plaque in Apolipoprotein E-Deficient Mice, 417

Effects of MCP-1 and Leptin on Collateral Flow and Arteriogenesis as Assessed by Ultrasonic Flow Measurements and Microsphere Perfusion,

Effects of Statin Therapy on Markers of Inflammation and Platelet Activation Following Percutaneous Coronary Interventions in Patients With Stable Coronary Artery Disease, 2856

Endogenous Endothelin-1 is Required for Cardiomyocyte Survival in vivo,

Engagement of the β-2 Integrin, LFA-1, Stabilizes Atherorelevant mRNAs in Human Monocytes, 1573

Eplerenone Attenuates Oxidative Stress, Inflammation, and Atherosclerotic Lesion Formation in Apolipoprotein E-Deficient Mice, 188

Erythropoletin Prevents Neointimal Hyperplasia after Intimal Injury by Mobilizing Endothelial Precursor Cells to Accelerate Re-Endothelialization, 699

Evidence Of Neurohormonal and Cytokine Activation In Cachectic Adult Patients With Congenital Heart Disease, 3625

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G-CSF Improves Regional Blood Flow and Cardiac Function in Chronic Hibernating Swine Myocardium, 501

Gene Transfer of Hepatocyte Growth Factor Improves the Development of Experimental Autoimmune Myocarditis through Induction of T Helper 2

Growth Differentiation Factor (GDF)-15 is Induced in the Infarcted Human Myocardium and Protects Cardiomyocytes from Ischemia/Reperfusion Injury, 1421

Hemodynamic Overload Provokes Accelerated Cardiac Decompensation in DARE Mice That Lack TNF AU-Rich Elements, 22

High-Sensitivity C-Reactive Protein: Potential Adjunct for Risk Stratification in Patients with Ischemic or Nonischemic Congestive Heart Fallure. 3471

Higher IL-6 Levels But Not IL-6 -174GC Or -572GC Genotype Are Associated With Postoperative Complication Following Coronary Artery Bypass Surgery (CABG), 1483 Identification of Aldose Reductase as an Obligatory Mediator of TNF- $\alpha$ 

Signaling in Endothelial Cells, 1060

Identification of the Signal Transduction Pathways by Which the β-PDGF Receptor Induces Vascular Smooth Muscle Cell Proliferation and Migration, 412

IGF-1 Receptors in Plaques of Symptomatic and Asymptomatic Patients with Carotid Stenosis, 585

Impairment of Endothelial Progenitor Cells: A Critical Role of p38 MAP Kinase, 716

Importance of Early Initiation of Anti-Tumor Necrosis Factor-α with huTNFR:Fc for Slowing the Progression of Heart Failure in Rats , 2780 In Vivo Silencing of CCR2 by Lentiviral siRNA Transfer to Bone Marrow

Cells Leads to Persistent Loss of CCR2 Function, 656 Increase in Circulating Levels of Adiponectin by Statin and Fibrate in Patients With Coronary Artery Disease, 682

Increased Nitric Oxide Levels With Brachytherapy Compared To Bare Metal or Sirolimus-Eluting Stents. Implications In Coronary Restenosis, 2873

Inflammatory Gene Polymorphisms and Cardiovascular Risk: A CARE Genetic Substudy, 1694

Inhibition of Apoptosis by PR39 Improves Myocardial Ischemia Injury, 199 Inhibition of Experimental Autoimmune Myocarditis in TLR-4-Deficient Mice, 609

Inhibition of I-κB Kinase Improves Endothelial Function and Reduces Atherosclerotic Plaque Formation in Hypercholesterolemic Rabbits and Mice, 1154

Inhibition of the Interleukin-converting Enzyme Improves Endothelial Function in Hyperlipidemic Rabbits, 1062

Interleukin-10 Reduces Endothelium-Dependent T Cell Costimulation through Upregulation of Suppressor of Cytokine Signaling-3 and Immunglobulin-Like Transcript 3 and 4, 1473

Interleukin-18 Induces CXCL16 Expression In Aortic Smooth Muscle Cells Via A Novel Signal Transduction Pathway Involving IRAK1-IRAK4-TRAF6/c-Src/PI3 kinase/Akt//JNK/AP-1, 249

Interleukin-6 and Mevastatin Regulate Expression of Plasminogen Activator Inhibitor Type-1 Through C/EBPδ in Intact Live Cells: Direct Demonstration by Chromatin Immunoprecipitation Assay, 538

Involvement of COX-2 in VEGF-induced Angiogenesis via P38 and JNK Pathway in Endothelial Cells, 1071

Lack of Osteopontin Attenuates Myocardial Hypertrophy in Response to Chronic Pressure Overload, 59

Leptin Induces Elongation of Cardiac Myocytes through the Activation of JAK2/STAT3 Cascade, 3597

Levosimendan Reduces Circulating Pro-Inflammatory Cytokines and Soluble Apoptosis Mediators in Patients with Decompensated Advanced Heart Failure: Comparison with Dobutamine and Placebo, 2254

Lymphocyte-associated LIGHT Induces Proinflammatory and Prothrombotic Changes in Human Vascular Endothelial Cells, 998 Macrophage Migration Inhibitory Factor as a Cytokine Stimulating

Angiogenesis in Response to Tissue Ischemia, 1075 Macrophage Specific Overexpression of Allograft Inflammatory Factor-1 Reduces Atherosclerosis In Vivo: A Novel Atheroprotective Approach

against Vascular Inflammation, 1311 Macrophages Cause Calcification and MMP9 Expression in Aortic Valve

Interstitial Cells, 1480 Mechanism for IL-18-Mediated Neovascularization Unmasked by IL-18

Knockout Mice, 406 Mice with Heart-Specific Overexpression of TNF Develop Cardiac Insulin Resistance, 601

Modulation of Leukotriene Biosynthesis by Proinflammatory Cytokines in Human Monocytes, 893

Monocyte Deficiency in Osteopetrotic Mice Reduces Collateral Artery Growth: An In vivo Proof-of-Concept Study, 1046

Myeloid Differentiation Factor-88 Plays a Crucial Rule in the Pathogenesis of Coxsackievirus B3-Induced Myocarditis, 31

Myocardial Ischemia-Reperfusion and Inflammation: Nuclear Factor-kB is Required for Cardiomyocyte Survival, 2646

111-953

- Myocarditis in Baboon Hearts Injected with Adeno-Associated Virus Expressing Soluble Tumor Necrosis Factor Receptors, 767
- NADPH Oxidase-dependent Acute TNFα Signaling and MAPK Activation in Endothelial Cells: The Role of p47phox and TRAF4, 752
- Neurohormone and Cytokine Activation Relate to Symptoms and Cardiac Function as Quantified by Cardiovascular Magnetic Resonance late After Repair of Tetralogy of Fallot, 3016
- Nitric Oxide Modulates the Inflammatory Response to Extracorporeal Circulation of Blood through Activation of NFkB, 1709
- Novel Mechanism of the Translocation of RhoA and Rho-kinase into Nucleus is Important for Interleukin (IL)-18-Induced Gene Expression and Apoptosis in Cardiac Myocytes, 606
- Once-Only Intramuscular Delivery Of Fc-Fusion Interleukin-10 Plasmid By Electroporation Reduces NeoIntima Formation In Hypercholesterolemic
- Oral Administration of a Mineralocorticoid Receptor Antagonist Reduces Brain, Heart, and Blood-borne Proinflammatory Cytokines in Heart Failure, 1413
- Oral Tolerance to Oxidized LDL Ameliorates Atherosclerosis, 996 Osteoprotegerin-Receptor Activator of Nuclear factor-kB Ligand System Mediates Endothelial Injury in Setting of Heart Failure, 2784
- Outcomes of Granulocyte Colony-Stimulating Factor Administration to
- Patients with Severe Coronary Artery Disease , 1681 Overexpression of IL-10 Within T Lymphocytes Can Significantly Decrease Atherosclerotic Progression after Lesions Are Well-Established, 1156
- Peripartum Cardiomyopathy: Inflammatory Markers as Predictors of Outcome in 100 Prospective Studied Patients, 3476
- Plasma Adiponectin in Peripheral Arterial Occlusive Disease, 1773 Plasma Interleukin-6 Concentrations, Not C-Reactive Protein Levels Predict Long-Term Risk of Ischemic Heart Disease in Men: 13-Year Follow-Up Data From the Quebec Cardiovascular Study, 3575
- PPARy Enhances the Expression of Adiponectin and Adiponectin Receptor 2 in the Heart, 111
- Prediction of Sudden Death in Patients with Chronic Heart Failure: A Prospective Comparative Study of Cardiac I-123 Metaiodobenzylguanidine Imaging and Heart Rate Variability, 3055
- Proinflammatory Genetic Profiles in Subjects with History of Ischemic Stroke, 2984
- Proinflammatory mRNA Stabilization by Adhesion Receptor Engagement in Macrophages, 990
- Reduction of Circulating Amyloidogenic Light Chains Improves Myocardial Function and Survival Despite Unaltered Amount of Amyloid Myocardial Deposits, 2798
- Regulation Of Inflammatory Responses And Matrix-Degrading Activities By p38 MAPK In Advanced Human Atherosclerotic Plaque, 1158
- Resistin Causes Impaired Glucose Tolerance Accompanied With Decreased Insulin Sensitivities in Tissues of Mice Implanted with Resistin-Overexpressing Cells, 3791
- Resistin is an Inflammatory Marker of Atherosclerosis in Humans, 3439 Resistin is Present in Atherosclerotic Lesions and Exerts Proatherosclerotic Effects on the Vessel Wall, 547
- Resistin Promotes Smooth Muscle Cell Proliferation Through Activation of Extracellular Signal-Regulated Kinase And Phosphatidylinositol 3-Kinase Pathways, 892
- RNA Interference 'Rescues' Cardiac Myocytes from the Deleterious Negative Inotropic Effects of Lipopolysaccharide, 495
- Serum Matrix Metalloproteinase-3 as an Independent Predictor of Future Cardiac Events in Patients with Idiopathic Dilated Cardiomyopathy,
- SH2-containing Protein Tyrosine Phosphatase (SHP2) Functioning in LIF-induced Signaling Pathway Inhibits Skeletal α-actin Gene Expression in Cardiomyocytes, 36
- Short-Term Granulocyte-Colony Stimulating Factor Treatment Does Not Induce Endothelial Dysfunction in Patients with Myocardial Infarction,
- SiRNA-Mediated Inhibition of SHP-1 Alleviates Myocardial Infarction, 519 STAT6 Exerts a Protective Effect Mediated through the Regulation of TNF-α level by Tristetraprolin in Response to Pressure Overload In Vivo,
- Stromal Cell-Derived Factor-1 (SDF-1) Protects Deterioration Of Cardiac Function Through Angiogenesis After Acute Myocardial Infarction (AMI) In Mice, 525
- Stromal Cell-Derived Factor-1 Is Upregulated in The Infarcted Heart And Mediates Migration Of Hernatopoietic Stem Cells To The Infarcted
- Suppression of Neointimal Formation in a Canine Model of Vein Graft Disease by Anti-Monocyte Chemoattractant Protein-1 Gene Therapy, 1690
- Suppression of NFAT-Regulated Gene Expression in Peripheral Blood Cells of Cardiac Allograft Recipients Correlates Closely with 2 Hour Post-Dose Cyclosporine Levels, 3294
- Suppressor of Cytokine Signaling-3 Expression Inhibits an Interferon-Independent Susceptibility Factor for Coxsackievirus B3-Mediated Cardiomyopathy within the Cardiac Myocyte, 607

- T Cells Infiltrating Carotid Plaque Induce Vascular Smooth Muscle Cell Apoptosis through the Death Receptor Ligand Apo2L/TRAIL, 1186 Targeted Disruption of the p50 Subunit of NF-kB Ameliorates Cardiac
- Dysfunction After Myocardial Infarction, 306
- Targeting CD40 Function with a Selective Phage Display Derived Peptide Antagonist, 1564
- The 5-Lipoxygenase Pathway in Atherosclerosis and Aortic Aneurysm Pathogenesis, 848
- The AA Genotype of the TNF-α G-308A Polymorphism is Associated with Elevated C-Reactive Protein Levels in White and Black Adults: The HERITAGE Family Study, 435
- The Chemokine Receptor Antagonist TAK-779 Attenuates Atherogenesis,
- The Mineralocorticoid Receptor Blocker Eplerenone Inhibits Cyclooxygenase-2 and Angiotensin Type 1 Receptor Gene Expression in Paraventricular Nucleus of Hypothalamus after Myocardial Infarction in Rats, 1409
- The Origin of Bone Marrow-Derived Cardiomyocytes is Nonhematopoletic: Possible Contribution of Mesenchymal Stem Cells, 324
- The Role of Localization of Fat Deposition on Vascular Endothelial Growth Factor Expression in Adipocytes, 3600
- The Role of Monocyte Chemoattractant Protein (MCP)-1 in Infarct Healing,
- The SDF-1 Chemokine and its Receptor CXCR-4 are Involved in Trafficking of Mesenchymal Stem Cells to Regions of Ischemic Injury, 1205
- TNFα-Induced Cardioprotection is Mediated by Reactive Oxygen Species,
- TNF- $\alpha$  Drives Vein Graft Intimal Hyperplasia, 1215 TNF- $\alpha$  Receptor 1 (P55)-null Mice Exhibit an Antithrombotic Phenotype, 1036
- Transcriptional Suppression of Osteopontin Expression in Macrophages by Ligand-induced Activation of Liver-X Receptors, 1566
- Tumor Necrosis Factor Suppresses Cardiac Mitochondrial Fatty Acid β-oxidation: Potential Role of Transforming Growth Factor-β, 602
- Tumor Necrosis Factor-α Prevents Ventricular Rupture and Remodeling After Myocardial Infarction, 116
- Tumor Necrosis Factor-α Receptor p75 is Required in Signaling of Adult Ischemia-Induced Neovascularization, 1069
- TWEAK Inhibition Reduces Plaque Progression by Inducing a Macrophage-rich Plaque Phenotype in ApoE-Knockout Mice, 574
- TWEAK, a Novel Cytokine Determinant of Dilated Cardiomyopathy in Humans and Mice, 600
- Vaccination against Interleukin 12 Attenuates Atherosclerosis in LDL Receptor-Deficient Mice, 1153
- Vascular Cell Adhesion Molecule-1 Mediates Adhesion of Mesenchymal Stem Cells to Cardiac Microvascular Endothelium, 1201
- Vascular Heme Oxygenase-1 Counteracts Aldosterone/Salt-Elicited
- Vascular Injury in Mice, 1237
  Zaprinast Attenuates Acute Hypoxic Pulmonary Artery Cytokine Expression and Pulmonary Vasoconstriction, 1711

# Development, cardiac

- Wnt/β-Catenin Signaling Pathway Regulates Epicardial Function, 944 Left Ventricular Long Axis Function Shows an Atypical Allometric Scaling to Ventricular Size, 2758
- A Role for Estrogen-Related Receptor- $\alpha$  in the Postnatal Cardiac Maturation Program, 1380
- Adult Cardiac Sca-1 Positive Cells Differentiate into Beating Cardiomyocytes, 942
- ALK3 Deletion Targeted to the Atrioventricular Canal Results in Defects Compatible with Ebstein's Anomaly , 272
- Association of Inter-Atrial Shunts and Migraine Headaches: Impact of Transcatheter Closure, 3624
- Cardiac Muscle-Specific Connexin45-Deficient Mice and Cardiac Troponin T-Deficient Mice Display Defective Heart Contractions That Cause Early Embryonic Lethality, 442
- Cardiac SP Cells Differentiate into Beating Cardiac Myocytes In Vitro, 319 Cardiac-specific Expression of a Dominant Negative Splicing Regulator in Mice Causes Cardiac Hypertrophy, Severe Cardiac Dysfunction, and Sudden Death, 1261
- Directed Differentiation of Adult Human Bone Marrow Stem Cells into Lineage-Defined Cardiac Muscle-Like Cells , 445
- Dominance of Cardiac Phenotypes in the Fused Cells between Cardiomyocytes and Mature Somatic Cells In vivo, 945
- Dysregulation of TGFβ Contributes to Myxomatous Mitral Valve Disease in Marfan Syndrome, 276
- Embryonic Stem Cell-Derived cKit Positive Nkx2-5 Positive Cardiomyogenic Stem Cells Are Clonogenic, Highly Proliferative, and Differentiate Spontaneously into Beating Cardiomyocytes, 1447
- GATA-4 Plays an Important Role in Bone Marrow Stern Cell Transdifferentiation into Myocytes, 1339
- Hif2 $\alpha$ , Ap-2 $\beta$ , and Et-1 Cooperatively Regulate Development of the Ductus
- Id2 (Inhibitor of DNA Binding) Functions as a Regulator of AV Canal Cushion Mesenchyme in the Morphogenesis of Cardiac Valves, 1374

- KLF13 Cooperates with GATA4 in Cardiac Morphogenesis and is Required in Xenopus Heart Formation, 275
- Loss of Connexin 43 in the Cardiac Neural Crest Results in Outflow Tract Anomalies, 274
- Mechanism of Spontaneous Excitability in Human Embryonic Stem Cell-Derived Cardiomyocytes, 220
- Mechanisms of Action of Aggrenox: Role of Nitric Oxide and Adenosine,
- Metabolic Syndrome is Strongly and Independently Associated with Incident Coronary Disease Events in Families with Premature Coronary Artery Disease, 3553
- Migratory Capacity Determines Neovascularization Improvement and Cardiac Differentiation of Circulating Adult Progenitor Cells, 1518
- Murine Embryonic Stem Cells Differentiate Into Cardiac Pacemakers, 219 Myocardial Expression of GATA-4 is Required for Myocardial Proliferation and Formation of the Right Ventricle, 270
- Myocardin Activity is Modulated by p300 and HDAC5, 1 Noncanonical Wnt Signaling via PKC Enhances Differentiation of
- Circulating Progenitor Cells to Cardiomyogenic Cells, 652
- Notch1 Signaling Regulates Cardiac Differentiation, Morphogenesis, and Remodeling, 1087
- Reciprocating Wnt- and BMP-Dependent Pathways Drive Cardiogenesis in P19Cl6 Cells, 1376
- Roles of CHF1/Hey2 in Endocardial Cushion Remodeling, Myocardial Maturation and Vascular Development, 277
- Shear Stress Directs Mouse Embryonic Stem Cell Differentiation into Cardiovascular Lineage, 454
- Tbx-20 Regulates GATA-4 and the Integrity of the Precardiac Epithelium,
- The HRT family of bHLH Transcription Factors Inhibits GATA-dependent Cardiac Gene Expression by a Signal-responsive Mechanism, 1381
- The Mouse Cardiac Ventricular Repolarization Gradient is Established by the Homeodomain Transcription Factor Irx5, 443
  The N-Terminal Domain of Friend-of-GATA-2 Interacts with Several
- Corepressors in Embryonic Heart Development, 1377 The Regulatory Mechanism of Tbx1 in the Anterior Heart Field, 438
- VEGF Isoforms Differently Contribute to Development of Blood Vessels and Blood Cells in Xenopus, 148

#### Diabetes mellitus

III-954

- A Cell Autonomous Defect In Response To Chemokine Sdf-1 Is Responsible For Failure Of Ischemic Endothelial Progenitor Cell Mobilization And Differentiation In Diabetes, 3846
- A Prospective Study of Soluble TNF- α Receptor 2 (Stnf-RII) and Risk of Coronary Heart Disease among Women with Type 2 Diabetes, 3576 Abnormal Glucose Regulation in Patients with Coronary Artery Disease:
- Experience from the Euro Heart Survey, 3677
- Acarbose, an α-glucosidase Inhibitor, Reduces Myocardial Infarction Size in Rabbits by Opening the Mitochondrial KATP Channels, 3639
- Acute Hyperglycemia Impairs KATP Channel-Mediated Coronary Microvascular Responses, 596
- Acute Hyperglycemia, but not Diabetes Mellitus, is a Predictor for Short and Long Term Mortality in Patients after Acute Myocardial Infarction in the Contemporary Primary Angioplasty Era, 1943
- Additive Beneficial Effects of Ramipril Combined with Simvastatin In the Treatment of Type II Diabetic Patients, 3744
- Adiponectin and Future Coronary Heart Disease Events Among Men With Type 2 Diabetes mellitus, 3847
- Albuminuria and Risk of Stroke in Diabetic Adults Free of Clinical
- Cardiovascular Disease: The Strong Heart Study, 3680 Allometric Relationships of Cardiovascular and Metabolic Factors to Height and Adiposity: The Atherosclerosis Risk in Communities (ARIC) Study, 3555
- Angiotensin-Converting Enzyme Inhibitor Improves Coronary Flow Reserve with a Decrease in Serum Asymmetric Dimethylarginine in Type 2 Diabetes Mellitus: Relevance to Oxidative Stress, 1998
- Arterial Stiffness and Left Ventricular Mass are higher in Subjects with Impaired Fasting Glucose, 3674
- Association of Metabolic Risk Factor Burden with Coronary, Aortic, and Aortic Valve Calcium, 3683
- Association of Triglyceride-to-HDL Cholesterol Ratio with Prevalent Cardiovascular Disease in Patients with Diabetes, 3612
- Augmentation of Coronary Flow Reserve in Patients with Type 2 Diabetes Mellitus: Comparison Between Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker, 2002
- Baseline Glucose Level and Left Ventricular Remodeling After Acute Myocardial Infarction, 488
- Beneficial Renal Effects of Vasopeptidase Inhibition in Experimental Type 2 Diabetes, 1110
- Benidipine, a Long-Acting Calcium Channel Blocker, Safely Improves Vasomotor Dysfunction of Coronary Arteries in Patients With Hypertension and Diabetes Mellitus, 1163
- Both Ramipril and Telmisartan Reverse Left Ventricular Diastolic Dysfunction in Patients With Type II Diabetes, 3643

Cardiac Hypertrophy Induced by PPAR-y Agonist Treatment Occurs Independently of Changes in Myocardial Insulin Signaling, 1541 Cardiomyopathy in the MHC-PPARα Model of the Diabetic Heart Requires Gre

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- CD36, 1550 Cilostazol Reduces Restenosis in Diabetic Patients after Coronary Stent
- Implantation, 2306 Clinical Predictors of Major Infections Following Coronary Artery Bypass
- Coronary Calcium in Pima Indians with Childhood- and Young Adult-Onset
- Type 2 Diabetes, 3845 Coronary Microcirculation is Abnormal in First Degree Relatives of Patients
- with Type 2 Diabetes Mellitus, 3636 Correlates of Progression of Coronary Artery Disease in Postmenopausal
- Women, 3658 Death and Subacute Stent Thrombosis Occur More Often in Diabetic and Multivessel Disease Patients after DES: Interim Results of the
- EVASTENT Registry, 3503 Decreased Mortality Associated with β-blocker Use Among 713
- Consecutive Patients with Diabetes and Acute Coronary Events, 3745 Decreased Myocardial Efficiency and Increased Fatty Acid Oxidation Characterize ob/ob and db/db Mouse Hearts Prior to the Onset of Hyperglycemia, 1547
- Degree of Obesity and Control of Glycemia, Blood Pressure, and LDL Cholesterol in Diabetic Subjects: The Look AHEAD Study, 3678
  Delayed Heart-rate Recovery is Associated with Subclinical Left Ventricular
- Dysfunction and Impaired Exercise Capacity in Diabetic Patients, 2295 Delayed Reendothelialization in Diabetes is Mediated by Malfunctioning Bone Marrow-derived Endothelial Progenitor Cells, 369
- Deletion of the p66shc Gene Protects from Diabetic Cardiomyopathy by Activation of Cardiac Stem Cells that Leads to Increased Proliferation of
- Diabetes is a Powerful Predictive Factor of Death after Bioprosthetic Aortic Valve Replacement for Aortic Stenosis. A 15-year Study, 2561a
- Diabetes is Associated With Lower Functional Gains After Coronary Bypass Surgery, 3538
- Diabetes is Associated with Subclinical Atherosclerosis in Dallas County: From the Dallas Heart Study, 3676
- Diabetes, Glucose Level, and Risk of Primary Cardiac Arrest, 3844 Diabetic Patients Are At Greater Risk for Developing Intraoperative Myocardial Acidosis/Ischemia During Cardiac Surgery, 3635
- Diabetic Patients with Heart Failure Have Great Derangement of Cardiac Autonomic Function as Assessed by Heart Rate Variability Parameters,
- Differences in Development of Cardiac Contractile Dysfunction in Mice Models of Type II Diabetes and the Metabolic Syndrome, 493
- Diminished Propagation of Electrical Conductance in Insulin Receptor Deficient Mouse Hearts Under Normoxic and Ischemic Conditions, 784
- Does Metabolic Syndrome Predict Cardiovascular Risk in the Elderly?
- Does the American Heart Association's Get with the Guidelines Program Improve the Quality of Cardiovascular Care in Hospitalized Patients with Diabetes?, 3699
- Effect of Physical Fitness on Serum C-Reactive Protein in Subjects with the Metabolic Syndrome, 3552
- Effects of Glucose Abnormalities on In-Hospital Outcome after Coronary Intervention for Acute Myocardial Infarction, 3232
- Effects of Metformin on Endothelial Function, Aortic Stiffness, and Exercise Tolerance in Diabetic Patients With Stable Angina, 2542
- Effects of Valsartan on Endothelial Function and Nitrate Tolerance in Type 2 Diabetics with Stable Angina, 2537
- Elevated Levels of Endothelium-Derived Microparticles in Patients with Type 2 Diabetes Mellitus and Coronary Artery Disease, 1607
- Elevated Periprocedural Blood Glucose Correlates with Poor Long Term Survival Following Percutaneous Coronary Intervention, 3747
- Endothelial Dysfunction and Insulin Resistance. Beneficial Effects of Rosiglitazone on Type 2 Diabetes, 3748
- Endothelial Lipase is Upregulated by Inflammatory Mediators and Correlated with Low HDL Levels Seen in Metabolic Syndrome, 242
- Explanted Diabetic Arteries Exhibit Increased Angiogenesis in a Novel In Vitro Human Model, 3634
- Fatty Acid Compromises Cardiac Glucose Oxidation through Attenuation of Insulin-Stimulated Akt Phosphorylation and Induction of
- Fuel-Metabolizing Genes via Protein Kinase C (PKC) Activation, 1004 Folic Acid Improves Endothelial Dysfunction in Type 2 Diabetes, an Effect Independent of Homocysteine Lowering, 1590
- Forecasting the Population Benefits of Treating Hypertension (HTN) or Hypercholesterolemia (LIPID) For the Primary Prevention of Cardiovascular Disease: The Importance of Screening and Treating Diabetic Patients, 3548
- G<sub>s</sub>α Protects Against Left Ventricular Dysfunction in the Diabetic Heart,
- Gene Therapy to Treat Diabetic Neuropathy: Improvement of Diabetic
- Peripheral Neuropathy by Human HGF Gene Transfer, 597 Grade of Diabetic Retinopathy Has a Powerful Predictive Relevance of In-Stent Restenosis After Percutaneous Coronary Intervention, 2302

- Greater Propensity of Diabetic Myocardium for Oxidative Stress After Myocardial Infarction is Associated With the Development of Heart Failure, 119
- Heme Oxygenase-1 Prevents Superoxide Anion-Associated Vascular Smooth Muscle Growth and Decreases Circulating Endothelial Cells in a Rat Model of Balloon Injury and Restenosis in Diabetes Mellitus, 1349
- High Glucose and Minimally Oxidized LDL Upregulate Osteopontin Expression through Distinct Pathways in Vascular Smooth Muscle Cells, 1028
- High Serum Level of Advanced Glycation End Products is Associated with Development of Acute Coronary Syndrome in Diabetic Patients: A Potential Role in Immunoinflammatory Reaction of Plaque Instability, 3751
- High- but not low-Intensity Exercise Training Leads to a Reduction of Atherogenic Adhesion Molecules in Both Diabetic and Nondiabetic Patients With Coronary Artery Disease, 3668
- High-Dose Atorvastatin Associated with Worse Glycemic Control: A PROVE-IT TIMI 22 Substudy, 3848
- Higher Coronary Calcium Scores Identify Greater Likelihood of Myocardial Ischemia in Patients with Metabolic Syndrome, 3164
- How Important is Complete Revascularization after Myocardial Infarction?, 3074
- I<sub>K</sub>/HERG K\* Channel, a Potential Molecular Contributor to QT Prolongation in Type I Diabetic Hearts, 921
- Impact of C-reactive Protein on the Likelihood of Peripheral Arterial Disease in US Adults with Metabolic Syndrome, Diabetes, and Pre-existing Cardiovascular Disease, 2441
- Impact of Diabetes Mellitus on Plaque Characterization by Virtual Histology Intravascular Ultrasound Imaging, 2460
- Impact of Giomerular Filtration Rate and Glucose Metabolism on 1-Year Mortality After Acute Myocardial Infarction, 1852
- Impact of Treatment of Coronary Artery Disease with Sirolimus-eluting Stents on Outcomes of Diabetic Compared with Non-diabetic Patients, 3007
- Importance of Hyperinsulinemia in the Clinical Outcome of Patients Undergoing Percutaneous Coronary Intervention, 3642
- Improved Survival after Revascularization in Asymptomatic Diabetic Patients with High-Risk Spect Imaging, 2203
- Inactivation of Protein Kinase C-β Reduced Insulin-Stimulated Cardiac Glucose Uptake But Paradoxically Prevented Diet-Induced Cardiac Insulin Resistance, 1331
- Insulin Resistance, 1331
  Increased Vascular Nox4 and p22phox Expression, Oxidase Activity and Inflammation in db/db Diabetic Mice, 1244
- Inflammatory Genetic Factors to Predict Restenosis in Diabetic Patients after Percutaneous Coronary Intervention, 3675
- Influence of Sex and Diabetes Mellitus on Acto-Myosin Crossbridge Kinetics of Human Myocardium, 1287
- Inhibition of p38 MAP Kinase Executes Cardiovascular Protection in Experimental Diabetic Cardiopathy, 3641
- Is Myocardial Contrast Echo Accurate for the Diagnosis of Coronary Artery Disease in Diabetic Patients?, 3320
- KLF5 Inhibitor Am80 Reduces Atherosclerosis, Adipose Tissue Growth, and Fatty Liver Disease, 3637
- LDL Cholesterol is a Predictor of Inadequate Coronary Artery Remodeling in Diabetic Patients: An Intravascular Ultrasound Study, 2861
- Leptin Induces Elongation of Cardiac Myocytes through the Activation of JAK2/STAT3 Cascade, 3597
- Long- but not Short-Term Multifactorial Intervention Improves Endothelial Dysfunction in Patients With Diabetes Mellitus Type 2 and Coronary Artery Disease, 3665
- Long-Term Administration of Thiazolidinedione Over Years Provides Ultrasonic Manifested Antiatherosclerotic Effects Independent of Diabetic Improvement for Type-2 Diabetics, 2056
- Long-Term Effect of Diuretic-Based Therapy in Subjects with Isolated Systolic Hypertension With and Without Diabetes:Fourteen-Year Follow-up of the Systolic Hypertension in the Elderly Program, 2042
- Long-Term Treatment With Thiazolidinedione Improves Vasomotion of Resistance Coronary Arteries Independent of Improvements in Clinical Insulin-Resistant Status, 860
- Major Prognostic Role of Admission Glycemia on 30-day and 1-year Outcomes in Nondiabetic Patients Admitted for Myocardial Infarction: Results from the Nationwide French USIC Study, 1851
- Metabolic Syndrome and Subclinical Atherosclerosis in Young to Middle-Aged Adults, 2063
- Metabolic Syndrome, Inflammation, and Prognosis in Individuals with Known Coronary Artery Disease, 2543
- Metabolic Syndrome: a Major and Independent Predictor of In-Hospital Mortality and Cardiogenic Shock In Patients with Acute Myocardial Infarction: Data from RICO Survey, 3060
- Microvascular Leakage in Rats with Metabolic Syndrome, 673 Moderate Alcohol Intake and Markers of Inflammation and Endothelial
- Dysfunction among Diabetic Men, 3578

  Neuronal Damage in Diabetic Hypertensives Independent of Cerebral Microvascular Dysfunction, 3152

- Nitro-Aspirin Improves Insulin Sensitivity In Obese Insulin-Resistant Men,
- Noninvasive Ultrasonic Evaluated Endothelial Dysfunction Predicts Future Diabetic Evolution, 2061
- Novel ELISA for Apo B-48 revealed Chylomicron Remnants (CR) are Accumulated in the Serum of Diabetic Patients, Predisposing Them to Coronary Heart Disease (CHD), 873
- Novel Role for CCAAT/Enhancer-binding Protein b in Metabolic Adaptation of the Rodent Heart, 1545
- O-GloNAc Transferase Mediates the Effects of High Glucose on eNOS Function, 579
- Observations of a Large \-Animal Model of Diabetic Vascular Disease, 3267
- Occurrence of Diabetes in Idiopathic Left Ventricular Dysfunction: Prevalence and Relationship with Myocardial Perfusion and Function,
- Oral Benfotiamine Supplementation Improves Reparative Angiogenesis and Endothelial Cell Survival in Diabetic Model of Peripheral Ischemia by Activation of Akt-B/eNOS Pathway, 1456
- Overexpression of Glutathione Peroxidase Attenuates Myocardial Remodeling and Preserves Diastolic Function in Diabetic Heart, 897
- Physical Activity and Diabetes Risk in Postmenopausal White, Black, Hispanic, and Asian Women: The Women's Health Initiative Observational Study, 3570
- Pioglitazone Decreases Carotid Intima-media Thickness Independent of Glycemic Control in Patients with Type 2 Diabetes Mellitus, 1013
- Pioglitazone, a Peroxisome Proliferator-Activated Receptor (PPAR)-y Agonist, Improves Left Ventricular Diastolic Function in Essential Hypertension, 3374
- Predicting Mortality and Morbidity in Chronic Heart Failure Independent of Left Ventricular Systolic Function: Results from the CHARM Program, 3478
- Prediction of Silent Myocardial Ischemia in Asymptomatic Type 2 Diabetics without prior Coronary Artery Disease: Comparison between Traditional Risk factors, Inflammatory markers, and Coronary Calcium, 3162
- Predictors of Cardiovascular Events in Patients with Type II Diabetic Nephropathy and Hypertension, 3679
- Preoperative Hypertriglyceridemia is Associated with Early Occlusion of Radial Artery but not Saphenous Vein Coronary Bypass Grafts, 875
- Prevalence and Treatment of Dyslipidemia Among Persons with Diabetes in the United States 1999–2000, 3682
- Prevention of Limb-threatening Ischemia By PAI-1 Knockdown in a Diabetic Model of Peripheral Vascular Disease, 1097
- Progression of PAI-1 Levels in Relation to Incident Type 2 Diabetes, 3854 Propionyl-L-camitine Improves Hemodynamics and Cardiac Microvascular Perfusion During Coronary Operation in Diabetic Patients, 1705
- Quantitative Angiographic Assessment of Coronary Blood Flow in Patients with Metabolic Syndrome and Diabetes with Normal or Near-Normal Coronary Arteries. 1876
- R483, a Novel and Potent Peroxisome Proliferator-Activated Receptor-y Agonist, is Associated with Beneficial Effects on Plasma Lipids in Two Mouse Models of Type 2 Diabetes, 3640
- Real-Life Impact of Sirolimus-Eluting Stent Implantation in Treating
  Diabetic Patients: A 6-Month Follow-up Report From the International
  e-CYPHER Registry, 3006
- Receptor for Advanced Glycation End-products: A Key Player in Myocardial Ischemic Injury, 1425
- Relationship Between Admission Glucose and Mortality in 713 Diabetes Patients with Acute Coronary Events, 3749
- Resistin Causes Impaired Glucose Tolerance Accompanied With Decreased Insulin Sensitivities in Tissues of Mice Implanted with Resistin-Overexpressing Cells, 3791
- Resistin is Present in Atherosclerotic Lesions and Exerts Proatherosclerotic Effects on the Vessel Wall, 547
- Resistin Promotes Smooth Muscle Cell Proliferation Through Activation of Extracellular Signal-Regulated Kinase And Phosphatidylinositol 3-Kinase Pathways, 892
- Reversal of Vascular Dysfunction in Subjects at Risk of Type 2 Diabetes Mellitus, 3855
- Risk Factors for peripheral Arterial Disease Incidence in Persons with Diabetes: the Atherosclerosis Risk in Communities Study, 3610
- Role of Increased Expression of Matrix Metalloproteinases (MMPs) Induced by Advanced Glycation End Products for Plaque Instability in Diabetes Mellitus, 3853
- Rosiglitazone Combination Therapy Improves Ambulatory Blood Pressure: A 6-month Substudy of the RECORD Trial in People with Type 2 Diabetes, 3378
- Posiglitazone Increases LDL Size and Buoyancy While Decreasing CETP Mass and Hepatic Lipase Activity, 678
- Salutary Effects of Attenuation of Angiotensin II Mediated JNK Signaling on Coronary Perivascular Fibrosis Associated with Insulin Resistance and Obesity, 1539
- Sequence of Progression of Subclinical Cardiovascular Risk Factors and Cardiac Dysfunction in Type 1 Diabetes Mellitus, 3753

Sex Differences in the Symptom Presentations of Acute Coronary Syndromes, 3027

Simvastatin Modulates Anglotensin II Signaling Pathway by Preventing Rac1-Mediated Upregulation of p27, 1117

Small Vessel and Diffuse Coronary Narrowing Developed in Patients with Impaired Glucose Tolerance: A New Parameter for the Assessment of Entire Coronary Trees, 3750

Spouse Concordance of Metabolic Syndrome in 4140 Korean Couples: Result from a Nationwide Survey, 3523

Subdepressor Dose of a Long-Acting Calcium Channel Blocker, Benidipine, Ameliorates Diabetic Cardiac Remodeling and Normalizes the Upregulated Endothelin-1 System in the Rat, 3752

Suboptimal Glycemic Control is Associated with Increased Risk of Ventricular Arrhythmias, 3240

Suboptimal Use of Evidenced-based Medications Before Myocardial Infarction Among Patients with and without Diabetes Mellitus:

Observations from the National Registry of Myocardial Infarction (NRMI) 4, 3849

SUMOylated RAGE, Signal Transduction and Accelerated Diabetic Atherosclerosis, 414

Superoxide Impairs cAMP-Mediated Dilation by Reducing K., Channel Function in Rat Small Coronary Arteries from Diabetic Rats, 866

Sustained Suppression of Neointimal Hyperplasia by Sirolimus-Eluting Stents in Diabetic Patients: Long-Term Angiographic and Three-Dimensional Intravascular Ultrasound Follow-Up, 3497

Systemic Inflammation and Glycemic Control as the Amplifying Factors for Aspirin-Resistant Thromboxane Biosynthesis in Patients with Coronary Artery Disease, 1485

The Angiotensin Type 1 Receptor Blocker Irbesartan Induces Adiponectin Expression via PPARy Activation, 3851

The Efficacy of Sirolimus-Eluting Stents versus Bare Metal Stents for Diabetic Patients Undergoing Percutaneous Coronary Intervention, 1696 The Evastent study: A Direct Comparison of Safety and Cost-effectiveness of Drug Eluting Stents in Diabetic and Nondiabetic Patients According

to the Amount of Vessel Disease, 3400
The Impact of Diabetes On One-Year Health Status Outcomes following
Acute Coronary Syndromes, 3619

The Impact of Diabetic Retinopathy on Cardiac Outcome Following Coronary Artery Bypass Graft Surgery (CABG): A Prospective Study, 2200

The MHC-PPAR $\alpha$  Mouse Model of the Diabetic Heart Exhibits Increased Pathologic Remodeling following Myocardial Infarction, 110

The PPARy-Activating ARB Irbesartan Stimulates Expression of the Insulin-Signaling Protein CAP and Enhances Insulin-Induced Glucose Uptake, 3850

Thiazolidinedione Reverses Endothelial and Exercise Disorders in Patients with Effort-Induced Angina Pectoris and Type 2 Diabetes Mellitus; 2535 Thiazolidinedione Therapy Associated with Improved Clinical Outcomes in Heart Failure Patients with Diabetes, 2411

Thioredoxin-interacting Protein Controls Endothelial Cell Apoptosis and Oxidative Stress in Hyperglycemia, 1243

Three-Dimensional Ultrasound Evaluation of Neointimal Proliferation in Diabetic Patients: Analysis of 298 Patients Treated with Bare-Metal and Sirolimus-Eluting Stents, 1812

Trends in Cardiovascular Complications of Diabetes: the Framingham Heart Study, 3746

Type 2 Diabetic Mice Have Increased Blood Pressure and Enhanced Arteriolar Basal Tone Due to COX-2-Dependent TxA<sub>2</sub>/PGH<sub>2</sub> Production, 158

Use Of Bivalirudin During Percutaneous Coronary Intervention In Patients With Diabetes Mellitus: An Analysis From The REPLACE-2 Trial, 2863 Using Computer Technology to Improve Secondary Risk Reduction in

Patients with Diabetes, 3638

Vascular Production of CRP and the Association Between Serum Levels and Plaque Deposition of CRP in Patients With Atherosclerosis, 3852

VLDL-Triglyceride Kinetics in Postmenopausal Women, 869
What is the Relationship between Flow and Function in Diabetic
Cardiomyopathy? A Quantitative Study Using Contrast Echo and Strain
Rate Imaging, 2394

# Diagnostic techniques

150-Microgram Intracoronary Adenosine Bolus Is Mandatory For Accurate Fractional Flow Reserve Measurement In Intermediate Lesions: A Dose-Ranging Study, 1919

16-row CT Coronary Angiography in Heart Transplant Patients, 2102 A Clinical and Biochemical Risk Score for the Diagnosis of Acute CHF: The ProBNP Investigation of Dyspnea in the Emergency Department (PRIDE) Acute CHF Score, 2428

A New Methodology to Detect the Natural Anti-Plaque Response in Patients with Ruptured Atherosclerotic Plaques, 588

A Novel Noninvasive Method of Pulmonary Vascular Resistance Quantification, 3487 Abnormal Glucose Regulation in Patients with Coronary Artery Disease: Experience from the Euro Heart Survey, 3677

Accuracy of Noninvasive Monitoring of Coronary Flow Velocity Reserve with Transthoracic Echo-Doppler in Detecting Coronary Restenosis After Successful Coronary Angioplasty: a Multicenter Study, 2404

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Aortic Compliance does not Differ Between Blacks and Whites: MRI Results from the Dallas Heart Study (DHS), 3709 Apelin Levels in Lone Atrial Fibrillation, 2694

Assessment of Luminal Diameter of Coronary Stents Using a Novel 40-Slice Multidetector CT Scanner, 2619

Autotriggered Memory Loop Recorders Provide Earlier and More Complete Arrhythmia Detection than Standard Recorders and Holter Monitors, 2701

B-type Natriuretic Peptide and Clinical, Functional, and Hemodynamic Parameters in Pre-Capillary Pulmonary Hypertension, 1756 Cardiovascular 3D MRI Assessment of Diastolic Dysfunction: A

Cardiovascular 3D MRI Assessment of Diastolic Dysfunction: A Comparision with Echocardiography, 2962

Cause of Correlation Failure Between Cardiopulmonary Exercise Testing and Six-minute Walk Distance in Patients with Pulmonary Arterial Hypertension, 2496

Chlamydia pneumoniae in Peripheral Blood Cells is Associated With Multivessel Coronary Artery Disease, 1697

Clinical Features and Prognosis of Cardiac Sarcoldosis Presenting as

Hypertrophic Cardiomyopathy, 2422
Constant Fractional Flow Reserve Despite Changes in Coronary Stenosis and Microvascular Resistance After Hemodynamic Provocation, 1921

Coronary Flow Reserve by Contrast-Enhanced Transthoracic Echocardiography: a New Noninvasive Predictor of Cardiac Allograft Vasculopathy, 2720

Delayed Enhancement MRI Improves the Ability to Detect Cardiac Involvement in Patients with Sarcoidosis, 2995

Detection of Cardiac Allograft Rejection and Response to Therapy Using Peripheral Blood Gene Expression , 2718

Detection of Construction Errors in Ex Vivo Coronary Artery Anastomoses by 13-MHz Epicardial Ultrasound: Comparison to Angiography , 2207 Diagnosis and Presentation of Fatal Myocarditis, 2421

Dobutamine Stress Magnetic Resonance Imaging: A Multicenter Trial for the Assessment of Diagnostic Performance and Reader Variability, 3489

Early Diagnosis Of Acute Aortic Dissection: Identification of Clinical Variables Associated with Early Diagnosis and Determination of the Usefulness of Biochemical Diagnosis as Shown by the International Registry of Acute Aortic Dissection (IRAD) Database, 1765

ECG-Gated Rubidium-82 Myocardial Perfusion PET Imaging: A Multiexpert Comparison With Technetium-99m Sestamibi SPECT, 2841

Echocardiographically Detected Intraventricular Asynchrony: a Poor Intermethod Agreement, 3308 Effect of Myocardial Perfusion Defects on Ventricular Function

Radionuclide Calculations, 2842 Enhanced Spatial Discrimination of Plaque Components by Quantitative

Optical Coherence Tomography, 1788 Evaluation of Cardiac Magnetic Resonance Imaging in Patients Referred

for Suspected Arrhythmogenic Right Ventricular Dysplasia, 3492 Identification of a Gene Expression Profile to Differentiate Ischemic and Nonischemic Cardiomyopathy, 1604

Identification of Vulnerable Plaque with Optical Coherence Tomography, 2455

Impact of Cardiovascular Risk Factors on Coronary Calcium Score in Women with an Intermediate Likelihood for Coronary Artery Disease and a Normal SPECT Myocardial Perfusion Scan: Influence of HDL, 2287

In Vivo Imaging of Coronary and Pulmonary Thrombosis by EP-2104R, a Fibrin-Targeted Magnetic Resonance Contrast Agent, 3180 Measurement of Coronary Intima-media Thickness Using Optical

Coherence Tomography: Comparison with Intravascular Ultrasound, 1687
MR Perfusion Imaging for Detection of Coronary Artery Disease: A

MH Perrusion imaging for Detection of Coronary Arrery Disease: A Multicenter Dose Finding Study in Comparison with X-Ray Coronary Angiography and Single Photon Emission Computed Tomography, 2987 MR-Guided Cardiac Catheterization in Children and Adults, 2840

Myocardial Contrast Echocardiography Provides Superior Information
Compared With the TIMI Score in Patients Presenting to the Emergency
Department with Suspected Cardiac Chest Pain and a Nondiagnostic
Electrocardiogram, 1606

No Reflow Detected by Delayed Contrast Enhancement Predicts Ventricular Remodeling Following an ST-Segment Elevation Myocardial Infarction, 2091

Noninvasive Coronary Artery Imaging Using 64-slice Spiral Computed Tomography: Initial Experiences, 2446

Noninvasive Detection of Severe Stenosis and Total Occlusion in Left Anterior Descending and Right Coronary Artery with Transthoracic Doppler Echocardiography . 3306

NT-proBNP Testing is Cost-Effective in the Diagnostic Assessment and Management of Dyspneic Patients in the Emergency Department: A ProBNP Investigation of Dyspnea in the Emergency Department (PRIDE) Substudy, 1762

- Plasma Brain Natriuretic Peptide (BNP) Levels do Not Predict Functional Status in Obese Patients with Heart Failure, 1757
- Portable Type Signal-Averaged Electrocardiography With Dipyridamole To Detect Patients With Coronary Artery Disease -Retrospective and Prospective Studies-, 1684
- Prediction of Transmurality of Acute Myocardial Infarction: Comparison between Myocardial Contrast Echocardiography and Radionuclide Perfusion Imaging, 3458
- Predictive Value of Flow-Mediated Dilation of the Brachial Artery in Patients Referred for Cardiac Rehabilitation: A 5-Year Follow-Up, 2196 Predictors of Absence of Heart Failure in Patients with Elevated B-type Natri
- Presence and Pattern of Scar on Contrast-enhanced MRI Differentiates Ischemic from Non-ischemic Cardiomyopathy, 3490
- Psychological Profile of Patients Entering Cardiac Rehabilitation, 3830 Real-Time Dynamic Three-Dimensional Color Flow Doppler Assessment of Mitral Regurgitation, 2655
- Resting Magnetocardiographic Imaging Accurately Detects Myocardial Ischemia in Chest Pain Patients With Normal or Nonspecific ECG Findings, 3440
- Role of Contrast-Enhanced MRI in the Detection and Quantification of Lipid-Rich Necrotic Core in Carotid Atherosclerotic Plaque, 243
- Spiral Computed Tomography with Three-Dimensional Reconstruction for Evaluating Tracheal Compression in Children with Vascular Ring and Pulmonary Artery Sling, 1849
- The Eigenvalue Model as an Electrical Marker in the Prediction of Acute Myocardial Infarction in Measured and Derived Electrocardiograms, 3095
- Tissue Doppler Determination of Arterial Elasticity: Correlation with Clinical Status and Arterial Compliance, 2065
- Tissue Doppler Imaging can Discriminate Nonobstructive Hypertrophic Cardiomyopathy from Hypertensive Left Ventricular Hypertrophy with High Predictive Accuracy, 2566
  Transcutaneously Measured Viscoelasticity of Myocardium Rapidly
- Transcutaneously Measured Viscoelasticity of Myocardium Rapidly Decreases at the Beginning of Diastole, 1729
- Usefulness of Pharmacological Stress Multidetector CT Studies in the Evaluation of Myocardial Perfusion, 2101
- Value Of Human Fatty Acid Binding Protein, Inflammatory, And Hemostatic Markers For Early Detection Of Acute Myocardial Infarction, 1945
- What Are the Optimal Cut-points for NT-proBNP Use in the Emergency Department? A ProBNP Investigation of Dyspnea in the Emergency Department (PRIDE) Substudy, 2429

## Diastole

- $\beta_3$ -Adrenergic Receptor Activation Contributes to Exercise Intolerance in Heart Failure, 2034
- A Novel Orally Available Transforming Growth Factor-β Inhibitor Prevents Myocardial Fibrosis and LV Diastolic Stiffness in a Transgenic Mouse Model of Tumor Necrosis factor Overexpression, 302
- Alterations of Left Ventricular Function in Hypertensive Pregnant Women, 3376
- Angiotensin II Increases Myocardial Distensibility: A Novel Endothelial and AT<sub>1</sub>-Mediated Effect, 137
- Bone Morphogenic Protein 7 (BMP-7) is an Endogenous Inhibitor of Cardiac Fibrosis and Attenuates Conversion of Endothelial Cells into Fibroblasts, 1900
- Can Bone Marrow Transfer in Patients after Myocardial Infarction Prevent the Development of Diastolic Dysfunction? Results from the BOOST Trial, 1148
- Cardiac Specific Expression of a Dominant Negative Mutation in the Natriuretic Peptide A Receptor Exacerbates Fibrotic and Hypertrophic Remodeling and Diastolic Dysfunction in Response to Pressure Overload, 964
- Cardiopulmonary Exercise Testing Cannot Distinguish Between Patients with Diastolic and Systolic Heart Failure, 2494
- Cardiovascular 3D MRI Assessment of Diastolic Dysfunction: A Comparision with Echocardiography, 2962
- Characterization of Left Ventricular Chamber Compliance in Patients with Congestive Heart Failure and Preserved Systolic Function, 3372 Direct Effect of Cardiac Troponin I Mutant Serine 23/24 Aspartate to
- Direct Effect of Cardiac Troponin I Mutant Serine 23/24 Aspartate to Accelerate Twitch Relaxation in Single Myocytes from Transgenic Mice, 228
- Does Losartan Improve Diastolic Left Ventricular Function Better than Atenolol During More Than Four Years of Antihypensive Treatment? The LIFE Study, 2961 Elevation of Cardiac Aldosterone Level and Beneficial Effects of
- Elevation of Cardiac Aldosterone Level and Beneficial Effects of Aldosterone Blockade in Hypertensive Diastolic Heart Failure Rats, 3338
- Ethnic Variation in Diastolic Function in a Hypertensive Population, 2233

  Exercise Training Improves Left Ventricular Diastolic Function and
  Increases Vascular Structure in Elite Athletes, 2608
- Faster Decay of Crossbridge Dynamics during Diastole in Endomyocardial Region Compared with Epimyocardial Region, 521
- Immediate Impairment of Left Ventricular Mechanical Performance And Force-Frequency Relation by Rate-responsive Dual-chamber, but not Atrial Pacing: Implications from Isovolumic Relaxation Flow

- Investigation, 2086
- Improvement in TEI Index Closely Mirrors Reversal of Left Ventricular Dysfunction in Chronic Ischemic Cardiomyopathy, 2945
- Improvement Of Left Ventricular Diastolic Function After Septal Surgical Myectomy Or Percutaneous Transcoronary Septal Alcohol Ablation In Patients With Hypertrophic Obstructive Cardiomyopathy, 3362
- Increased Phospholamban Phosphorylation with Exercise Training Improves Diastolic Function in Hypertension, 292
- Mechanisms of Left Ventricular Dysfunction and Altered
- Mechanoenergetics in a Model of Diastolic Heart Failure, 1128

  Modulation of the β-adrenergic receptor kinase improves cardiac function in a neonatal model of right ventricular hypertrophy, 1281
- N-Terminal Pro-B Type Natriuretic Peptide An Accurate Plasma
- Biomarker In Detecting Diastolic Dysfunction, 2963
  N-Terminal Pro-Brain Natriuretic Peptide Correlates with Left Atrial Volume
  Index and Functional Parameters in Patients with Symptomatic Diastolic
- Dysfunction, 2231
  Omapatrilat Improves Left Ventricular Arterial Coupling and Mechanical
  Efficiency and Restores Normal Exercise Response in Heart Failure,
- Pioglitazone, a Peroxisome Proliferator-Activated Receptor (PPAR)-y Agonist, Improves Left Ventricular Diastolic Function in Essential Hypertension, 3374
- Plasma Profiles of Matrix Metalloproteinases and Tissue Inhibitors of Matrix Metalloproteinases: Changes Associated with the Presence of Diastolic Dysfunction, 2823
- Prevalence and Mechanism of Pulmonary Hypertension in Hypertrophic Cardiomyopathy: An Echo-Doppler Study, 3136
- Pulmonary Hypertension, Normal Ejection Fraction and Elevated Pulmonary Capillary Wedge Pressure: Idiopathic Pulmonary Arterial Hypertension or Diastolic Heart Failure?, 3138
- Severe Diastolic Dysfunction is Associated with Greater Autonomic Function Abnormalities as Assessed by Heart Rate Variability in Patients with Stable Systolic Heart Failure, 2960
- Signs Of Systolic And Diastolic Heart Failure In Caveolin-1 Knockout Mice Establish A Crucial Role Of Caveolin-1 In Cardiac Perfomance, 23
- The Most Important Determinant of the Coronary Zero-Flow Pressure is the Left Ventricular End-Diastolic Pressure, 1807
- Tissue Doppler Imaging: A Powerful Predictor of Future Cardiovascular Events in a Hypertensive Population, 2567
- Tissue-Level Perfusion Predicts Remote Clinical Outcomes More Accurately than Relaxation Abnormality in Patients with Myocardial Infarction, 3316
- Transcutaneously Measured Viscoelasticity of Myocardium Rapidly Decreases at the Beginning of Diastole, 1729
- Transmural Mechanics of Active Left Ventricular Diastolic Relaxation, 524

# Diet

- Arachidonic Acid in Adipose Tissue and Nonfatal Acute Myocardial Infarction, 3605
- A Personal Health Planning Intervention to Modify Dietary and Exercise Behavior, 3571
- A Promoter Polymorphism of Human Tissue Kallikrein Gene is Associated with the Response of Blood Pressure to Dietary Salt Restriction , 89
- A Randomized Trial Assessing the Impact of Cardiovascular Risk Factor Case Management on the Metabolic Syndrome, 3707
- A-204C Polymorphism in the Cholesterol-7α Hydroxylase (CYP7A1) Gene Determines LDL-cholesterol Concentration Responsiveness to Diet, 3586
- Ad Libitum Consumption of a High Monourisaturated Fatty Acid Diet Decreases VLDL apolipoprotein B-100 Production in Men, 878
- Adherence to the Mediterranean Diet and Plasma Level of Inflammatory and Endothelial Dysfunction Markers, 3562
- Chocolate Snack Bars Containing Phytosterols Effectively Lower Total and LDL Cholesterol Without Affecting Plasma Vitamins A or E, 3587
- Consumption of Trans Fatty Acids and Plasma Markers of Inflammation and Endothelial Dysfunction, 3739
- Dietary Intake and Markers of Inflammation and Oxidative Stress in Adolescents, 3607
- Differences in Blood Pressure with Age between Middle-Aged Northern and Southern Chinese INTERMAP Study, 3609
- Early Prenatal Undernutrition Causes Cardiac Hypertrophy and Hypertension , 485
- Effect of Soy Nuts on C-Reactive Protein and Soluble Adhesion Molecules in Postmenopausal Women, 3590
- Effects of Dietary Glycemic Index and Fat Content on Ad Libitum Weight Loss, Cardiovascular Risk Factors, and Glucose Homeostasis in Overweight and Obese Subjects, 3834
- Fasting Serum Apolipoprotein (Apo) B-48 Levels Measured by a Novel ELISA are a Simple and Useful Marker for Postprandial Hyperlipidemia and predict Coronary Heart Disease (CHD), 872
- Fish Consumption and Incidence of Metabolic Syndrome: the CARDIA Study, 3835
- Fish Intake and Risk of Incident Atrial Fibrillation, 3766

- Food Stamp Benefits are Inadequate to Purchase Heart-Healthy, Culturally Appropriate Foods in a Low-Income African-American Community, 3698 Gender Differences in Adherence to the Sodium-Restricted Diet in Patients
- with Heart Failure, 3420
- Genetics of Cholesterol Absorption and Plasma Plant Sterol Levels on the Pacific Island of Kosrae, 3332
- Inactivation of Protein Kinase C-9 Reduced Insulin-Stimulated Cardiac Glucose Uptake But Paradoxically Prevented Diet-Induced Cardiac Insulin Resistance. 1331
- Interplay between Intermediate-chain n-3, Long-chain n-3, and n-6 Polyunsaturated Fatty Acids and Risk of Coronary Heart Disease in Men, 3591
- Mediterranean-inspired Diet Reduces the Number of Leukocytes and Platelets and Decreases Vascular Endothelial Growth Factor in Healthy Subjects, 3832
- No Apparent Benefit of Low Glycemic Index Meals on the Postprandial Lipid Response in Women with Obesity or Insulin Resistance, 3768 Plant Sterols in an Aqueous Suspension Effectively Reduce Cholesterol
- Absorption at a Very Low Dose, 3767
  Soy Protein Supplementation Decreases Serum Lipids: A Meta-Analysis of Randomized Controlled Trials, 3563
- The Hepatic Lipase Promoter Polymorphism Modifies the Relation Between Dietary Starch and Coronary Heart Disease, 3805
- The Melbourne Atherosclerosis Vitamin E Trial (MAVET): A Study of High-Dose Vitamin E in Smokers, 3606
- Vegetarians Are More Vulnerable to Developing Atherosclerosis That Is Remediable by Vitamin B<sub>12</sub> Supplementation, 3765

## Disease management

- β-Blocker Therapy Does not Alter Aortic Growth Rate in Pediatric Patients with Marfan Syndrome. 1928
- Preoperative Prediction of Long-Term Survival Following Coronary Artery Bypass Grafting in Patients with Low Left Ventricular Ejection Fraction: The HAVOG Score, 1986
- A Randomized Trial Assessing the Impact of Cardiovascular Risk Factor Case Management on the Metabolic Syndrome, 3707
- Combining the Evidence and Explaining the Heterogeneity of the Efficacy of Disease Management Programs in Patients with Heart Failure, 2969
- Cultural Factors of Chinese Immigrants as Predictors of Hypertensive Medication Compliance, 1862
- Depressive Symptoms And Quality Of Life Predict Short-Term Mortality In Patients With Chronic Heart Failure, 2248
- Disease Management Modestly Increases Utilization of Evidence-Based Therapy and Reduces Mortality in Elderly Patients with Left Ventricular Dysfunction, 2971
- Do Women and Men Differ at Time of Referral for PCI? Experience from the Courage Clinical Trial, 3026
- Does the American Heart Association's Get with the Guidelines Program Improve the Quality of Cardiovascular Care in Hospitalized Patients with Diabetes?, 3699
- Four-Year Follow-Up of the Multicenter Rct of Coaching Patients on Achieving Cardiovascular Health (The COACH Study) Shows that the COACH Program Keeps Patients Out of Hospital, 3703
- Gender and Utilization of Device Therapies: Insights from a Retrospective National Study, 2245
- Hypoplastic Left Heart Syndrome Practices and Perceptions of Pediatric Healthcare Professionals, 2878
- Impact of Medication Cost and Access on Adherence and Outcomes in Heart Failure Patients, 2972
- Impact of Obstructive Sleep Apnea on Clinical and Angiographic Outcomes in Patients with Acute Coronary Syndrome Who Underwent Emergent Percutaneous Coronary Intervention, 2213
- Introduction of β-blocker Causes an Initial Increase in Plasma Brain Natriuretic Peptide and N-Terminal Brain Natriuretic Peptide Levels in Patients with Stable Systolic Heart Failure, 2788
- Long-term Effectiveness and Cost-Effectiveness of Disease Management Programs in Congestive Heart Failure: A Decision-Analytic View, 2968
- Low Molecular Heparin Treatment Improves Clinical Outcomes of Patients with Inflammatory Dilated Cardiomyopathy, 2795
- Noninvasive Pressure Preset Ventilation for the Treatment of Heart Failure with Central Sleep Apnea Not Responding to Continuous Positive Airway Pressure, 1749
- Predictors of Long-Term Mortality in Patients with Infective Endocarditis (IE): A Propensity Score Analysis, 2640
- Preoperative Clinical Presentation Is The Main Predictor Of In-Hospital Death For Surgical Patients With Acute Type A Aortic Dissection, 2750 Racial Disparities in Depression Recognition among Patients with Acute
- Coronary Syndrome, 3033

  Rapid Titration of Carvedilol in Patients with CHF: A Randomized Trial of Automated Telemedicine Versus Frequent Outpatient Clinic Visits, 2966
- Automated Telemedicine Versus Frequent Outpatient Clinic Visits, 29c Survival Patterns in Conservatively Treated Patients With Severe Aortic Stenosis: Prognostic Variables in 457 Patients, 2555
- Traditional Predictors of Adverse Outcome Are Modified in a Comprehensive Heart Failure Management Program, 2973

Use of Evidence-Based Therapies in Patients with Chronic Kidney Disease Presenting with Acute Coronary Syndrome and Its Impact on Clinical Outcomes, 2678 A

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Using Computer Technology to Improve Secondary Risk Reduction in Patients with Diabetes, 3638

#### **Diuretics**

- Clinical Outcomes in Participants with Cardiovascular Dysmetabolic Syndrome in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial, 3681
- Conivaptan, a Novel V<sub>1A</sub> and V<sub>2</sub> Antagonist, Increases Serum Sodium and Effective Water Clearance in Patients with Hyponatremia, 3345
- Effect of Diuretic Therapy on Exercise Capacity in Patients with Chronic Angina and Preserved Left Ventricular Function , 2541
- Effect of Spironolactone on Myocardial Fibrosis in Murine Chronic Myocarditis, 2803
- Effects of Tolvaptan (OPC-41061), a Vasopressin V2 Receptor Antagonist, and Furosemide on Hemodynamics, Renal Functions, Serum Electrolytes, and Neurohormones in Dogs With and Without Heart Failure, 93
- Efficacy of the Vasopressin V<sub>1</sub>,√V₂ Antagonist Conivaptan in Patients with Euvolemic or Hypervolemic Hyponatremia, 3347
- EUPHORIA Trial: Early Ultrafiltration in Patients with Decompensated Heart Failure and Observed Resistance to Intervention with Diuretic Agents, 2259
- Long-Term Effect of Diuretic-Based Therapy in Subjects with Isolated Systolic Hypertension With and Without Diabetes:Fourteen-Year Follow-up of the Systolic Hypertension in the Elderly Program, 2042
- Follow-up of the Systolic Hypertension in the Elderly Program, 2042 Novel Vasopressin V<sub>1A</sub> and V<sub>2</sub> Antagonist (Conivaptan) Increases Serum Sodium Concentration and Effective Water Clearance in Patients with Hyponatremia. 3346
- Timed Recumbency and Loop Diuretic Dosing on Urinary Sodium Excretion in Heart Failure, 3343

### Doppler ultrasound

- Left Ventricular Long Axis Function Shows an Atypical Allometric Scaling to Ventricular Size, 2758
- The Waveform Index of Ophthalmic Artery can Predict the Impaired Coronary Flow Reserve, 1792
- A Multicenter Cardiac Echo Doppler Study in 589 Patients with Systemic Sclerosis, 3301
- A Novel Doppler Time Index for Assessment of Left Ventricular Filling Pressures in Patients with Mitral Stenosis and Prosthetic Mitral Valves, 3314
- A Semi-Automatic Real-Time Three-Dimensional Digital Doppler Method For Measurement Of Flow Volumes In Children: A Validation Using Cardiac Magnetic Resonant Imaging, 2650
- An In Vitro Study of the Accuracy of Computing Laminar Flow Stroke Volumes Using a Newly Developed Live 3D Color Doppler Ultrasound System, 3043
- Angiotensin-Converting Enzyme Inhibitor Improves Coronary Flow Reserve with a Decrease in Serum Asymmetric Dimethylarginine in Type 2 Diabetes Mellitus: Relevance to Oxidative Stress, 1998
- Aortic Stenosis in Bicuspid Aortic Valves: Further Validation of a new Biphasic Doppler Parameter in a Pediatric Cohort, 3196
- Augmentation of Coronary Flow Reserve in Patients with Type 2 Diabetes Mellitus: Comparison Between Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker, 2002
- Both Ramipril and Telmisartan Reverse Left Ventricular Diastolic Dysfunction in Patients With Type II Diabetes, 3643
- Cardiac Output Computation from Live Three-Dimensional Doppler Echocardiography Derived Data: An in Vivo Animal Study, 3197
- Cardiac Output Computation Using Raw Scanline Data from Live
  Three-Dimensional Doppler Echocardiography: An Animal Study, 2653
  Company Microcirculation is Abnormal in First Degree Belatives of Patien
- Coronary Microcirculation is Abnormal in First Degree Relatives of Patients with Type 2 Diabetes Mellitus, 3636

  Does Flow Reserve by Transthoragin Doppler Echo in the Distal Left
- Does Flow Reserve by Transthoracic Doppler Echo in the Distal Left Anterior Descending Artery Provide Incremental Diagnostic Yield to <sup>201</sup>TI SPECT for Vessel Patency?, 2004
- Does surgery for Discrete Membranous Subaortic Stenosis Affect Aortic Regurgitation?, 3414
  Echocardiographic Middiastolic Wave in the Mitral Inflow Is Associated
- With Adverse Events in Hypertrophic Cardiomyopathy, 2230
- Extensive Ablation During Pulmonary Vein Antrum Isolation Has No Adverse Impact on Left Atrial Function: An Echocardiographic Analysis, 2712
- Gene Expression Profile, Coronary and Peripheral Vascular Function in Spontaneously Hypertensive Rats following Chronic Voluntary Exercise, 344
- Histological Change and Transmural Systolic Function in Adriamycin Cardiomyopathy, 1725
- How Do Caffeine and Tobacco Acutely Alter Arterial Function?, 1789 Improvement in TEI Index Closely Mirrors Reversal of Left Ventricular Dysfunction in Chronic Ischemic Cardiomyopathy, 2945
- Incremental Clinical Value of Changes in the Doppler Myocardial Performance Index During Dobutamine Stress Echocardiography:

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- Association with Neurohormonal Activation, Left Ventricular Remodeling, and Prognosis After Acute Myocardial Infarction, 2401
- Mesenteric Blood Flow Velocities in the Newborn with Single Ventricle Physiology: Modified Blalock-Taussig Shunt vs. Right Ventricle-Pulmonary Artery Conduit, 2083
- Metabolic Syndrome and Subclinical Atherosclerosis in Young to Middle-Aged Adults, 2063
- Midsystolic Drop In Left Ventricular Ejection Velocity In Obstructive Hypertrophic Cardiomyopathy Is Caused By Premature Termination And Dysynchrony Of Longitudinal Contraction. Doppler Flow And Tissue Velocity Study Of The "Lobster Claw Abnormality", 3453 Noninvasive Detection of Severe Stenosis and Total Occlusion in Left
- Anterior Descending and Right Coronary Artery with Transthoracic Doppler Echocardiography, 3306
- Prediction of Left Ventricular Remodeling in Patients With TIMI 3 Flow: Analysis Using Transthoracic Color Doppler Echocardiography, 2657
- Prognostic Implication of the Tissue Doppler Imaging Analysis in Patients with Ischemic Heart Disease, 2569
- Real-Time Dynamic Three-Dimensional Color Flow Doppler Assessment of Mitral Regurgitation, 2655
- Right Ventricular Dysfunction in Hypertrophic Cardiomyopathy: Prognostic Significance of Doppler-Derived TEI Index, 3145
- Successful Electrical Cardioversion of Atrial Fibrillation Increases Coronary Artery Flow, 2227
- Tissue-Level Perfusion Predicts Remote Clinical Outcomes More Accurately than Relaxation Abnormality in Patients with Myocardial Infarction, 3316
- Transthoracic Doppler Echocardiographic Assessment of Left Anterior Descending Artery and Intramyocardial Artery Predict Left Ventricular Remodeling Following Acute Myocardial Infarction, 2658

## Dose-response relation, drug

- A Common Antitussive Drug, Clobutinol, Precipitates the Long-QT2 Syndrome, 73
- Aspirin Resistance Is Associated With Markers of Platelet Activation and Is Not Accounted For By Noncompliance Or Aspirin Underdosing, 1032 Cyp2C9 Genotyping Predicts Warfarin Dose and Allows for Quantitative
- Anticoagulant Dosing Algorithms, 3424 Effect of Nitric Oxide Synthase Inhibition on Hemodynamics and Outcome of Patients with Acute Myocardial Infarction Complicated By
- Cardiogenic Shock: A Phase 2 Dose-Ranging Study, 1949 Increasing Statin Dose is Associated With a Stepwise Decline in Long-Term All-Cause Mortality, 3783
- Intrarenal Bolus Dopamine Induces Maximum Increase in Renal Blood Flow Following Varying Hyperemic Stimuli in Humans, 2853
- Pantoprazole Induces A Dose-Dependent And Reversible Depression Of Contractile Function In Human Myocardium, 141
  Recombinant Human Erythropoietin (rhEPO) to Reduce Acute Experimental
- Myocardial Infarction: Therapeutic Window and Dose Responses in
- Soluble Fiber Supplementation With Psyllium is as Effective as Doubling the Dose of Simvastatin in Lowering ApoB and LDL Cholesterol, 3831

- 2-Methoxyestradiol Mediates Protective Effects of Estradiol in
- Monocrotaline-Induced Pulmonary Hypertension., 78
  A Randomized Comparison of a Sirolimus- With a Paclitaxel-Eluting Stent For Coronary Revascularization: The SIRTAX Trial, 2626
- Acetylcholinesterase Inhibition Decreases Orthostatic Tachycardia in the Postural Tachycardia Syndrome, 2169 Acetylcysteine Prevents Contrast-Induced Nephropathy In Patients
- Undergoing Coronary Angiography Using Low-Osmolar Contrast Media But Not In Patients Submitted To Iso-Osmolar Contrast Media - A Meta-Analysis, 1794
- Addition Of Vasopressin To Epinephrine Does Not Increase Diastolic Blood Pressure During Cardiopulmonary Resuscitation In Human Cardiac Arrest, 1643
- Administration of a CO-Releasing Molecule at the Time of Reperfusion Reduces Infarct Size in a Conscious Rabbit Model, 231
- Beneficial effect of Thalidomide in Heart Failure, 3349
- Can Stent/Lesion Length Ratio Influence the Edge Effect After Implantation of Drug-Eluting and Non-Eluting Stents? A Volumetric Intravascular Ultrasound Study, 3395
- Continuation or Initiation of Cardiac Medications after AMI: It Depends... 3715
- Daclizumab versus No Induction Therapy, In Combination with Cyclosporine Microemulsion, Mycophenolate Mofetil, and Corticosteroids, Is Associated With Decreased Acute Rejection in Cardiac Transplant Recipients and No Observed Increase in Mortality, 3479
- Development of a Novel Drug-Coated Stent Using Curcumin as the Antiprolirerative Drug, 2868
- Development of a Novel Microbubble Agent for Ultrasound-Mediated Targeted Drug Delivery, 2395
- Dipyridamole Reduces but Nicorandil Augments Subendocardial Blood Flow in the Territory Perfused by Stenotic Coronary Artery, 2222

- Doxorubicin-induced Degradation of Transcription Factor GATA4 Is Mediated by the Ubiquitin-Proteasome System, 637
- Drug-eluting Stent Thrombosis Is Related to Stent Length: Results from a Meta-analysis Including 10 Studies, 3184
- Electrophysiological Properties of an Atrial Selective Antiarrhythmic Agent, RSD1235, in Humans, 2172
- Factors Associated with Underuse of Cardiac Medication after AMI, 3714 Imatinib (Gleevec®) Attenuates Transition to Left Ventricular Dysfunction in Hypertensive Homozygous Ren2 Rats, 98
- Immunotargeting of Tissue Type Plasminogen Activator to Circulating Red Blood Cells, 705
- Individualized Drug-Eluting Stent System to Abrogate Restenosis (ISAR): Preclinical Results on Feasibility, Safety, and Efficacy of a Novel Drug-eluting Stent System that Uses On-site, Polymer-free Rapamycin Coating, 1832
- Inhibition of Mammalian Target of Rapamycin Signaling Regresses Established Cardiac Hypertrophy Induced By Pressure Overload, 604 Initiation of Carvedilol before ACE-Inhibitor Therapy for the Treatment of Heart Failure: Impact on Plasma NT-proBNP, 2262
- Levosimendan Improves Postresuscitation Myocardial Function in a Porcine Model of Cardiac Arrest and Resuscitation, 1856
- Long-term Aldosterone Synthase Inhibition Improves Cardiac Function and Myocardial Structure in Chronic Heart Failure, 2407
- Opposing Effects between Short-term Combined Transdermal Estradiol/noretisterone and Oral Raloxifene Treatment upon C-Reactive Protein and Antibodies against oxidized LDL (oxLDL) and heat shock
- proteins (hsp), 1500 Pharmacy Costs Related to Overweight and Obesity in Healthy Middle-Aged Men, 3554
- Preprocedual Statin Administration Reduces Acute Phase Reaction after Stent Implantation, 3265
- Prothrombotic Mutations, Hormone Therapy, and Venous Thromboembolism: Is Transdermal Estrogen Safe?, 3724
- Rapamycin Prevents Accumulation of Bone Marrow-Derived Vascular Smooth Muscle Cells Within the Neointima., 258
- Rho-kinase in Pulmonary Hypertension, 1415
- Selective ET-A Receptor Antagonism preserves GFR in a Canine Model of Cardiorenal Syndrome, 1111
- Small Molecule CXCR4 antagonist Accelerates Reendothelialization by Mobilization of Bone Marrow-Derived Endothelial Progenitor Cells, 153 SPIRIT FIRST Clinical Trial: A 180-Day Clinical Evaluation of the Guidant Multi-Link Vision® Everolimus-Eluting Coronary Stent System in the Treatment of Patients with de novo Native Coronary Artery Lesions,
- 2629 The Association of Intravenous Morphine Use and Outcomes in Acute Coronary Syndromes: Results from the CRUSADE Quality Improvement
- Initiative, 3056
  The Use of Transdermal Nicotine Patches in Smokers Admitted with Acute Coronary Syndromes, 3235
- Thrombosis after Drug-eluting versus Bare-metal Stent Implantation: A Meta-analysis from 10 Randomized Trials Including 5030 Patients, 3181 WAY-197697, a P-selectin Antagonist, Reduces Atherosclerosis and Intimal Hyperplasia in Animal Models of Vascular Disease, 845

# **Drug interactions**

- β<sub>3</sub>-Adrenergic Receptor Blockade Enhances Cardiac Positive Inotropic and Lusitropic Responses to Dobutamine in Heart Failure: Assessment by Pressure-Volume Analysis, 2035
- Alcohol Consumption and Safety of Lovastatin and Warfarin in the Post-CABG Trial, 3718
- Impact of Cyclooxygenase-2 Inhibition on Outcomes in the Setting of Percutaneous Coronary Intervention, 2859
- Pharmacodynamic Interaction of Naproxen with Low-Dose Aspirin in Healthy Subjects, 1031
- Report on 141 Hypersensitivity Cases Associated with the CYPHER Sirolimus-Eluting Cardiac Stent, 2470
- S-Nitrosoglutathione Does Not Reproduce In Vivo Positive Inotropy Induced by Nitroxyl Donors, 142

- Echocardiography
  11βHSD1 -/- Mice Have Enhanced Angiogenic Response And Improved Myocardial Function Following Coronary Artery Ligation, 1275
  - 3-Dimensional Echocardiography Reveals Symmetric Mitral Annular
- Dilatation With Increasing Severity of Mitral Regurgitation, 3044 3D Echocardiographic Assessment of Mitral Regurgitation: A Novel, Rapid, and Reproducible Method of Quantification, 3122
- A Bradycardic Agent, Cilobradine, improves Left Ventricular Function in Dogs with Coronary Embolization-Induced Heart Failure, 2794
- A Multicenter Cardiac Echo Doppler Study in 589 Patients with Systemic Sclerosis, 3301
- A New High-Frequency Intracardiac Imaging Technology with Improved Resolution and Steerability Facilitates Motion Mapping and EP Electrodes for Rhythm Analysis, 3310

  A New Locus for Autosomal Dominant Mitral Valve Prolapse on
- Chromosome 13: Clinical Lessons, 1605

- A New Simplified Technique To Improve Accuracy Of Mitral Regurgitation Quantification By Real Time 3D Echocardiography Mapping Of The Proximal Flow Convergence Region, 3446
- A Novel Doppler Time Index for Assessment of Left Ventricular Filling Pressures in Patients with Mitral Stenosis and Prosthetic Mitral Valves 3314
- A Novel Left Ventricular Passive Support Device Alters the Natural History of Chronic Heart Failure in Awake Dogs, 3370
- A Randomized Trial Comparing Stentless Bioprosthetic Valves with Stented Valves in the Aortic Position (ASSERT), 2556
- A Two-year Exercise Program in CHD Patients Improved Physical Performance without Inducing Left Ventricular Remodeling, 3825 Accuracy of Determining Ventricular Volume and Mass Validation for Live
- 3D Echocardiography: A Dynamic In Vitro Model, 2651 Accuracy of Noninvasive Monitoring of Coronary Flow Velocity Reserve with Transthoracic Echo-Doppler in Detecting Coronary Restenosis After
- Successful Coronary Angioplasty: a Multicenter Study, 2404 Acute Hemodynamic Benefits of Biatrial Atrioventricular Sequential Pacing with the Optimal Atrioventricular Delay: Comparison with Single Atrial Atrioventricular Sequential Pacing, 3254
- Alterations of Left Ventricular Function in Hypertensive Pregnant Women, 3376
- Altered Coronary Microvascular Function and Peripheral Endothelial Dysfunction in Young Patients with Systemic Lupus Erythematosus.
- An Abbreviated Anticoagulation Strategy is Safe and Effective in Patients Undergoing Transesophageal Echocardiographic-Guided Direct Current Cardioversion, 1892
- An Unusual Presentation of a Cardiac Metastasis, 2005
- Aortic Stenosis in Bicuspid Aortic Valves: Further Validation of a new Biphasic Doppler Parameter in a Pediatric Cohort, 3196
- Aortic Valve Replacement Improves Survival In Patients With Severe Aortic Stenosis Associated With Severe Pulmonary Hypertension , 2557
- Application Of A Novel Automatic Tissue-Tracking System To Detect Left Ventricular Segments With Perfusion Abnormality: Comparison With Thallium-201 Single-Photon Emission Computed Tomography, 3307
- Are Vasodilators Beneficial to Severe Asymptomatic Aortic Regurgitation?, 3452
- Assessment of Systolic Asynchrony by Tissue Synchronization Imaging is a Useful Tool to Predict Responders of Cardiac Resynchronization Therapy, 2025
- Assessment of the Effect of Cardiac Resynchronization Therapy on Intra-Ventricular Mechanical Asynchrony by Regional Volumetric Changes: A New Method Using 3-Dimensional Echocardiography, 3123
- Asymptomatic Diastolic Left Ventricular Dysfunction: Preliminary Results Of The DAVES Study (Disfunzione Asintomatica Del Ventricolo Sinistro) By The Italian Society Of Cardiovascular Echography (SIEC), 2232
- B-Type Natriuretic Peptide Levels in Patients with Multiple Comorbidities do Not Correlate with Clinical and Hemodynamic Assessment of Volume Overload, 1761
- BNP as a Marker of Diastolic Dysfunction in the General Population: Importance of Left Ventricular Hypertrophy, 3743
- Brachial Artery Vasodilator Function and Systemic Inflammation in the Framingham Offspring Study, 375
- Cardiac Abnormalities as a New Manifestation of Nonalcoholic Fatty Liver Disease (NAFLD), 3296
- Cardiac Involvement In Female Carriers Of Duchenne And Becker Muscular Dystrophy, 1727
- Cardiac Remodeling and Clinical Effects of Recombinant Human Acid α-Glucosidase Enzyme Replacement Therapy for Infantile Glycogen Storage Disease Type II, 2880
- Cardiac-Restricted Overexpression of the a1A-Adrenergic Receptor Preserves Contractile Function and Limits Ventricular Remodeling After Myocardial Infarction, 1436
- Cardiomyocyte-Restricted Overexpression of NOS3 Prevents Endotoxin-Induced Myocardial Dysfunction in Mice, 1600
- Cardiovascular 3D MRI Assessment of Diastolic Dysfunction: A Comparision with Echocardiography, 2962
- Circulating Microparticles are Increased in Patients with Atrial Fibrillation and Reduced Left Atrial Appendage Velocity, 1891
- Clinical and Echocardiographic Risk Factors for Congestive Heart Failure in Controlled Hypertensive Patients with Electrocardiographic Left Ventricular Hypertrophy (the LIFE Study), 3160
- Clinical Assessment of the Positive Inotropic Effect of Prostacyclin Analogs in Patients with Pulmonary Arterial Hypertension: An Ultrasonic Strain/Strain Rate Study, 3309
- Clinical Validation of Automated Computer Analysis of Left Ventricular Functions Using Real-Time Three-Dimensional Echocardiography , 2649
- Combined Ventricular Systolic and Arterial Stiffening in Patients with Concentric Remodeling and Preserved Systolic Function, 3141
- Comparison of Angiogenic Property Between Bone Marrow- and Peripheral Blood-derived Mononuclear Cells in Ischemia-Reperfusion Infarct Model: Evaluation by Myocardial SPECT and Echocardiography Compared with Histological Study, 2845

Concordance of Left Ventricular Pacing Site to Region of Maximal Delay in Myocardial Velocities by Tissue Synchronization Imaging Predicts Left Ventricular Reverse Remodeling after Cardiac Resynchronization Therapy, 3353

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- Coronary Flow Reserve by Contrast-Enhanced Transthoracic Echocardiography: a New Noninvasive Predictor of Cardiac Allograft Vasculopathy, 2720
- Coronary Microcirculation is Abnormal in First Degree Relatives of Patients with Type 2 Diabetes Mellitus, 3636
- Delayed Heart-rate Recovery is Associated with Subclinical Left Ventricular Dysfunction and Impaired Exercise Capacity in Diabetic Patients, 2295 Detection of Construction Errors in Ex Vivo Coronary Artery Anastomoses
- by 13-MHz Epicardial Ultrasound: Comparison to Angiography , 2207 Detrimental Ventricular Remodeling in Patients with Congenital Complete Heart Block and Chronic Right Ventricular Apical Pacing, 3632
- Development of a Novel Microbubble Agent for Ultrasound-Mediated Targeted Drug Delivery, 2395
- Diagnosis of Diastolic Dysfunction Using Intracardiac Ultrasound of Pulmonary Vein Flow in Patients Undergoing Ablation: Relationship to Success of Procedure, 1672
- Dipyridamole Reduces but Nicorandil Augments Subendocardial Blood Flow in the Territory Perfused by Stenotic Coronary Artery, 2222
- Direct Evidence that Cytokine-Mobilized Bone Marrow-Derived Cells Regenerate Cardiac Tissue and Improve Left Ventricular Function in Chimeric Mice, 817
- Divergent Effects of a Nox2-containing NADPH Oxidase on Cardiac Contractile Function and Hypertrophy after Imposition of Chronic Pressure Overload, 633
- Does Gastric Bypass Surgery Decrease Cardiac Risk Factors in Morbidly Obese Young Patients?, 3543
- Does Intraoperative TEE Underestimate Ischemic Mitral Regurgitation?Importance of Intraoperative Loading Conditions When Assessing the Mitral Valve, 3042
- Doppler-derived Election Intraventricular Pressure Gradients Provide a Reliable Assessment of Left Ventricular Contracility, 1997
- Drag-Reducing Polymers Increase Capillary Volume and Improve Coronary Flow Reserve During Coronary Stenosis, 3462
- Dynamic Change in Mitral Annular Geometry During a Cardiac Cycle in Patients with Ischemic and Dilated Cardiomyopathy: A Novel Computerized 3D Echo Method, 3037
- Echocardiographic Assessment of Conjoined Twins, 3194 Echocardiographic Assessment of Dyssynchrony in Normal Patients: Current M-mode and Tissue Doppler Cutoff Values May Yield a High
- Rate of False-Positives Unless Used in Combination, 3126 Echocardiographic Assessment of End-Diastolic Wall Thickness Can Be Used as a Marker of Reperfusion in Transmural and Partial-Thickness Infarcts, 3298
- Echocardiographic Assessment of Left Ventricular Recovery during Mechanical Unloading to Predict Long-term Stability of Cardiac Function after Weaning from Assist Devices, 1999
- Echocardiographic Assessments of Murine Heart Failure Model Induced by High-Intensity Focused Ultrasound Ablation, 3299
- Echocardiographic Markers of Myocardial Viability and Reperfusion -Combined Assessment of Segmental Lengthening/Shortening Ratio and Regional Compliance by Strain Doppler Echocardiography, 3129
- Echocardiographic Natural History of Cardiac Fabry Disease. Disappearance of Basal Posterior Hypertrophy Precedes End-Stage Congestive Heart Failure, 2772
- Effect of Alteration of Left Ventricular Activation Sequence on the Left Ventricular Torsional Deformation in Anesthetized Closed-chest Dogs.
- Effect of Cardiac Resynchronization Therapy on the Left Ventricular Torsional Deformation in Patients with Dilated Cardiomyopathy, 3251
- Effect of High Voltage Stimulation on Left Ventricular Torsional Deformation in Patients with Dilated Cardiomyopathy, 3250 Effect of Sequential Biventricular Pacing on Interventricular Asynchrony,
- Endothelial Function Correlates with Circulating Progenitor Cell's Ability of Differentiation: Initial Marker of Atherosclerosis in Young Healthy Men?,
- Enhanced Pressure Wave Reflection Induces Concentric Left Ventricular Hypertrophy in Hypertension, 3381
- Ethnic Variation in Diastolic Function in a Hypertensive Population, 2233 Ethnicity, Body Composition and Heart Size: The Relationship Between Left Ventricular Mass and Fat-Free Mass in Caucasian, Maori, and Samoan Subjects, 3365
- Evaluation for Second Stage Palliation Following the Norwood Procedure: Right Ventricle to Pulmonary Artery versus Modified Blalock-Taussig Shunt, 2477
- Exercise Echocardiography: New Investigation to Select Heart Failure Patients for Biventricular Pacing, 2021
- Exercise Training Attenuates Aging-Related Left Ventricular Systolic
- Dysfunction in Mice: A Strain-Rate Study, 3313
  Exercise Training Improves Left Ventricular Diastolic Function and Increases Vascular Structure in Elite Athletes, 2608

- Extensive Ablation During Pulmonary Vein Antrum Isolation Has No Adverse Impact on Left Atrial Function: An Echocardiographic Analysis, 2712
- Extra-Aortic Balloon Counterpulsation: An Intraoperative Feasibility Study, 3291
- Factors Affecting Survival In 969 Patients With Chronic Severe Mitral Regurgitation and Left Ventricular Ejection Fraction

30%: Role For Mitral Valve Surgery, 1988

- Feasibility of a Structured Training Program for General Practitioners Enabling Performance and Interpretation of Handheld Echocardiography and a BNP Bedside Test for Heart Failure Diagnosis, 3303
- Feasible and Accurate Assessment of Myocardial Ischemia by Dobutamine Stress Echocardiography with New Real-Time Three-Dimensional; Comparison with Exercise Thallium-201 Single-Photon Emission Computed Tomography, 2220
- Four-Dimensional Left Ventricular Tissue Doppler and Anatomical Gray-Scale Fusion Imaging During Sinus Rhythm and Cardiac Pacing, 1661
- Functional Border Zone in Acute Myocardial Ischemia: Assessment by Tissue Strain and Myocardial Contrast Echocardiography, 3321
- Gene Expression Profile, Coronary and Peripheral Vascular Function in Spontaneously Hypertensive Rats following Chronic Voluntary Exercise, 344
- Head-to-Head Comparison of Tissue Doppler Imaging and Direct Coronary Flow Measurement for Prediction of Functional Recovery After Primary Percutaneous Coronary Angioplasty in Patients with Acute Anterior Wall Myocardial Infarction, 2656
- High-Resolution In Vivo Microimaging Echocardiography Provides Enhanced Cardiac Detailing in Mice , 1724
- Hypertrophic Cardiomyopathy in the Elderly: A New Look in the Genetic Era. 3369
- Identification of Risk Area and Infarct Zone Myocardium from the Contrast
  Hyperenhancement Visualized After Occlusion/Reperfusion using
  Delayed Imaging and Exposure to High-Energy Ultrasound, 3317
- Delayed Imaging and Exposure to High-Energy Ultrasound, 3317 Imaging and Pathologic Characteristics of Left Ventricular Thrombus: A Comparison of Contrast-Enhanced Magnetic Resonance Imaging, Transthoracic Echocardiography and Transesophageal Echocardiography with Surgical or Pathologic Validation, 1911
- Immediate Impairment of Left Ventricular Mechanical Performance And Force-Frequency Relation by Rate-responsive Dual-chamber, but not Atrial Pacing: Implications from Isovolumic Relaxation Flow Investigation, 2086
- Impact of Atrioventricular Compliance on Left Atrial and Pulmonary Arterial Pressures in Patients with Severe Mitral Stenosis, 3039
- Impact of Autograft Implantation Technique on Left Ventricular Remodeling after the Ross Procedure: Subcoronary Technique vs. Root Replacement, 2553
- Impact of Changes in Left Ventricular Geometry Over Time on All-Cause Mortality, 3144
- Impact of Maze Operation Combined with Left-sided Valve Surgery on the Change in Tricuspid Regurgitation over Time, 1716
- Impact of Microbbuble Shell and Mode of Contrast Administration on Microvascular Integrity and Myocardial Function During Contrast Echocardiography, 3463
- Impairment of Primary Hernostasis (Type IIa von Willebrand Syndrome) in Obstructive Cardiomyopathy: Close Correlation with the Severity of Obstruction, 3626
- Importance of Biplane Measurement of Proximal Jet Width for Estimation of Severity of Mitral Regurgitation: Implications to Mitral Regurgitation Etiology, 3041
- Improvement Of Left Ventricular Diastolic Function After Septal Surgical Myectomy Or Percutaneous Transcoronary Septal Alcohol Ablation In Patients With Hypertrophic Obstructive Cardiomyopathy, 3362
- In Vivo Validation of Quantitative Evaluation of Myocardial Perfusion from Image Sequences of Transient Contrast Inflow, 3322
- Increased SERCA Function is Deleterious in A Mouse Model Of Heart
- Incremental Prognostic Value of Brain Natriuretic peptide (BNP) in Predicting Ischemia on Dobutamine Stress Echocardiogram, 2405
- Incremental Value of Myocardial Microvascular Abnormalities and Left Ventricular Systolic Strain Rate in Predicting Cardiac Events in Patients With Dilated Cardiomyopathy, 2565
- Inducible Cardiac Restricted Expression of Enteroviral Protease 2A is Sufficient to Cause Dilated Cardiomyopathy with Disruption of Dystrophin, 1093
- Inhibition of Endogenous Mst1 Prevents Apoptosis, Cardiac Remodeling, and Cardiac Dysfunction After Myocardial Infarction, 299
- Insights into Normal Atrioventricular Valve Junction Motion in Pediatrics: A Real-Time Three-Dimensional Echocardiographic Study, 2652
- Intensive Lipid-Lowering Therapy Does Not Halt The Progression Of Calcific Aortic Stenosis, 3284
  Intracardiac Ultraound Imaging of the Left Atrium: Comparative Study of
- Intracardiac Ultrsound Imaging of the Left Atrium: Comparative Study of Imaging from Within the Right Atrium versus the Left Atrium, 1784

- Intraventricular Mechanical Dyssynchrony in Health and Disease: A Real-Time 3D Echocardiographic Study, 3124
- Intraventricular Mechanical Dyssynchrony is Associated with Symptomatic Improvement in Cardiac Resynchronisation Therapy: The Emerging Role of Real-Time 3D Echocardiography, 3355
- Is Myocardial Performance Index Better Than Classic Echocardiographics Markers of Mortality in Children with Idiopathic Dilated Cardiomyopathy?, 2000
- Lack of Left Ventricular Dilatation Is A Marker Of Increased Mortality In Patients With Chronic Severe Mitral Regurgitation and Normal Ejection Fraction, 3448
- Learning From a Population-based Peripartum Cardiomyopathy Registry, 3364
- Left Atrial Volume Index Necessary for the Sustenance of Sinus Rhythm in Patients with Severe Mitral Regurgitation, 3036
- Left Atrial Volume Predicts Atrial Fibrillation After Cardiac Surgery, 1890 Left Atrium Volume Predicts Recurrence Of Atrial Fibrillation in Patient Undergoing Pulmonary Vein Antrum Isolation, 1889
- Left Bundle Branch Block in Congestive Heart Failure: Impact on Diastolic Function, Filling Pressures, and B-Type Natriuretic Peptide Levels, 2237
- Left Ventricular Geometry Predicts Mortality in Elderly With Preserved Systolic Function: An Echocardiographic Study in 9771 Patients Over 70 Years Old. 2420
- Left Ventricular Hypertrophy is Associated with Normal Segmental Wall Motion at the Site of Myocardial Infarction, 1995
- Left Ventricular Mass Versus Relative Wall Thickness for Predicting Mortality in Patients with Preserved Systolic Function – An Echocardiographic Study in 35,607 Patients, 2229
- Left Ventricular Noncompaction Cardiomyopathy In Children: Characterization Of Clinical Status Using Tissue Doppler-Derived Indices Of Left Ventricular Diastolic Relaxation, 2236
- Left Ventricular Regional Electromechanical Patterns during Left-, Right-, and Biventricular Pacing in A Dog Model of Congestive Heart Failure Derived by Tissue Doppler Imaging, 2942
- Left Ventricular Thrombus Formation in Patients with Acute Myocardial Infarction Complicated by Cardiogenic Shock: Incidence, Predictors, and 1-Year Outcome, 3297
- Local Displacement and Asymmetrical Deformation of Mitral Annular Geometry in Ischemic Mitral Regurgitation: A Novel Computerized 3D Echo Method, 1991
- Long Term Effects of Gastric Bypass Surgery on LV Structure and Function, 3557
- Long-term but not short-term p38 MAPK inhibition improves cardiac function and reduces pathological collagen deposition following myocardial infarction in rats., 1278
- Long-Term Inhibition of NF-kB Activation Ameliorates Left Ventricular Remodeling after Myocardial Infarction, 117
- Remodeling after Myocardial Infarction, 117
  Longitudinal Myocardial Strain and Strain Rate Changes Six Months after
  Intracoronary Autologous Bone Marrow Stem Cell Infusion, 2564
- Loss of c-kit Receptor Function in Cardiac Stem Cells Leads to Premature Myocardial Aging and Impaired Myocyte Regeneration in the W/W/ Mouse, 315
- Magnetic Resonance Imaging in the Assessment of Aortic Valve Area and LV function: Comparison to TTE and TEE , 2665
- Measurement of Left Ventricular Volume Throughout the Cardiac Cycle from Real-Time 3D Echocardiographic Images: Comparison with Cardiac Magnetic Resonance, 2759
- Mechanism of Ischemic Mitral Regurgitation Following Annuloplasty: Importance of Posterior Mitral Leaflet Tethering, 3292
- Midsystolic Drop In Left Ventricular Ejection Velocity In Obstructive Hypertrophic Cardiomyopathy Is Caused By Premature Termination And Dysynchrony Of Longitudinal Contraction. Doppler Flow And Tissue Velocity Study Of The "Lobster Claw Abnormality", 3453
- Myocardial Contrast Echocardiography Provides Superior Information Compared With the TIMI Score in Patients Presenting to the Emergency Department with Suspected Cardiac Chest Pain and a Nondiagnostic Electrocardiogram, 1606
- Myocardial Delivery of Nanoparticles by Ultrasound-Targeted Microbubble Destruction. Is Transient Dysfunction the Price to Pay ?, 2387
- Myocardial Diastolic Dysfunction in Aortic Stenosis Assessed by A N Method Using Transmural Myocardial Strain Profile, 1730
- Myocardial Perfusion Imaging and Quantification Using Interrupted Contrast Infusion, 3318
- Myocardial Strain Decreases With Transmurality of Infarction: An Echo Strain and MRI Correlation Study, 3130
- N-Terminal Pro-Brain Natriuretic Peptide Correlates with Left Atrial Volume Index and Functional Parameters in Patients with Symptomatic Diastolic Dysfunction, 2231
- Nasal Continuous Positive Airway Pressure improves Echocardiographic indices of Heart Failure in Patients with Obstructive Sleep Apnea and Heart Failure, 2596
- Neuronal Nitric Oxide Synthase–Deficient Mice Have Increased Mortality and Depressed Cardiac Performance Following Myocardial Infarction. 1603

Tracking Echocardiography, 3125

Noninvasive Detection of Severe Stenosis and Total Occlusion in Left Anterior Descending and Right Coronary Artery with Transthoracic

Doppler Echocardiography , 3306 Noninvasive Parameters of Diastolic Function Reflect Invasively Measured Filling Pressures During Exercise, 2235

Noninvasive Real-time Imaging of Atherosclerosis in Mice Using

Ultrasound Biomicroscopy, 1785
Nonplanarity of the Tricuspid Valve Annulus: Assessment by Real-Time Three-Dimensional Echocardiography, 3045 Novel Echogenic Tissue Plasminogen Activator-Loaded Liposomes for

Site-Specific Thrombolysis, 2390

Optimal Assessment of Right Ventricular Size and Function by Real-time 3D Echocardiography: Comparison to Cardiac Magnetic Resonance Imaging, 2654

Optimization of Windows and Perspectives of Real-Time Three-Dimensional Echocardiographic Evaluation of the Mitral Valve,

Patent Foramen Ovale In Obstructive Sleep Apnoea, 2224 Patients With Minor Elevations In Pulmonary Artery Pressure Have Increased Mortality, 2753

Patterns Of Hemodynamic Responses During Exercise Are Related To Exercise Tolerance In Patients With Severe Mitral Stenosis With Few Or No Symptoms, 3040

Percutaneous Mitral Annuloplasty in Experimental Heart Failure: Acute and Chronic Efficacy and Safety, 2069
Persistent Activation of Calcium-Dependent Signaling Causes

Hyperphosphorylation of Phospholamban and Adrenergic Hyporesponsiveness in Pressure-Overload Hypertrophy, 1267

Phase II Study on the Transplantation of Autologous Bone Marrow for the Enhancement of Cardiac Contractility: Importance of the Mode of Delivery, 2181

Postcardiorespiratory Arrest Echocardiography Variables Predict Outcome After Resuscitation, 2131

Prediction of Improvement of Left ventricular Systolic Function by Myocardial Texture Analysis in Inflammatory Cardiomyopathy, 3300 Prediction of Left Ventricular Remodeling in Patients With TIMI 3 Flow:

Analysis Using Transthoracic Color Doppler Echocardiography, 2657 Predictive Value of Fetal Pulmonary Venous Flow Patterns in Identifying the Need for Urgent Atrial Septoplasty in the Newborn With Hypoplastic

Left Heart Syndrome, 3191
Prevalence and Mechanism of Pulmonary Hypertension in Hypertrophic Cardiomyopathy: An Echo-Doppler Study, 3136

Prevalence and Significance of T-wave Inversions on the 12-Lead ECG in 1400 Junior Elite Athletes Participating in Ball, Racket, and Endurance Sports, 3366

Prevalence of Valvular Heart Disease and Trends with Aging: Data from the National Heart, Lung, and Blood Institute Population-based Studies,

Prevalence, Risk Factors, and Long-Term Outcome Of Patients With Pulmonary Embolism and Persistent Right Ventricular Dysfunction, 2138 Prostaglandins are Involved in the Early Myocardial Protective Effect Observed after Periodic Acceleration-CPR (pGz-CPR), 1632

Quantification of Mitral Regurgitant Volume by Real-Time Three-Dimensional Color Doppler Echocardiography: Validation by the Flow Convergence Method, 3038

Quantification of Myocardial Perfusion Using Real-Time Three-Dimensional Echocardiographic Imaging, 2391

Quantitation of Echocardiographic Abnormalities in Individuals Meeting Task Force Criteria for Arrhythmogenic Right Ventricular Dysplasia, 2418

Quantitative Assessment of Regional Myocardial Function in Mice by Tissue Doppler Imaging: Comparison with Hemodynamics and Sonomicrometry, 2568

Real-time 3D Echo Can Enhance Assessment of the Vena Contracta Width: Overcoming the Problem of Oblique Measurement in Eccentric Jets , 3451

Real-Time Dynamic Three-Dimensional Color Flow Doppler Assessment of Mitral Regurgitation, 2655

Real-time Intracardiac Echocardiographic Monitoring during Circumferential Pulmonary Vein Isolation to identify Acute Pulmonary Vein Narrowing can predict Chronic Stenosis seen by Magnetic Resonance Imaging, 1670

Real-Time Myocardial Contrast Echocardiography, Perfusion Quantitative Analysis, and Heterogeneity in Hypertrophic Obstructive Cardiomyopathy, 3139

Real-time Three-dimensional Echocardiography in Ischemic Mitral Regurgitation, 3121

Redilatation of the Left Ventricle after Successful Aortic Valve Replacement in Patients with Severe Chronic Aortic Regurgitation, 2554 Reduced Coronary and Myocardial Flow In Severe Aortic Stenosis Is

Associated With Increased Myocardial Apoptosis, 3445
Relationship Between Left Ventricular Hypertrophic Remodeling and Serial Changes in Plasma Profiles of Selective Matrix Metalloproteinases and Inhibitors of Matrix Metalloproteinases, 2958

Reverse Left Ventricular Synchrony Is a Potential Mechanism of the Benefit from Dual-Chamber Pacing In Hypertrophic Obstructive Cardiomyopathy, 2944

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Reverse Remodeling in a Novel Rabbit Model of Myocardial Infarction and Biventricular Pacing, 1894

Right Ventricular Dysfunction in Hypertrophic Cardiomyopathy: Prognostic Significance of Doppler-Derived TEI Index, 3145

Right Ventricular Function is an Independent Predictor of Death, Heart Failure and Stroke Following Myocardial Infarction: The VALIANT Echo Study, 2754

Right Ventricular Remodeling following Cardiac Resynchronization Therapy

Role Of Gender, Ovariectomy And Estrogen Replacement On Cardiac

Remodeling And Function After Aortic Stenosis In Rats, 3304 Role of Heart Rate Reserve in Risk Stratification of Patients With Known or Suspected CAD Undergoing Stress Echocardiography, 2294

Role of N-Terminal ProBNP in Risk Assessment and Management of Pulmonary Embolism, 2434

Role of Real-Time Transthoracic 3-D Echocardiography in the assessment of Mechanical Asynchrony, 2941

Serial 3D Echocardiography of Postinfarct Remodeling in the Mouse Model of Myocardial Infarction, 2756

Strain Rate Can Accurately Predict a More Aggressive Cardiac Involvement in Asymptomatic Patients with Duchenne Muscular Dystrophy, 2562

Successful Electrical Cardioversion of Atrial Fibrillation Increases Coronary Artery Flow, 2227

Survival Patterns in Conservatively Treated Patients With Severe Aortic Stenosis: Prognostic Variables in 457 Patients, 2555

Synectin Gene Disruption Produces Global Vascular Defects that Associate with Impaired Cardiac Function in Adult Mice, 822

Tako-Tsubo-Like Transient Left Ventricular Dysfunction: Prevalence and Clinical Findings in a Western Population, 3225

Targeted Ultrasound Imaging of Apoptosis in Acute Myocardial Injury with Annexin-A5 Microspheres, 2386

The Arg389Gly β<sub>1</sub>-adrenoceptor Gene Polymorphism Determines Contractile Response to Catecholamines and Responsiveness to B-blockers in Humans, 953

The Diagnostic Accuracy of an Echocardiographic Estimate of Pulmonary Vascular Resistance in Pre-Liver Transplant Patients, 2757

The Incremental Prognostic Significance Of Restrictive Filling Pattern In Hypertrophic Cardiomyopathy: A Doppler Echocardiographic Study, 2238

The Location Of Aortic Atherosclerosis Is A Better Predictor Of Late Stroke Than Its Extent, 2273

Thrombolysis using High Intensity Focused Ultrasound, 3311 Tissue Doppler Indices of Dyssynchrony Correlate with Each Other only in the Absence of Postsystolic Shortening: Clinical Implications for the Identification of Responders to Cardiac Resynchronization Therapy, 1733

Tissue Strain Imaging Identifies Dose-Dependent Myocardial Damage by Anthracycline Cardiotoxicity, 1728

Torsion-volume Loop Analysis for Assessment of Left Ventricular Active

Relaxation, 2234 Transcatheter Closure of Interatrial Defects in Patients With Pulmonary Hypertension, 3024

Transcutaneously Measured Viscoelasticity of Myocardium Rapidly Decreases at the Beginning of Diastole, 1729

Transthoracic Doppler Echocardiographic Assessment of Left Anterior Descending Artery and Intramyocardial Artery Predict Left Ventricular Remodeling Following Acute Myocardial Infarction, 2658

Ultrasonic Incision without Direct Tissue Contact - High Intensity Focused Ultrasound -, 3312

Ultrasonic Strain Rate Imaging can Predict the Recovery of Function after Acute Myocardial Infarction and Assess the Transmurality of Scar in Chronic Infarctions, 2563

Usefulness of Radial Tissue Strain Imaging to Predict Acute Response and Quantify Improvement of Mechanical Dyssynchrony to Cardiac

Resynchronization Therapy, 2943 Utility of Echo-Doppler and BNP in Determining Hemodynamic Profile in Chronic Heart Failure Patients, 3302

Ventricular and Atrial Response to Terbutaline Differs Between Left Atrial Isomerism and Immune-mediated Fetal Complete AV Block, 2335

Why Does Left Ventricular Endocardial Strain Reach around 100% at End-systole although Sarcomeres of Myocardial Fibers Contract up to Only 20%?, 3127

# **Ejection fraction**

Preoperative Prediction of Long-Term Survival Following Coronary Artery Bypass Grafting in Patients with Low Left Ventricular Ejection Fraction: The HAVOC Score, 1986

Acute and Reversible Left Ventricular Dysfunction Provoked by Psychological Stress (Tako-tsubo Syndrome) in U.S. Women: A Novel Cardiomyopathy, 2807

- B-Type Natriuretic Peptide Levels in Patients with Multiple Comorbidities do Not Correlate with Clinical and Hemodynamic Assessment of Volume Overload, 1761
- Concurrent Treatment With Eplerenone and Standard HF Therapy Reduces the Duration of Heart Failure Hospitalization in Patients with Post Acute Myocardial Infarction Heart Failure, 2433
- Coronary Artery Bypass Grafting in patients with Low Ejection Fraction, 2926
- Effects of Emergency Intracoronary Transplantation of Mononuclear Bone Marrow Cell on Left Ventricular Function in Patients with Acute
- Myocardial Infarction, 3230
  Factors Affecting Survival In 969 Patients With Chronic Severe Mitral Regurgitation and Left Ventricular Ejection Fraction ≤30%: Role For Mitral Valve Surgery, 1988
- Functional Improvement after Transcoronary Transplantation of Circulating Progenitor Cells in Patients with Ischemic Cardiomyopathy Depends On the Age of the Previous Myocardial Infarction, 240
- Improvement in Left Ventricular Ejection Fraction After β-Blockers is an Independent Predictor of Survival in Patients with Stable Congestive Heart Failure, 2593
- Intraventricular Mechanical Dyssynchrony in Health and Disease: A Real-Time 3D Echocardiographic Study, 3124
- Lack of Left Ventricular Dilatation Is A Marker Of Increased Mortality In Patients With Chronic Severe Mitral Regurgitation and Normal Ejection
- Long-term Right Ventricular Apex Pacing in Patients with Congenital AV Block Does Not Have a Detrimental Effect on Ventricular Function, 1651
- Noninvasive Pressure Preset Ventilation for the Treatment of Heart Failure with Central Sleep Apnea Not Responding to Continuous Positive Airway Pressure, 1749
- Optimal Assessment of Right Ventricular Size and Function by Real-time 3D Echocardiography: Comparison to Cardiac Magnetic Resonance Imaging, 2654
- Phase-Rectified Signal Averaging is Superior to LVEF in Prediction of Late Mortality after Acute MI, 2155
- Prevalence Of Anemia Among Heart Failure Patients With Preserved Systolic Function And Its Influence On Their Survival, 2599
- Prognostic Value of Cardiopulmonary Exercise Testing In Heart Failure
- Patients with Preserved Systolic Function, 2497 Relationship Between Delayed-Enhancement And The Circulating Levels Of Myocardial Collagen Markers In Patients With Left Ventricular Hypertrophy, 2802
- Renal Function and Ejection Fraction Are the Best Mortality Predictors in Non-ST-Elevation Chest Pain Patients, 1615
- Right Ventricular Apical Pacing after Atrioventricular Nodal Ablation for Atrial Fibrillation Does not Compromise Ejection Fraction in the Short Term or Long Term, 2087
- Risk/Benefit Analysis of Hyperkalemia on Clinical Outcomes in EPHESUS, 3340
- Role of Real-Time Transthoracic 3-D Echocardiography in the assessment of Mechanical Asynchrony, 2941
- Telemonitoring Facilitates a Sustained 12-month Response to Exercise Training in Patients with Chronic Heart Failure , 2970
- The Impact of Reperfusion Status on the Efficacy of Eplerenone: Results from EPHESUS, 2406
- Traditional Predictors of Adverse Outcome Are Modified in a Comprehensive Heart Failure Management Program, 2973
- Transplantation of Blood-Derived Progenitor Cells after Recanalization of Chronic Coronary Artery Occlusions: Impact on Coronary Vasomotion and Left Ventricular Remodeling, 1562
- Why Don't ICDs Decrease All-Cause Mortality After MI? Insights from the DINAMIT Study, 2356

- Aortic Valve Replacement and Concomitant Mitral Valve Regurgitation in the Elderly - Impact on Survival and Functional Outcome, 2561
- Characteristics and Outcomes of Heart Failure Patients in Clinical Practice: How Do They Relate to Age?, 2252
- Cultural Factors of Chinese Immigrants as Predictors of Hypertensive Medication Compliance, 1862
- Do Elderly Systolic Heart Failure Patients Benefit From β-Blockers To The Same Extent As The Non-Elderly? Meta-Analysis Of >12,000 Patients In Large-Scale Clinical Trials, 2592
- Effect of Age on In-Hospital Length of Stay, Mortality, and Cost Among Patients Undergoing Abdominal Aortic Aneurysm Repair, 1764
- Effect of Exercise Training on Exercise Capacity, Quality of Life, and Flow-Mediated Arterial Dilation in Elderly Patients with Diastolic Heart Failure, 2597
- Fish Intake and Risk of Incident Atrial Fibrillation, 3766
- Infective Endocarditis in Elderly Patients. Current Characteristics., 2638 Isosorbide Mononitrate Is Effective For Long-Term Treatment of Isolated
- Systolic Hypertension: A Randomised, Controlled Study, 2821
- Long-Term Benefits And Limitations Of Combined Antianginal Drug Therapy In Elderly Patients With Chronic Angina, 2191

- Long-Term Outcomes and Their Predictors after Hospital Discharge for MI in the Elderly: The Cardiovascular Health Study (CHS), 3722
- National Estimates of Outpatient Cardiovascular Medication Use in Aged Medicare Beneficiaries, 3814
- Peer Advisors Improve Physical Health Outcomes in Elders, 3034 Prevalence of an Amyloidogenic Transthyretin Allele (V122I) in Elderly
- African-Americans with Congestive Heart Failure, 3820 Sex Differences in the Symptom Presentations of Acute Coronary Syndromes, 3027
- The Burden of Polypharmacy in Older Persons Hospitalized with Heart Failure, 3774
- Twelve-Year Changes in the Management of Acute Myocardial Infarction in the Elderly in Rural Japan : Kochi Acute Myocardial Infarction (KAMI) Study, 2915
- Unrecognized Cognitive Impairment is Common in Heart Failure Outpatients, 2975

### Electric countershock

An Abbreviated Anticoagulation Strategy is Safe and Effective in Patients Undergoing Transesophageal Echocardiographic-Guided Direct Current Cardioversion, 1892

- Electrocardiography
  A Common Haplotype In The 5' Region Of The SCN5A Gene Is Strongly Associated With Ventricular Conduction Impairment, 1101
  - A Simple Predictor of Left Main or Three-vessel Disease in Patients With Non-ST-segment Elevation Acute Coronary Syndrome, 1617
- Abnormal 3D ECG in long-QT syndrome patients: A new phenotypic marker for HERG mutations, 2891
- Accuracy of Uncorrected vs Corrected QT Interval for Prediction of Drug-Induced Torsades de Pointes, 2698
- Allometric Relationships of Cardiovascular and Metabolic Factors to Height and Adiposity: The Atherosclerosis Risk in Communities (ARIC) Study,
- Association of Functional Status and Heart Rate and Rhythm at Rest and in Response to Exercise in 508 Fontan Patients 6-18 Years of Age,
- Association of QRS Duration and Outcomes After Myocardial Infarction: The VALIANT Trial, 3354
- Autotriggered Memory Loop Recorders Provide Earlier and More Complete Arrhythmia Detection than Standard Recorders and Holter Monitors,
- Body Surface Mapping A Useful Additional Diagnostic Tool in Arrhythmogenic Right Ventricular Dysplasia, 2158 Bradycardia-Dependent Changes in Brugada Syndrome on ECG: Does
- Less QT Prolongation Relate to Occurrence of Ventricular Fibrillation?, 3087
- Brugada Type Electrocardiogram in Lone Atrial Fibrillation, 3097 Complete RBBB Pattern in ECGs in Symptomatic Patients with Brugada Syndrome is Associated with a Higher Incidence of Ventricular Fibrillation Events, 1649
- Computing the Cycle Length of Atrial Fibrillation from the ECG Using Spectral and Spatial Analyses, 2688
- Conditional Cardiac Knockout of the Calcium Channel Ca, 1.2 Gene
- Reveals an Essential Role in Adult Mouse Sinus Node Automaticity, 722 Conditional Overexpression of a Constitutively Active Integrin Results in Rapid Increases in Calreticulin Expression, Severe Contractile Dysfunction, and Impaired Cell-cell Electrical Coupling, 639
- Conduction Defect to the Left Atrium is a Normal Variant but Facilitates Manifestation of Atrial Fibrillation in the Presence of Focal Triggers, 2695
- Correlation between QT intervals and Global Transmural Dispersion of Ventricular Repolarization: In Vivo Validation Using Monophasic Action Potential Mapping of the Epi- and Endocardium in Swine, 1532
- Cost-Effectiveness Analysis of Preparticipation Screening Strategies for Prevention of Sudden Death in Young Competitive Athletes, 3213
- Diagnosis of Acute Myocardial Infarction in the presence of Left Bundle Branch Block, 3091
- ECG and CMR Most Accurately Predict Cardiac Involvement in Sarcoidosis, 2799
- Echo Insights Into Peripartum Cardiomyopathy In Haiti , 3295 Electrical Asynchrony Does Not Affect The Survival Of Heart Failure Patients, 3337
- Electrocardiographic Identification of Patients with ST-Elevation Acute Myocardium Infarction Benefiting most from Primary Angioplasty versus Fibrinolysis: Results from the DANAMI-2 Trial, 1933
- Electrocardiographic Response to Enzyme Replacement Therapy for Infantile Pompe Disease, 3518
- Evolution of Cardiac Memory Over 1 Week of Atrioventricular Pacing in Humans, 2157
- Feasibility of Adjusting Cardiac Resynchronization by Manipulating Left Ventricular Epicardial Pacing Stimulus Strength, 1896
- First Ventricular Fibrillation Event in Patients With Brugada Syndrome treated With an Implantable Cardioverter-Defibrillator, 2906

Gene Variants in Myocardial Potassium Channel Genes KCNQ1 and KCNH2 Act Additively to Modify the QT Interval., 1103

III-964

High Prevalence of Fluctuations between Diagnostic and Nondiagnostic ECGs in Brugada Syndrome: Implications for Correct Phenotyping and Risk Stratification, 2346

Impact of Induced Core Hypothermia on the Electrocardiogram: Observations from the COOL MI Study, 2900

Impact of Myocardial Reperfusion on QT Dispersion in Successfully Recanalized Patients with Acute Myocardial Infarction, 1622

Left Bundle Branch Block in Congestive Heart Failure: Impact on Diastolic Function, Filling Pressures, and B-Type Natriuretic Peptide Levels, 2237

Loss of Prognostic Value of Late Potentials in Post-MI Patients of the Reperfusion Era, 3092

Matrix Metalloproteinase-7 Deletion Improves Survival and Myocardial Conduction Following Myocardial Infarction, 457

Myocardial Reperfusion by ST-Segment Recovery in Patients Randomized to Either Prehospital Fibrinolysis or Facilitated PCI - A SWEDES Substudy, 1619

Phase-Rectified Signal Averaging is Superior to LVEF in Prediction of Late Mortality after Acute MI, 2155

Portable Type Signal-Averaged Electrocardiography With Dipyridamole To Detect Patients With Coronary Artery Disease -Retrospective and Prospective Studies-, 1684

Postinfarction Risk Stratification Using the Angle of Ventricular Gradient, 2700

Predischarge Persistency of ST Elevation After Acute Myocardial Infarction Treated With Primary Angioplasty Predicts Microvascular Obstruction: A Study With Contrast-Enhanced Magnetic Resonance., 2831

Prevalence and Characteristics of Mitral Annular Ventricular Tachycardia: A New Distinct Subgroup of Idiopathic Ventricular Tachycardia, 2352

Prevalence and Clinical Course of the Juveniles With Brugada-type ECG in Japanese Population, 3209

Prevalence and Significance of T-wave Inversions on the 12-Lead ECG in 1400 Junior Elite Athletes Participating in Ball, Racket, and Endurance Sports. 3366

Prognostic Impact of Prolonged Ventricular Repolarization in Hypertension,

Prognostic Significance of ST-Segment Depression in Specific 12-Lead ECG Groups in the GUSTO-2b Trial, 3089

Prognostic Value of Corrected JT and QT Intervals, 2896

Quantitative Assessment of Electrocardiographic Strain Predicts
New-Onset Congestive Heart Failure: The Strong Heart Study, 3468

Regression of Electrocardiographic Left Ventricular Hypertrophy and Decreased Incidence of New-Onset Congestive Heart Failure in Hypertensive Patients: The LIFE Study, 3379

ReoPro as Adjunctive Therapy in Primary Angioplasty is Associated with Accelerated ST-Segment Resolution and Fewer Reinfarctions: Results from the DANAMI-2 Trial, 3071

Resting 12-Lead Electrocardiogram Predicts Presence and Extent of Coronary Calcification Cross-Sectionally and Prospectively, 3712

Reverse Remodeling in a Novel Rabbit Model of Myocardial Infarction and Biventricular Pacing, 1894

ST-Segment Depression in Lead aVR: A Simple and Useful Predictor of Impaired Myocardial Reperfusion in Patients With Inferior Wall Acute Myocardial Infarction, 1609

Surface recognition of His-Purkinje activity by one-beat analysis wavelet transform system., 2156

T-wave Surface Area: a Sensitive Index for Transmural Dispersion of the Repolarization, 2897

The Eigenvalue Model as an Electrical Marker in the Prediction of Acute Myocardial Infarction in Measured and Derived Electrocardiograms, 3095

The Frequency Spectrum of Ventricular Fibrillation is Less Organized in Patients With Ischemic Heart Disease than Those Without Ischemic Heart Disease, 3214

The Natural History of Individuals with the Brugada Syndrome, 2348
The Role of Neonatal Electrocardiography in the Early Identification of
Genetic Arrhythmogenic Disorders and Congenital Cardiovascular
Diseases: Prospective Data from 21,000 Infants, 1930

Two-Daily Tele-ECG after AF Catheter Ablation: Relevance of Asymptomatic Recurrences, 1667

Upsurge in T-wave Alternans and Complex-Form Repolarization Instability Precedes the Onset of Spontaneous Ventricular Tachyarrhythmias in Humans, 3094

Validation Of Electrocardiographic Localization Of Optimal Ablation Site For Right Ventricular Outflow Tract Tachycardia: Insights From Three-Dimensional Electroanatomic Mapping, 3212

Ventricular Fibrillation Waveform Characteristics Can Guide Therapy in Cardiac Arrest, 1959

Visualization of Propagation of Electrical Currents in Patients with Complete Left Bundle-Branch Block Using a Novel Magnetocardiographic Method, 2899 Electron beam computed tomography

A Common Polymorphism in the ABCA1 Gene (G1051A) is Associated with a Lower Prevalence of Coronary Calcification in the Multiethnic Study of Atherosclerosis (MESA), 3801

Association between Asymmetric Dimethyl Arginine (ADMA) and Coronary Artery Calcification among Young Adults: the CARDIA Study, 3735

Comparing Coronary Artery Calcification between Hemodialysis Patients and Non-ESRD Controls, 561

Coronary Calcifications in Patients with Elevated Levels of Lipoprotein (a), 2285

Coronary Calcium in Pima Indians with Childhood- and Young Adult-Onset Type 2 Diabetes, 3845

Correlation of Electron Beam Computed Tomography With Stress Single-Photon Emission Computed Tomography, 3163

Diabetes is Associated with Subclinical Atherosclerosis in Dallas County: From the Dallas Heart Study, 3676

Exclusion of Coronary Calcium with Multidetector Row Helical-CT: An Efficient Screening Tool for Exclusion of CAD in Patients with Chest Pain?, 2290

Global Risk Factor Assessment Markedly Underestimates Subclinical Atherosclerosis Risk in Asymptomatic Women, 3657

Intensive Lipid-Lowering Therapy Does Not Halt The Progression Of Calcific Aortic Stenosis, 3284

Lack of an Association Between C-Reactive Protein and Subclinical Atherosclerosis: The Dallas Heart Study, 3654

National Cholesterol Education Panel III Guidelines and Detection of High-Risk Young Asymptomatic Adults, 3705

High-Risk Young Asymptomatic Adults, 3705 PDAY Risk Score Predicts Coronary Artery Calcium in Young Adults: The CARDIA Study, 3655

Prognostic Value of Coronary Calcifications for Future Cardiovascular Events in Asymptomatic Patients, 2288

Resting 12-Lead Electrocardiogram Predicts Presence and Extent of Coronary Calcification Cross-Sectionally and Prospectively, 3712

Electropharmacology

Acute Reversal of Electrical Remodeling and Cardioversion of Persistent AF by a Novel Atria-Selective Antiarrhythmic Drug, RSD1235, in the Goat, 778

A Critical Amino Acid Determines Flecainide Sensitivity of Voltage-dependent Potassium Channels, 66

Antiarrhythmic Effects of Pilsicainide on the Pulmonary Veins in Patients With Atrial Fibrillation, 3430

Characterization of a hERG Voltage Clamp Screen Using the IonWorks HT Platform and Comparison to a hERG Rubidium Efflux Screen, 475

Effects of Spironolactone and Canrenoic Acid on Kv4.3 and KCNQ1+KCNE1 Channels, 471

Electrophysiological Properties of an Atrial Selective Antiarrhythmic Agent, RSD1235, in Humans, 2172

Intracellular AMP Inhibits PKA to Attenuate β-Adrenergic Signaling: Evidence from Isolated Cardiac Cells and AMP Deaminase 3 Knockout Mice. 106

Olmesartan Reverses Changes In Conduction Velocity, Connexin43
Expression, And Distribution Associated With Localized In Situ
Ventricular Stretch, 1526

Sustained Tachycardia and Bradycardia Cause Discrete Forms of Arrhythmogenic Ion-channel Remodeling via Specific Molecular Mechanisms, 1533

Electrophysiology

Acute Reversal of Electrical Remodeling and Cardioversion of Persistent AF by a Novel Atria-Selective Antiarrhythmic Drug, RSD1235, in the Goat, 778

AVE 0118, an I<sub>to</sub> and I<sub>Kur</sub> Blocker, Suppresses VT/VF in an Experimental Model of the Brugada Syndrome, 924

[Na<sup>+</sup>], Modulates Synergism Between Na<sup>+</sup>/Ca<sup>2+</sup> Exchanger and L-type Ca<sup>2+</sup> Currents in Cardiac Excitation-Contraction Coupling, 616

2-hydroxybenzylamine: A Novel Scavenger that Prevents Oxidative Stress-induced Modification of Cardiac Sodium Channels, 74

A Common Haplotype In The 5' Region Of The SCN5A Gene Is Strongly Associated With Ventricular Conduction Impairment, 1101

A minK Polymorphism Associated with Increased Risk for Atrial Fibrillation has Complex Effects on Delayed Rectifier Current, 1104

A Novel and Simple Method for Manufacturing a Myocardial Cell Sheet Using Polymerized Fibrin-Coated Dishes, 476

A Worldwide Survey on the Methods, Efficacy, and Safety of Catheter Ablation of Atrial Fibrillation, 2524

Adult Human Bone Marrow-Derived Mesenchymal Stem Cells Can Repair Experimental Conduction Block in Cardiomyocyte Culture, 217

Antiarrhythmic Effects of Pilsicainide on the Pulmonary Veins in Patients
With Atrial Fibrillation, 3430

Assessments of Transversal Conduction Property of Crista Terminalis and Its Influence on Recognition of Isthmus Block Using Electroanatomic Mapping System, 3101

Artial Fibrillation-Associated Loss of the Background K<sup>+</sup> Current TASK-1 is Reversed by Phosphatase, 470

- Cardiac Resynchronization Therapy for Moderate-to-Severe Pediatric Heart Fallure: A Pilot Study, 2265
- Cellular Mechanisms for Atrioventricular Node Wenckebach Periodicity: Periodic Action Potential Restitution and Reorientation of Conduction Wavefront, 928
- Cellular Uncoupling Due To Gap Junction Remodeling Is Associated With Safe Conduction During Hypothermia In Hearts Of Siberian Hibernating Ground Squirrel Cittelius Undulatus, 462
- Characterization of the Reconstituted Mitochondrial Ca Uniporter from the Human and Rat Heart: A Different Player from the Mitochondrial Ryanodine Receptor?, 973
- Chronic Amiodarone Dose-Dependently Remodels Ion Channel Transcripts in the Heart, 1248
- Competing Risks for Arrhythmic versus Nonarrhythmic Death in Prophylactic ICD Therapy Early after Myocardial Infarction, 2357 Connexin43 Overexpression Increases Gap Junctional Conductance
- Connexin43 Overexpression Increases Gap Junctional Conductance between Skeletal Myoblasts and Adult Rat Ventricular Myocytes in Coculture, 1341
- Delayed Rectifier Voltage-gated K<sup>+</sup> Channels Localize into Distinct Sphingolipid/Cholesterol Enriched Membrane Microdomains, 280
- Demonstration of Electrical Communication between Grafted Myocardial Cell-sheet and Host Heart using Optical Mapping, 1203
- Demonstration of Electrical Connection between Left Atrium and Musculature of Coronary Sinus in Humans, 2691
- Musculature of Coronary Sinus in Humans, 2691
  Demonstration of the Anatomical Tachycardia Circuit in the Slow/slow
  Form of Atrioventricular Nodal Reentrant Tachycardia Using Single
  Extrastimulation Method, 2687
- Differentiated Transmural Heterogeneity of Na\*-Ca²+ Exchange in Normal and Failing Hearts, 780
- Diminished Propagation of Electrical Conductance in Insulin Receptor Deficient Mouse Hearts Under Normoxic and Ischemic Conditions, 784
- Disappearance of Pre-Excitation in Glycogen Storage Cardiomyopathy with Arresting of PRKAG2 Transgene Expression, 1108
- Edrophonium-Induced Right Ventricular Outflow Tract Tachycardia, 3207 Effect of Alteration of Left Ventricular Activation Sequence on the Left Ventricular Torsional Deformation in Anesthetized Closed-chest Dogs, 140
- Electrical Remodeling Caused by Brief Ventricular Ectopy Increases T Wave Alternans, 2898
- Electrocardiographic Strain Pattern and Albuminuria Additively Predict Outcomes in Hypertensive Patients: The LIFE Study, 3375
- Electrophysiological Differences At The Spontaneous Onset Of Nonsustained And Sustained Atrial Fibrillation Using A Noncontact Mapping System, 2690
- Electrophysiological Factors to Promote Reentry Formation in Pulmonary Veins, 2684
- Electrophysiological Properties of an Atrial Selective Antiarrhythmic Agent, RSD1235, in Humans, 2172
- Electrophysiological Properties of Pluripotent Human and Mouse Embryonic Stem Cells, 218 Evoked Ca<sup>2+</sup> Sparks Exhibit Maximum Probability Under Physiological
- Evoked Ca<sup>2+</sup> Sparks Exhibit Maximum Probability Under Physiological Conditions in Rabbit Ventricular Myocytes: What Mechanism Modulates the Ca<sup>2+</sup> Transient?, 51
- Fast Ventricular Tachycardia Induced by Programmed Stimulation Predicts Appropriate Implantable Cardioverter Defibrillator Therapy, 2363
- First Report of the Effects of the Gap Junction Uncoupler Carbenoxolone on Human Myocardial Conduction and Arrhythmogenicity, 2170
- Four-Dimensional Left Ventricular Tissue Doppler and Anatomical Gray-Scale Fusion Imaging During Sinus Rhythm and Cardiac Pacing, 1661
- Gene Variants in Myocardial Potassium Channel Genes KCNQ1 and KCNH2 Act Additively to Modify the QT Interval., 1103
- Heart Rate Variability, a Measure of Autonomic Dysfunction, is Associated with Insulin Resistance, 2151
- Heterozygous SCN5A Knockout Mice Demonstrate Excessive Fibrosis at Old Age, Resulting in Impaired Conduction, 721
- High Resolution Optical Mapping of Cardiac Action Potentials in Freely Beating Rabbit Hearts, 927
- Hyperpolarization-Induced Contraction by Calcium Influx through I, Channels in Rat Ventricular Myocytes, 936
- Implications of 2:1 Atrioventricular Block during Common Type Atrioventricular Nodal Reentrant Tachycardia: Localizations of Site of Block and Lower Turnaround Point of Reentrant Circuit, 3103
- Increased SERCA Function Is Deleterious In A Mouse Model Of Heart Failure , 62
- Induction of Ventricular Arrhythmia at Electrophysiologic Study in Defibrillators in Non-Ischemic Cardiomyopathy Treatment Evaluation (DEFINITE) Predicts Need for Implantable Cardioverter Defibrillator Therapy, 2902
- Inhibition of AMP-activated Protein Kinase Promotes Exercise-Induced Ventricular Arrhythmias with a Short QT Interval in Mice. 723
- Intramural Temperature-Guided Radiofrequency Ablation with a Novel Infusion Needle Electrode Catheter, 1867
- Isolation, Identification, and Characterization of a New Potassium Channel.

- Loss of Rapid Early Repolarization in Failing Myocytes Causes
  Dyssynchronous SR Ca Release and Contributes to Slow Rising Ca
  Transients, 933
- Magnetic Resonance Assessment of Scar Transmurality Distribution Predicts Inducible Ventricular Tachycardia Regardless of Disease Etiology, 1910
- Mechanism of Spontaneous Excitability in Human Embryonic Stem Cell-Derived Cardiomyocytes, 220
- Modulation of Cardiac Excitation-Contraction Coupling by Triadin, 930 Murine Embryonic Stem Cells Differentiate Into Cardiac Pacemakers, 219 Noncontact Endocardial Mapping to Guide Ablation of Hemodynamically Unstable or Difficult-to-Induce Ventricular Tachycardia, 1660
- Novel Mutation (S338F) in Cardiac KvLQT1 S6 Domain Hinders KvLQT1-KCNE1 Coassembly, 67
- Novel Pacing Patterns to Enhance or Suppress T-Wave Alternans in Patients with Heart Failure, 3133
- Optical Mapping of Bypass Tracts in Mice with AV Canal-Targeted Deletion of ALK3, 474
- Pharmacological Prevention of AF Promotion by Atrial Tachycardia-induced Remodeling in Dogs, 779
- Procedural Outcomes And Device Performance In The COMPANION Trial Of Resynchronization Therapy For Heart Failure, 2084
- Programmed Ventricular Stimulation is Associated with Long-Term
  Outcome in Patients with Nonischemic Dilative Cardiomyopathy Treated
  with an Implantable Cardioverter-Defibrillator, 2240
- Pulmonary Vein Isolation Without Reversal of Warfarin Therapy: Is it Safe?, 1673
- Reentrant Circuit of Verapamil-Sensitive Idiopathic Left Ventricular Tachycardia as Revealed by Electroanatomic Mapping During the Tachycardia, 2354
- Regulation of Large Conductance Ca<sup>2+</sup>-Activated K<sup>+</sup> (BK) Channel by Caveolae Targeting in Vascular Endothelial Cells, 1595
- Relation between Transverse Conduction Capability and the Anatomy of the Crista Terminalis in Patients with and without Atrial Flutter: The Presence of Posteromedial Functional Block and Double Potentials, 2709
- Relationship between Changes in Myocardial Resistivity, Conduction Velocity, Gap Junctional Topology and Tissue Architecture in Left Ventricular Hypertrophy, 507
- Relevance of Esophageal Anatomy for Ablation of Atrial Fibrillation, 1969 Rem GTPase and Calcium Channel C-terminus Cooperatively Regulate Calcium Channel Current Expression: Modulation by cAMP-dependent Protein kinase (PKA) sites, 429
- Rho-GTPase Activating Protein 6 a Regulator of HERG Channel, 284
  Right Ventricular Outflow Tract Pacing Preserves Left Ventricular Activation
  Pattern And Optimizes Hemodynamic Function, 2642
- Right Ventricular Pacing To Confirm Cavo-Tricuspid Isthmus Block During Radiofrequency Ablation Of Typical Atrial Flutter: A New Technique?, 1858.
- Role of Microscopic Tissue Structure in Shock-Induced Activation Assessed by Optical Mapping in Myocyte Cultures, 464
- Spatially Discordant Cellular Alternans as a Novel Mechanism for Arrhythmogenesis in Heart Failure, 461
- Specific Roles for Connexins 43 and 40 in Atrial Propagation, 1527
  Steep Repolarization Gradlent is Required for Development of Phase 2
  Reentry and Subsequent Ventricular Tachyarrhythmias in a Model of the
  Brugada Syndrome: High-Resolution Optical Mapping Study, 1524
- Sustained Tachycardia and Bradycardia Cause Discrete Forms of Arrhythmogenic Ion-channel Remodeling via Specific Molecular Mechanisms, 1533
- Mechanisms, 1533
  Targeted Modification Of Atrial Electrophysiology By Homogeneous
  Transmural Atrial Gene Transfer, 47
- Temporal Constancy of Electrophysiologic Characteristics in Permanent Atrial Fibrillation, 3204
- The Global Organization of LA Activation in Permanent Atrial Fibrillation: Are the Posterior Left Atrium and Pulmonary Veins Acting as Drivers?, 2685
- The Mouse Cardiac Ventricular Repolarization Gradient is Established by the Homeodomain Transcription Factor Irx5, 443
- The Novel AF Conversion Agent RSD1235 Terminates EADs and Prevents Torsade de Pointes in a Rabbit Model, 3433
- The Response of the Intracellular Calcium Release Channel (Ryanodine Receptor) to Known In Vivo Regulatory Ligands is not affected by Acute or Chronic Catecholamine Exposure or Chronic Pressure Overload-Induced Heart Failure, 472
- The S3-S4 Linker of Pacemaker (HCN) Channels as a Prime Target for Engineering Activation Threshold: Implications into Gene- and Cell-based Modulation of Cardiac Pacing, 401
- Therapeutic Implications of Myocardial Fiber Orientation at the Superior Vena Cava-right Atrial Junction, 1658
- Time-Course and Nature of Electrophysiological Remodeling During Progression of Left Ventricular Mechanical Dysfunction, 783
- Unexpectedly High Rate of Replacement of a Newer-Generation Polyurethane Bipolar Pacemaker Lead: A Long-Term Follow-Up Study. 3241

- Unique Electrophysiological Characteristics of Atrioventricular Nodal Reentrant Tachycardia with Ventriculoatrial Dissociation and Effects of Slow Pathway Ablation, 1663
- Upper Limit of Vulnerability Testing: Shock-on-T with a Right Ventricular versus Biventricular Pacing Train Implications on Mechanisms of Defibrillation, 1662
- Use of Catheter Cryoablation in Pediatrics: Success Determined by Time to Effect, 2334
- Ventricular Fibrillation Associated With Failed Defibrillation Shocks Is More Organized Than Ventricular Fibrillation Associated With Successful Shocks, 1657
- What Transforms Pulmonary Vein Rapid Activations into Atrial Fibrillation? Vagotony Is a Stronger Mediator Than Sympathetic Stimulation, 2683

#### Embolist

- Carotid Fibrous Collagen-Rich Plaques, and not Atheromatous Inflammatory Plaques, are Associated with Increased Risk of Embolism during Carotid Endarterectomy, 3001
- Clinical and Economic Outcomes of Distal Embolic Protection Strategies for Percutaneous Coronary Intervention in Saphenous Vein Grafts, 2310 Healing Response After Transcatheter Closure Of Patent Foramen Ovale Depends On Occluder Type, 2074
- The Location Of Aortic Atherosclerosis Is A Better Predictor Of Late Stroke
  Than Its Extent, 2273
- The Relationship Between Particle Dislodgement from an Aortic Wall Simulator and Fluid Flow Patterns from Various Aortic Perfusion Cannula, 3108

### **Emergency care**

- A Randomized Comparison Study Of Vasopressin And Epinephrine For Prolonged Cardiopulmonary Resuscitation., 1641
- An Impedance Threshold Device Improves Short-Term Outcomes Following Out-of-Hospital Cardiac Arrest, 1957
- An Impedance Threshold Device Significantly Increases Invasively Measured Arterial Pressures during Standard Cardiopulmonary Resuscitation in Out-of-Hospital Cardiac Arrest, 1956
- Are we Providing CPR According to the Guidelines in In-Hospital Cardiac Arrest?, 2148
- Assessment of Agonal Breathing Improves Detection of Cardiac Arrest, 2147
- Brief, Self-Directed CPR Training for Lay Responders Is as Effective as Traditional Instruction, 1955
- Bystander-Initiated Cardiopulmonary Resuscitation Sustains Ventricular Fibrillation in Out-of-Hospital Cardiac Arrests: Report Based on a Large-Scale Population-Based Study in Osaka, Japan, 2144
- Clinical Evaluation of an Inspiratory Impedance Threshold Device During Standard Cardiopulmonary Resuscitation , 1951
- Comparison of Nifekalant and Lidocaine for Shock-resistant Ventricular Fibrillation, 1642
- Gender Differences in Time to Treatment for Patients Undergoing Primary Percutaneous Coronary Intervention for Acute ST segment Elevation Myocardial Infarction: An Important Target for Quality Improvement, 3692
- N-Acetylcysteine in the Prevention of Radiocontrast-Induced Nephropathy in High-Risk Patients Undergoing Urgent or Emergent Coronary Angiography, 2116
- NSE and S-100 Protein as Early Predictors for Neurological Outcome after Cardiac Arrest, 2132
- NT-proBNP Testing is Cost-Effective in the Diagnostic Assessment and Management of Dyspneic Patients in the Emergency Department: A ProBNP Investigation of Dyspnea in the Emergency Department (PRIDE) Substudy, 1762
- Pediatric Defibrillation Dose: Less Effective in Prolonged Out-Of-Hospital Pediatric Cardiac Arrest, 2133
- Resuscitative Hypothermia after Invasive Cardiac Resuscitation in Patients with Failed Standard Cardiopulmonary Resuscitation, 1640
- Sex-age Interaction after Myocardial Infarction: Impact on Hospital Mortality and 1-year Survival, 3522
- The Quik-Combo® Defibrillator Electrode Decreases the Time to Defibrillation: A Crossover Comparative Study, 1960
- Unequal Access and Equalizing Effects of Revascularization after Acute Myocardial Infarction by Socioeconomic Group, 2523
- Usefulness of Multislice Computed Tomography to Identify Acute Coronary Syndrome in the Emergency Department, 2100
- Ventricular Fibrillation is Not Provoked by Chest Compressions During Post-Shock Organized Rhythms in Out-of-hospital Cardiac Arrest, 2136

# Endocarditi

- Allograft Compared to Synthetic Materials Regarding Bacterial Adherence in a Standardized Animal Model of Prosthetic Valve Endocarditis, 2637 Incidence and Risk Factors of the Infectious Complications after
- Pacemaker Implantation: A Multicenter Prospective Study, 3244
  Infective Endocarditis in Elderly Patients. Current Characteristics., 2638
  Infective Endocarditis on Normal Valves, 2639
- Predictors of Long-Term Mortality in Patients with Infective Endocarditis (IE): A Propensity Score Analysis, 2640

The Clinical and Economic Impact of Staphylococcus aureus Bacteremia in Patients with Cardiovascular Devices, 2636

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#### **Endothelial function**

- Early Morning Attenuation of Endothelial Function in Obstructive Sleep Apnea, 2058
- Transient Impairment of Flow-Mediated Vasodilation in Patients with Metabolic Syndrome at Moderate Altitude (1700 m), 1791
- A Novel Mechanism of Vascular Protection in Aging Mediated by Calpain Inhibition, 856
- Adherence to the Mediterranean Diet and Plasma Level of Inflammatory and Endothelial Dysfunction Markers, 3562
- Altered Coronary Microvascular Function and Peripheral Endothelial Dysfunction in Young Patients with Systemic Lupus Erythematosus, 3644
- Altered Regulation Of NOS3 Enzyme Upon Increased Shear: Effects Of The NOS3 Exon7 (G894T) Single Nucleotide Polymorphism, 850
- Angiotensin Converting Enzyme Inhibitors Enhance COX-2 Expression and Prostacyclin Production in Endothelial Cells via ACE-Dependent Outside-in Signalling, 885
- Angiotensin II Increases Myocardial Distensibility: A Novel Endothelial and AT<sub>1</sub>-Mediated Effect, 137
- Anticoagulant Heparan Sulfate Mediates Endothelial Endocytosis of Antithrombin, 836
- Apolipoprotein A1 Mimetic Peptide D-4F Prevents Superoxide Anion Formation And Endothelial Cell Sloughing By Increasing Heme Oxygenase-1 In Diabetic Rats, 700
- Arterial Seeding with Autologous Progenitor-Derived Outgrowth Endothelial Cells Improves Vasoreactivity and Reduces Neointimal Formation in a Rabbit Balloon Injury Model, 697
- Association between Asymmetric Dimethyl Arginine (ADMA) and Coronary Artery Calcification among Young Adults: the CARDIA Study, 3735
- Beneficial Cardioprotective Effects of Hydroxyfasudii, a Specific Rho-Kinase Inhibitor, on Ischemia-Reperfusion Injury in Canine Coronary Microcirculation in Vivo, 1160
- Beneficial Effects of Clopidogrel on Endothelial NO Bioactivity in Patients with Symptomatic Coronary Artery Disease, 165
- Benidipine, a Long-Acting Calcium Channel Blocker, Safely Improves Vasomotor Dysfunction of Coronary Arteries in Patients With Hypertension and Diabetes Mellitus, 1163
- Blockade of RAGE Restores Microvascular Reactivity in Diabetic Apolipoprotein E Null Mice, 1467
- Bone Morphogenic Protein 4 Produced In Endothelial Cells by Oscillatory Shear Stress Induces Monocyte Adhesion by Stimulating Reactive
- Oxygen Species Production from A Nox1-Based NADPH Oxidase, 424 Brachial Artery Vasodilator Function and Systemic Inflammation in the Framingham Offspring Study, 375
- C-type Natriuretic Peptide Inhibits Leukocyte Recruitment In Vivo via Natriuretic Peptide Receptor-C Activation, 1151
- Changes in Soluble Markers of Endothelial Function Correlate With TIMI Flow Grade and Corrected TIMI Frame Count after Fibrinolyis: An ENTIRE TIMI 23 Substudy, 3061
- Chronic Pentaerithrityl Tetranitrate (PETN) Treatment Does Not Induce Nitrate Tolerance And Cross-Tolerance In Wistar Rats, 1469
- Chronic Testosterone Treatment in Men with Coronary Artery Disease: A Study with Perfusion Cardiovascular Magnetic Resonance, 2666
- Combined Benefits of Co-expressing Apolipoprotein B mRNA Editing Enzyme and Scavenger Receptor BI Mediated by High-capacity Adenoviral Vector, 3333
- Connected Pericytes: The "Internet" of the Coronary Microcirculation?, 674
  Coronary Endothelial Dysfunction Provides Multiple Adverse Prognostic
  Impacts on Patients With Coronary Artery Disease During Long-Term
  Follow-up Over 100 Months, 2189
- Coronary Microcirculation is Abnormal in First Degree Relatives of Patients with Type 2 Diabetes Mellitus, 3636
- Coupling Factor 6 Induces Vasoconstriction of Coronary Arterioles in Hypertensive Rats via a Suppression of Cytochrome P-450 Metabolites, 357
- Crculating Endothelial Progenitor Cell Deficiency Contributes to Impaired Endothelial Function in Humans with Aging, 86
- Dark Chocolate Improves Endothelial Function And Arterial Stiffness In Healthy Individuals, 3584
- Deletion of p66shc Gene Protects Against Oxidative Stress-induced Endothelial Dysfunction in Type I Diabetes Mellitus, 1589
- Duration of Reactive Hyperemia in the Forearm could be a Novel Predictor of Cardiovascular Events in Healthy Subjects, 3615
- Effects of Metformin on Endothelial Function, Aortic Stiffness, and Exercise Tolerance in Diabetic Patients With Stable Angina, 2542
- Effects of Valsartan on Endothelial Function and Nitrate Tolerance in Type 2 Diabetics with Stable Angina, 2537
- Elevated Circulating E-Selectin Levels in Sustained Hypertension May Reflect the Endothelial Damage Caused by Stretch Stress, Independent of Angiotensin II, 3159
- Elevated Levels of Endothelium-Derived Microparticles in Patients with Type 2 Diabetes Mellitus and Coronary Artery Disease, 1607

- Elevated Levels of Myeloperoxidase and Impaired Endothelial Vasoreactivity in Patients with Symptomatic Coronary Artery Disease, 204
- Endocardial Nitric Oxide and Thrombogenesis in Atrial Fibrillation, 1470 Endothelial Dysfunction in Mitochondrial Diseases: Role Of Oxidative Stress, 728
- Endothelial Function Correlates with Circulating Progenitor Cell's Ability of Differentiation: Initial Marker of Atherosclerosis in Young Healthy Men?, 156
- Endothelial Function in Patients with Pulsatile or Axial-Flow Left Ventricular Assist Device (LVAD) Support, 2813
- Endothelial Nitric Oxide Synthase (eNOS) Glu298Asp Polymorphism Association with Coronary Heart Disease Risk is Modified by Smoking: The Atherosclerosis Risk in Communities Study, 3800
- Endothelial Signaling Interactions Following Surgically Induced Acute Increases in Pulmonary Blood Flow in the Lamb, 2648
- Endurance Exercise Training Improves Endothelial Function in Older Individuals, 2605
- Evidence for a Paxillin Specialized Function in Flow Directional Remodeling of Human Endothelial Cells, 1178
- Favorable Effects of All-trans Retinoic Acid on Coronary Artery Endothelial Dysfunction in Chronic Renal Fallure, 1162
- Folic Acid Improves Endothelial Dysfunction in Type 2 Diabetes, an Effect Independent of Homocysteine Lowering, 1590
- Folic Acid Reduces Myocardial Ischemia/Reperfusion Injury by Influencing the NO Pathway: An In Vitro and In Vivo Study, 235
- Ghrelin Improves Endothelial Function of Acute Ischemic Renal Failure via Insulin-Like Growth Factor-1 Signaling Pathway, 1109
- Glia Maturation Factor-I' is a Novel Member of Actin-Depolymerizing Factor Domain Protein Family and Enhances Endothelial Cell Motility, 1519
- Gtp Cyclohydrolase 1 Feedback Regulatory Protein Overexpression Attenuates Inos-Mediated Nitric Oxide Generation in Isolated Murine Endothelial Cells, 1063
- High-Density Lipoprotein Activates Endothelial Cell Migration via Scavenger Receptor B-I-Induced Signaling, 1582
- HMG Co-A Reductase Inhibitors Improve Renal Hemodynamics and Function in Renal Ischemia, 1499
- Hypertension and Sympathovagal Imbalance are Reversed by Correction of Insulinoresistance Despite Persistent Dyslipidemia Upon Diet Restriction in LDL Receptor- and Leptin-Deficient Mice, 951
- Identification and Characterization of a Novel Membrane Protein that is Highly Expressed in Endothelial Cells and Stimulates Migration of Endothelial and Smooth Muscle Cells, 1521
- Impaired Endothelial-Dependent Vasodilation and Eccentric Left Ventricular Hypertrophy in Hypertensive Subjects with Aldosteronism, 2036 Impaired Sympathetic Nerve Function May Play an Important Role in
- Impaired Sympathetic Nerve Function May Play an Important Role in Enhancing Coronary Vasoconstriction in Patients with Hypertrophic Cardiomyopathy, 2796
- Improvement of Endothelial Function by Systemic Transfusion of Vascular Progenitor Cells, 696
- In Vivo PPARα Activation Reduces Blood Pressure and Endothelial Dysfunction via Impeding Arterial NADPH Oxidase/Superoxide and Augmenting Tetrahydrobiopterin in Low Renin Hypertension, 1465 Increase in Ambulatory Pulse Pressure is a Strong Risk of Coronary
- Endothelial Vasomotor Dysfunction Irrespective of Hypertension, 2822 Index of Coronary Circulatory Function in Response to Cold Pressor Correlates with Calculated Framingham CHD Risk Score in Men with
- Metabolic Syndrome Components, 3050
  Inhibition of Diet-Induced Atherosclerosis and Endothelial Dysfunction in Apolipoprotein E-AT1A Receptor Double-Knockout Mice, 181
- Inhibition of I-xB Kinase Improves Endothelial Function and Reduces
  Atherosclerotic Plaque Formation in Hypercholesterolemic Rabbits and
  Mice, 1154
- mice, 1134 Inhibition of the Interleukin-converting Enzyme Improves Endothelial Function in Hyperlipidemic Rabbits, 1062
- Insulin Sensitivity and Endothelial Function in Hypertension: A Comparison between ACE inhibitors and Angiotensin II Blockers, 2817
- Insulin Signaling in Vascular Endothelium: A Key Role for Heterotrimeric G Proteins Revealed by siRNA-mediated GB 1 Subunit Knockdown, 1231 Interestics Of P329-by With NOV CN NOV Parallel POS Parallel
- Interaction Of P22phox With NOX2 Or NOX4 Results In ROS Production And Proliferation Of Endothelial Cells, 1359
  Interleukin-10 Reduces Endothelium-Dependent T Cell Costimulation
- through Upregulation of Suppressor of Cytokine Signaling-3 and Immunglobulin-Like Transcript 3 and 4, 1473
- Intravenous Iron Sucrose Augments Homocysteine-Mediated Endothelial Dysfunction in Normal Subjects, 92
- Knock-Down of Arginase1 Restores Endothlial Function in Old Rat Vasculature, 378
- Knockout of Inducible Nitric Oxide Synthase Protects against Metabolic but not Vascular Dysfunction in Diet-induced Obesity in Mice, 162 Krüppel-like Transcription Factor 5 (KLF5) Controls Angiogenesis, 1041 L-Arginine Supplementation Improves the Inhibited Angiogenic Response to FGF in a Porcine Model of Myocardial Ischemia with Endothelial Dysfunction, 1888

- Lipid-Lowering Effect of HMG Co-A Reductase Inhibitors Compared with Cholestyramines on Vascular Endothelium in Hypercholesterolemic and Hypertensive Patients, 564
- Long- but not Short-Term Multifactorial Intervention Improves Endothelial Dysfunction in Patients With Diabetes Mellitus Type 2 and Coronary Artery Disease, 3665
- Long-Term Administration of Thiazollidinedione Over Years Provides Ultrasonic Manifested Antiatherosclerotic Effects Independent of Diabetic Improvement for Type-2 Diabetics, 2056
- Magnitude-Dependent Regulation of Lung Endothelial Barrier by Cyclic Stretch: Role of Rho and Rac, 76
- Marked NAD(P)H Oxidase Activation by Endoplasmic Reticulum Stressors: Evidence for a Novel Integrative Pathway Involved in Vascular Injury Repair, 753
- Matrix Embedding Alters the Immune Response against Endothelial Cells In Vitro and In Vivo, 2382
- Moderate Alcohol Intake and Markers of Inflammation and Endothelial Dysfunction among Diabetic Men, 3578
- Myocardial Invasion of Dendritic Cells After Transplantation: Impact for Functional and Structural Coronary Alterations, 2730
- NADPH Oxidase-dependent Acute TNF $\alpha$  Signaling and MAPK Activation in Endothelial Cells: The Role of p47<sup>phox</sup> and TRAF4 , 752
- Native LDL Induces Endothelin-Converting Enzyme-1 in Primary Human Endothelial Cells. 1001
- Nitroaspirin Prevents Effort-Induced Endothelial Dysfunction in Intermittent Claudication, 2437
- Noninvasive Ultrasonic Evaluated Endothelial Dysfunction Predicts Future Diabetic Evolution, 2061
- Normalization of  $\beta$  Cell Function and Restoration of Heme Oxygenase in Nonobese Diabetic Mice by Allogenic Bone Marrow Transplant, 702
- PAI-1 is a Determinant of Coronary Vasomotor Function in Insulin Resistance , 1475
- Paradoxical Elevation of Ubiquinol in Subjects with Endothelial Dysfunction and Metabolic Syndrome, 3599
- Patients with Metabolic Syndrome and Endothelial Dysfunction are at Higher Risk of Cardiovascular Events: the Northern Manhattan Study,
- Physical Exercise Reduces Vascular Free-Radical Production, 1241
  Predictive Value of Flow-Mediated Dilation of the Brachial Artery in
  Patients Referred for Cardiac Rehabilitation: A 5-Year Follow-Up, 2196
- Pressure-induced Phenotypic Changes Underlie the Activation of Arterial Renin-Angiotensin System and PKC-NAD(P)H Oxidase Axis, 1236 Protective Effect of Angiopoletin-1 in Endotoxin-induced Septic Shock,
- 1459
  Reduction in Function and Differentiation of Endothelial Progenitor Cells in
- Patients with Primary Pulmonary Hypertension, 84
  Reduction of Circulating Nitrite to Nitric Oxide Across the Human Heart: a
- Novel Mechanism for Regulating Coronary Vascular Resistance, 859
  Regulation of Large Conductance Ca<sup>2+</sup>-Activated K<sup>+</sup> (BK) Channel by
- Caveolae Targeting in Vascular Endothelial Cells, 1595
  Relations of Serum Aldosterone to Measures of Endothelial Function in the
  Community: The Framingham Heart Study, 3659
- Remote Ischemic Preconditioning Provides Early and Late Protection against Endothelial Ischemia-Reperfusion Injury in Humans: Role of the Autonomic Nervous System, 1472
- Rho-kinase Mediates High Glucose-induced Plasminogen Activator Inhibitor-1 (PAI-1) Expression in Vascular Endothelial Cells, 1496
- Role of Coronary Flow Reserve with Contrast-Enhanced Dobutamine Stress Echocardiography in Predicting Outcome in Patients with Known or Suspected Coronary Artery Disease, 2728 Role of Oxidative Stress-Associated Tetrahydrobiopterin Deficiency in
- Role of Oxidative Stress-Associated Tetrahydrobiopterin Deficiency in Impaired Brachial Artery Flow-Mediated Dilation with Aging in Humans, 1180
- Selective Gene Silencing of Dimethylarginine Dimethylaminohydrolase 1 Attenuates Vascular Endothelial Cell Function, 854
- Sequence of Progression of Subclinical Cardiovascular Risk Factors and Cardiac Dysfunction in Type 1 Diabetes Mellitus, 3753
- Short-Term Granulocyte-Colony Stimulating Factor Treatment Does Not Induce Endothelial Dysfunction in Patients with Myocardial Infarction,
- Short-Term Statin Therapy, but Not Lipid-Lowering with Ezetimibe, Improves Endothelial Function in Patients with CAD: Clinical Evidence for the Relevance of Pleiotropic Effects of Statins, 374
- Sirolimus-Eluting Stent (SES) Inhibits Growth Factor Expression and Cell Proliferation without Worsening Endothelial Function in a Pig Coronary Restenosis Model, 2870
- Src And Pl3-Kinase Play A Role In Flow-Induced Dilation Of Coronary Arterioles, 343
- Stimulation of Endothelial Nitric Oxide by Peroxisome Proliferator-Activated Receptor-γ Agonists is Supported by Upregulation of Argininosuccinate Synthase Expression, 908
- Tenascin-c Mediates Cardiac Endothelial Cell Phenotype and Angiogenic Mechanisms, 1047
- Tetrahydrobiopterin and NADPH Treatment Reverses Endothelial Dysfunction in Post-ischemic Hearts, 984

The Angiotensin Converting Enzyme (ACE) is Functionally Associated with the Endothelial Cell Cytoskeleton: Influence of AC linhibitors on Nonmuscle Myosin Phosphorylation, 884

The Calcium Ionophore A23187 Causes Endothelium-Dependent Contractions in the Aorta of Wild-Type but not COX1-Knockout Mice, 163

The Cardiovascular Regulator Apelin is an Angiogenic Factor in vivo, 827
The Effect of a Six-Week Yoga Training and Meditation Program on
Endothelial Function, 1786

The Kruppel-like Factor 2 (KLF2) Regulates Endothelial Thrombotic Gene Expression, 1517

The Role of Complement in Microbubble Adherence to Dysfunctional Arterial Endothelium, 3461

Thiazolidinedione Reverses Endothelial and Exercise Disorders in Patients with Effort-Induced Angina Pectoris and Type 2 Diabetes Mellitus , 2535 TNF-α-Mediated Inhibition of Kruppel-Like Factor 2 (KLF2) in Endothelial

Cells Involves NF-κB and Histone Deacetylases, 912
Tobacco Smoke Exposure Induces Endothelial and Macrophage

Transcriptional Responses in vivo, 1916
Transplantation of Blood-Derived Progenitor Cells after Recanalization of
Chronic Coronary Artery Occlusions: Impact on Coronary Vasomotion
and Left Ventricular Remodeling, 1562

Tumor Necrosis Factor-α Receptor p75 is Required in Signaling of Adult Ischemia-Induced Neovascularization, 1069

Vegetarians Are More Vulnerable to Developing Atherosclerosis That Is Remediable by Vitamin B<sub>12</sub> Supplementation, 3765

Withdrawing Chronic Quinapril Treatment Causes Rebound Volume Overload and Endothelial Dysfunction in Rats with Myocardial Infarction, 1420

#### Endothelin

III-968

Bone Morphogenetic Protein-7 Inhibits the Release of Endothelin-1 from Human Pulmonary Smooth Muscle Cells, 1596

Bosentan Therapy For Pulmonary Arterial Hypertension (PAH) In Adult Patients With Congenital Heart Disease: A Multicenter Cooperation, 3025

Chamber-Specific Augmentation of Endothelin-1 by Pulmonary Hypertension Induces Overexpression of NGF and Right Ventricular Hyperinnervation in vivo, 221

Diacylglycerol Kinase ζ Inhibits Endothelin-1-induced Cardiomyocyte Hypertrophy, 743

Differential Regulation of Expression of Endothelin-1 and Endothelial NO synthase by Angiopoietin-1: Implications for Vasoreactivity and Endothelial Function, 732

Efficient Differentiation of Single Stem Cells from the Mouse Bone Marrow into Endothelial Cells, 333

Endogenous Endothelin-1 is Required for Cardiomyocyte Survival in vivo, 605

Endogenous Endothelin-1: A Potent Coronary Vasoconstrictor in Cardiac Transplant Recipients with Arteriosclerosis, 2717

Endothelial Cell–Specific Endothelin-1–Deficient Mice Have Normal Cardiac Function and an Unaltered Hypertrophic Response to Pressure Overload, 58

Endothelial Signaling Interactions Following Surgically Induced Acute Increases in Pulmonary Blood Flow in the Lamb, 2648

Endothelin-1 Elicits Arrhythmias in Human Atrium via Modulation of Intracellular Calcium Release, 777

Endothelin-1 Enhances Dendritic Cell Adhesion to Murine Endothelial Cells: the Protective Role of ET<sub>A</sub>- and ET<sub>B</sub> Receptor Antagonists for Reducing Dendritic Cell Adhesion, 1571

Endothelin-1, via Rho Proteins, increases the Connective Tissue Growth Factor in Vascular Smooth Muscle Cells, 1319

Excitation-transcription Coupling in Adult Myocytes: Local InsP<sub>3</sub>-dependent Perinuclear Signaling Activates HDAC Nuclear Export, 1367

Functionally Opposing Roles of Extracellular Signal-Regulated Kinase and p38 Mitogen-Activated Protein Kinase in the Regulation of Cardiac Contractility, 508

Genetic Inactivation of Vascular Endothelial Endothelin-1 in Mice is Protective against Angiotensin II-Induced Hypertension and Cardiac Fibrosis. 786

Hemodynamic Evaluation of Inhaled Aerosolized Iloprost in Heart Transplant Candidates with Pulmonary Hypertension, 2258

Hif2α, Ap-2β, and Et-1 Cooperatively Regulate Development of the Ductus Arteriosus, 271

High-Resolution Magnetic Resonance Imaging Of Human Atherosclerotic Carotid Lesions Before And After Six Months Of High-Dose Atorvastatin Therapy, 3177

Histone Acetyltransferase Activity of p300 Is Required for the Promotion of Left Ventricular Remodeling Following Myocardial Infarction in Adult Mice In Vivo, 738 Increased Sensitivity to Endothelin in Skeletal Muscle Arterioles with Aging is Mediated Through the Endothelin-A Receptor and is not Reversed with Exercise Training, 598

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Ge

He

Increased Vascular Inflammation in a Murine Transgenic Model of Endothelial Cell-restricted Endothelin-1 Overexpression, 1208 Lentin Meritates the Carriimyocyte Hymertrophic Effects of Angioten:

Leptin Mediates the Cardiomyocyte Hypertrophic Effects of Angiotensin II and Endothelin-1, 430
Native LDL Induces Endothelin-Converting Enzyme-1 in Primary Human

Native LDL induces Endothelin-Converting Enzyme-1 in Frimary Huma Endothelial Cells, 1001 Prognostic Value of Endothelin Peptides in Heart Failure: Results from

Val-HeFT, 3472 Selective ET-A Receptor Antagonism preserves GFR in a Canine Model of Cardiorenal Syndrome, 1111

Sitaxsentan Improves 6MW and Hemodynamics in Patients with Pulmonary Arterial Hypertension (PAH) Related to Connective Tissue Disease (CTD), 2602

Subdepressor Dose of a Long-Acting Calcium Channel Blocker, Benidipine, Ameliorates Diabetic Cardiac Remodeling and Normalizes the Upregulated Endothelin-1 System in the Rat, 3752

The Relationship Between Hypotension and Renal Dysfunction During Tezosentan Treatment for Acute Decompensated Heart Failure: An Analysis of the Randomized Interventions with TeZosentan (RITZ-1) Trial. 2409

Treatments for Acute Decompensated Heart Failure Have Significant International Variations: An Analysis of the Randomized Interventions with TeZosentan (RITZ-1) Trial, 2426

### Endothelium

Effect of Medical and Surgical Weight Loss on Endothelial Vasomotor Function in Obese Patients, 1468

A Cell Autonomous Defect In Response To Chemokine Sdf-1 Is Responsible For Failure Of Ischemic Endothelial Progenitor Cell Mobilization And Differentiation In Diabetes, 3846

A Central Role for Nicotinic Cholinergic Receptor-Dependent Pathways in Regulation of Endothelial Cell Migration - Novel Insights into Angiogenesis, 1048

Activated Protein C (APC) Induces Rac-dependent Endothelial Cell Barrier Protection, 380

Activation of Small G-protein RhoA Is Essential for Branching Morphogenesis in Endothelial Cell through Rho-kinase Independent Pathway, 1232

Administration of Mesenchymal Stem Cell-Derived Endothelial Cells 'Aggravated' Luminal Narrowing after Arterial Injury in Mice, 256 Advanced Life Augment and Mehilization of

Adremedullin Augments Collateral Development and Mobilization of Endothelial Progenitor Cells in Response to Acute Ischemia, 1297 Age and Exercise Training Alter Endothelial Phenotype in Cerebral

Resistance Arteries, 2280
Aldosterone Decreases Glucose-6-Phosphate Dehydrogenase Activity to Increase Vascular Endothelial Cell Oxidant Stress and Diminish Endothelial Nitric Oxide Synthase Activity, 725

Aldosterone Impairs Vascular Reactivity by Decreasing Glucose-6-Phosphate Dehydrogenase Activity, 733

Aldosterone Promotes Phosphorylation and Dissociation from Caveolin-1 of eNOS in Endothelial Cells, 858

Alpha8 Integrin Downregulation by siRNA Increases Vascular Smooth Muscle Cell Migration: Implication in Restenosis After Angioplasty, 1482 Altered Regulation Of NOS3 Enzyme Upon Increased Shear: Effects Of

The NOS3 Exon7 (G894T) Single Nucleotide Polymorphism, 850 Androgens Exert Novel Genomic and Nongenomic Effects on Human Endothelial Cells: Implications for the Gender Differences in Atherosclerosis, 1207

Angiotensin Receptor Blockade with Valsartan Normalizes Coronary Endothelial Function in Prediabetic Subjects, 377

Anti-HSP60 Autoantibodies Induce Atherosclerosis in ApoE-deficient Mice via Endothelial Damage, 661

ARF6 Regulates VEGF Receptor (KDR/Flk1) Trafficking Through Caveolae/Lipid Rafts: Role in Endothelial Migration, 1072

Big Mitogen-Activated Protein (MAP) Kinase 1 (BMK1) is a Novel Regulator of Hypoxia-Inducible Factor 1a, 1462 Blockade Of Keratinocyte-Derived Chemokine Inhibits

Blockage Of Kertainocyte-Derived Chemokine inibits
Re-Endothelialization And Enhances Neointima Formation After Carotid
Artery Injury In Apolipoprotein E-Deficient Mice, 847

BMPR-2 Signaling Promotes Pulmonary Arterial Endothelial Cell Survival: Implications for the Pathogenesis of Primary Pulmonary Hypertension,

Bone Marrow-Derived Endothelial Progenitor Cells Significantly Contribute To Exercise-Mediated Improvements Of Endothelial Repair, 698

Bst1, a Novel Member of the SPARC Family, Potentiates Growth Factor Activity and Angiogenesis, 1039

C-reactive Protein Attenuates eNOS Expression and Reendothelialization in vivo, 701

C-reactive Protein Impairs Endothelium-dependent Nitric Oxide-mediated Dilation of Coronary Arterioles via p38 Kinase and NADPH Oxidase Activation, 339

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- Cardiomyopathy Results in Reduced Endocardial Thrombomodulin Expression and Decreased Activated Protein C Activity, 834
- Caveolin-1 Knockdown Activates the Rac/Pl3-kinase/Akt Pathway in Endothelial Cells, 886
- Cell-based Gene Transfer of Angiopoietin-1 Reduces Airspace Inflammation in the Acute Respiratory Distress Syndrome (ARDS), 1417
- Cellular Origin of EDHF (H2O2) Released from Human Coronary Arterioles in Response to Shear Stress, 355
- Coronary Endothelial Dysfunction in Cardiac Transplant Recipients is Related to Elevated Levels of ADMA, 338 Delayed Reendothelialization in Diabetes is Mediated by Malfunctioning
- Bone Marrow-derived Endothelial Progenitor Cells, 369
  Dextran Sulfate LDL Apheresis Decreases Circulating Endothelial Cells and Increases Circulating Endothelial Progenitor Cells, 1497
- Differential Regulation of Expression of Endothelin-1 and Endothelial NO synthase by Angiopoietin-1: Implications for Vasoreactivity and Endothelial Function, 732
- Direct demonstration of C-Reactive Protein Production in Human Aortic Endothelial Cells, 1152
- Direct Measurement of Circulating Endothelial Cells and Preclinical Atherosclerosis, 1683
- Dominant-negative Akt impairs Endothelial Cell Survival by Mimicking the Inhibitory Effect of Electronegative LDL on FGF2 Transcription, 409
- Endogenous and Exogenous VEGF Regulates Reendothelialization and Neointima Formation in a Mouse Model of Arterial Injury, 771
- Endogenous Endothelin-1: A Potent Coronary Vasoconstrictor in Cardiac Transplant Recipients with Arteriosclerosis, 2717
- Endothelial AT1 Receptor Overexpression Produces Hypotension and Bradycardia in mMice: The Role of Nitric Oxide, 252
- Endothelial Cell Nox4 is Localized to the Endoplasmic Reticulum and
- Modulates Protein Tyrosine Phosphatase Oxidation, 749 Endothelial Dysfunction and Insulin Resistance. Beneficial Effects of
- Rosiglitazone on Type 2 Diabetes, 3748 Endothelial Expression of HIF- $1\alpha$  is a Critical Determinant of Whole-organ Glucose Uptake and Oxidation, 113
- Endothelial Lipase Acts on HDL to Activate Peroxisome Proliferator-Activated Receptor-α, 1212
- Endothelial NADPH Oxidases Are Upregulated During Vascular Aging, 754 Endothelial PAS Domain Protein 1 Gene Promotes Mature Angiogenesis by Modulating the Coordinated Expressions of Flt-1, Flk-1, and Tie2 as Well as VEGF, 1074
- Endothelin-1 Enhances Dendritic Cell Adhesion to Murine Endothelial Cells: the Protective Role of ETA- and ETB Receptor Antagonists for Reducing Dendritic Cell Adhesion, 1571
- Enhanced Platelet Adhesion Following Selective Inhibition of Cyclooxygenase-2 in Hamster Arterioles in vivo, 352
- EPC Could Predispose Regenerated Endothelium to Oxidized Low-density Lipoprotein via Activation of Bax Conformational Change Leading to Apoptosis, 704
- Epoxyeicosatrienoic Acids Released from Endothelium Stimulated by Shear Stress Hyperpolarize Arteriolar Smooth Muscle, Causing Dilation,
- Erythropoietin Prevents Neointimal Hyperplasia after Intimal Injury by Mobilizing Endothelial Precursor Cells to Accelerate Re-Endothelialization, 699
- Estradiol-Induced eNOS Activation Requires AMP-Activated Protein Kinase, 382
- Estrogen Blocks STAT1 Activation and Prevents the Induction of CD40 and CD40L Expression on Vascular Endothelial Cells Through the Estrogen Receptor-a, 997
- Evidence for a Paxillin Specialized Function in Flow Directional Remodeling of Human Endothelial Cells, 1178
- Explanted Diabetic Arteries Exhibit Increased Angiogenesis in a Novel In Vitro Human Model, 3634
- Extracellular ATP Antagonizes Thrombin-induced Hyperpermeability by Activation of Myosin Light Chain Phosphatase, 1010
- Extracellular Superoxide Dismutase Gene Therapy Reduces Cuff-induced Neointimal Formation in Rat Femoral Artery, 1239
- Factor Xa Amplifies Tissue Factor Expression in Endothelial Cells by MAPK- and NF-xB-dependent but not PI3 Kinase-Dependent Pathways, 805
- FGF2 And Osteopontin Mediate Estradiol-Induced Reendothelialization,
- FKHRL1, a Forkhead Transcription Factor Induces Endothelial Cell Apoptosis through Activation of c-Jun N-Terminal Kinase and Suppression of NF-kB. 206
- Gene Expression Profiles in Human and Mice Endothelial Cells exposed to Laminar Shear Stress, 1358
- Heme Oxygenase-1 Mediates Functional Regulation of Prostaglandin Uptake in Endothelial Cells via the Prostaglandin Transporter, 1355 Heme Oxygenase-1 Prevents Superoxide Anion-Associated Vascular Smooth Muscle Growth and Decreases Circulating Endothelial Cells in a
- Rat Model of Balloon Injury and Restenosis in Diabetes Mellitus, 1349 High-density Lipoprotein-associated Estrogen Activates Endothelial Nitric Oxide Synthase through Estrogen Receptor-β, 415

- High-Dose but not Low-Dose Atorvastatin Improves Endothelial Function of Patients with Coronary Artery Disease: Functional Evidence for Pleiotropic Effects of Statins, 376
- Human Vascular Cells Express a Distinct NOX5 Isoform: Role in the Generation of Reactive Oxygen Species and the Proliferative Response,
- Hypoxia-Induced BMPR Reduction is Associated with Different Changes in BMPR Signal Tranducers in Pulmonary Artery Endothelial Cells, 1471
- Id1 Gene Transfer to Well-Differentiated Endothelial Cell Afforded
- Angiogenic Property and Contributed to Postnatal Angiogenesis, 532 Identification of Aldose Reductase as an Obligatory Mediator of TNF- $\alpha$ Signaling in Endothelial Cells, 1060
- Impact of Exercise Training on Number and Endothelial-lineage Commitment of Circulating Stem Cells in Chronic Heart Failure, 3666
- Impact of Regular Physical Activity on the Expression of Angiotensin II Receptors and Activity of NAD(P)H Oxidase in the Left Mammary Artery of Patients with Coronary Artery Disease, 253
- Important Role of Superoxide Dismutase in EDHF-Mediated Relaxations of Human Mesenteric Arteries, 251
- Increased Circulating Endothelial Cells in Hypertensive Patients Presenting with Acute Ischemic Strokes, 703
- Increased Protein Expression of Genes Regulating Reactive Oxygen Species Production in Endothelial Cells May Contribute to Vascular Oxidative Stress with Aging in Humans, 1592
- Influence of Diabetes Mellitus, Hypercholesterolemia, and Their Combination on EDHF-Mediated Relaxations in Mice, 358
- Inhibition of Lipopolysaccharide-Induced Inflammatory Responses by an HDL Mimetic Peptide, 993
- Interaction Of P22phox With NOX2 Or NOX4 Results In ROS Production And Proliferation Of Endothelial Cells, 1359
- Isolation and Purification of a Novel L-Selectin Ligand from Human Plasma, 1567
- Living Heart Valve Tissue Engineered from Human Umbilical Cord Blood Progenitor Cells, 2481
- Losartan Stimulates Phosphorylation Of Akt And Endothelial Nitric Oxide Synthase In Endothelial Cells Independently Of Angiotensin Type 1 Receptor Blockade, 1224
- Loss of AKT-mediated Protection Against Endothelial Apoptosis by Reduced Wall Compliance, 879
- Lymphocyte-associated LIGHT Induces Proinflammatory and Prothrombotic Changes in Human Vascular Endothelial Cells, 998 Markers of Saphenous Vein Injury Correlate with Early Failure after
- Coronary Artery Bypass Grafting, 3270
- Mice Lacking Heme Oxygenase-2 Exhibit Reduced Atherosclerotic Lesion Formation and Chronic Hypoxemia, 1345
- Mice with Reduced Anticoagulant Heparan Sulfate Do Not Exhibit Compensatory Expression of 3-O-Sulfotransferase-5, 540
- Microvascular Leakage During Acute Hyperhomocysteinemia, 669 Mitochondrial Dok-4 Recruits Src Kinase and Regulates Mitochondria (Mito)-Derived Reactive Oxygen Species (ROS) and Subsequent NF-κB Activation in Endothelial Cells, 422
- Monocyte Toll-Like Receptor 2 Stimulation Leads to Increased  $\rm B_2\text{-}Integrin\text{--}Dependent}$  Migration and Firm Adhesion to Endothelial-Like Cells Under Flow Conditions., 1572
- Myocardial Endothelial Cross-Talk in Stem Cell Homing to the Heart: The Role of Hypoxia and of Hypoxia-Inducible Factor 1- $\alpha$ , 891
- Nitric Oxide and Hydrogen Peroxide Contribute to the Development of Reactive Dilation in Isolated Coronary Arterioles, 356
- Nitric Oxide Stabilizes Endothelial Barrier Function Via Activation Of Myosin Light Chain Phosphatase, 853
- NOS3 Exon7 (Glu298Asp) Polymorphism Regulates VEGF-Induced Endothelial Cell Wound Closure In Vitro: Response To Treatment With VEGF205\* Isoform, 1176
- Notch Stimulation, but Not Gridlock Homologue HERP1, Induces Arterial Specific Markers in Venous Cell Line, 152
- Nuclear Factor-xB is a Target of Peroxisome Proliferator-activated Receptor y Ligands in their Suppressive Effects on Shear Stress-induced Gene Expression and Release of Novel Vasoconstrictor Coupling Factor 6, 1174
- Obstructive Sleep Apnea Syndrome is Associated with Increased Levels of Inflammatory Markers in Untreated Newly Diagnosed Essential Hypertensive Subjects, 2044
- Physiologic Cyclic Strain Inhibits Endothelial Cell Apoptosis via the Induction of Heme Oxygenase-1, 880
- Plasma Levels of C-Reactive Protein are Associated with Early Renal Dysfunction in Newly Diagnosed Essential Hypertensive Patients, 1113
- Pleiotrophin Regulates Transdifferentiation Of Monocytic Cells Into Endothelial-like Cells, 334
- Poxviral Cross-Class Proteinase Inhibitors Reduce Plaque Growth and Alter Arterial Apoptotic Responses and Cellular Apoptosis, 881
- Prolonged Activation Of AMP-Activated Kinase (AMPK) Protects Against H<sub>2</sub>O<sub>2</sub>-Mediated Endothelial Cell Death, 1065
- Prostaglandins are Involved in the Early Myocardial Protective Effect Observed after Periodic Acceleration-CPR (pGz-CPR), 1632

- Quercetin-glucuronide (QG) Prevents Microcirculatory Complications
  Acutely Caused by Simultaneously Activated PMN and Platelets (P) in
  the Human Heart, 599
- Rac Controls Endothelial Proliferation And Angiogenesis By Thrombin: Role Of Hypoxia-Inducible Factor-1 And Its Target Gene Plasminogen Activator Inhibitor-1, 1042
- Ras Mediates Angiotensin II-dependent Increase in Nitric Oxide Synthase Expression in Pulmonary Endothelium, 730
- Reduced Sensitivity to Wall Shear Stress in Arterioles of PECAM Knockout Mice due to Impaired Mechanotransduction, 1066
- Reduction in Function and Differentiation of Endothelial Progenitor Cells in Patients with Primary Pulmonary Hypertension, 84
- Regulation of Endothelial Cell and Endothelial Progenitor Cell Survival and Vasculogenesis by Integrin-Linked Kinase: Protection from Detached and Nutrient-Deprived Stress, 329
- Regulation Of Endothelial Progenitor Cells By Running Exercise Of Different Duration And Intensity In Healthy Subjects, 3572
- Reversal of Monocrotaline-Induced Pulmonary Hypertension by Administration of Endothelial Progenitor Cells (EPCs) Transfected with Endothelial NO synthase (eNOS), 1123
- Reversal of Vascular Dysfunction in Subjects at Risk of Type 2 Diabetes Mellitus, 3855
- Rho-Kinase as a Molecular Target for Insulin Resistance and Hypertension, 790
- Role of IQGAP1 in Rac1 and Reactive Oxygen Species-dependent VEGF Signaling Linked to Angiogenesis, 1245
- Role of Toll-Like Receptor 2 and Toll-Like Receptor 4 in Postischemic Coronary Endothelial Dysfunction in Mice, 157
- Rrecruitment of Endothelial Progenitor Cells into Lipopolysaccharide-Stimulated Mouse Aortic Endothelium, 719
- Selective Inhibitors of Tyrosine Phosphatase 1B Correct Endothelial Dysfunction of Small Peripheral Arteries in Mouse Heart Failure, 727
- Serpins A Link between The Thrombolytic and Innate Immune Response Pathways, 837
- Shear Stress Directs Mouse Embryonic Stem Cell Differentiation into Cardiovascular Lineage, 454
- Small Molecule CXCR4 antagonist Accelerates Reendothelialization by Mobilization of Bone Marrow-Derived Endothelial Progenitor Cells, 153 Suppression of the DNA-Damage Kinase Chk2 by Caffeine Leads to
- Functional Improvement in Endothelial Progenitor Cells, 1682
  Targeting CD40 Function with a Selective Phage Display Derived Peptide
- Antagonist, 1564
  Telomere Length Predicts Premature Senescence of the Vascular
- Endothelium in Patients with Risk Factors for Cardiovascular Diseases, 368
- TGFβ1-induced Endothelial Cell Trans-differentiation Causes MMP9-Associated Calcification, 1179
- The Calcium Ionophore A23187 Causes Endothelium-Dependent Contractions in the Aorta of Wild-Type but not COX1-Knockout Mice, 163
- The Endothelial S-Nitroso-Proteome: Mitochondrial Localization and Target Protein Identification, 1591
- The Klotho Gene Protects Endothelial Function and Regulates
  Homeostasis through the Phosphatidylinositol 3'-kinase/Akt/Nitric Oxide
  Pathway, 734
- The Kruppel-like Factor 2 (KLF2) Regulates Endothelial Thrombotic Gene Expression, 1517
- The Kruppel-Like Factor KLF2 is a Novel Inhibitor of Angiogenesis via Repression of the VEGF Receptor VEGFR2 (KDR/flk-1), 828
- The Src-Dependent Phosphorylation of PECAM-1 Mediates the Activation of eNOS in Endothelial Cells in Response to Fluid Shear Stress, 1172
- The Thrombin Receptor Thrombomodulin Activates the Endothelial NO Synthase through a Src-Dependent Signaling Pathway, 887
- The Tyrosine Phosphatase SHP-1 Downregulates Endothelial NAD(P)H-Oxidase Activity Through Pl3-Kinase Dependent Inhibition of Page 1751
- Thioredoxin-interacting Protein Controls Endothelial Cell Apoptosis and Oxidative Stress in Hyperglycemia, 1243
- Tissue Angiotensin I-II Conversion is Mediated Exclusively by the ACE C-Domain, 255
- Transfer of Endothelial Progenitor Cells Attenuates Myocardial Dysfunction Induced Following Experimental Myocarditis, 99
- Transplantation of Human Embryonic Stem Cell-derived Vascular Progenitor Cells for Vascular Regeneration, 1457
- Transplanted Monocytic CD11b-Positive Cells Contribute to Repair Mechanisms after Vascular Injury, 1177 Vaccination against VEGF Receptor 2 blocks Initiation and Progression of
- Atherosclerosis, 370
- Vascular Cell Adhesion Molecule-1 Mediates Adhesion of Mesenchymal Stem Cells to Cardiac Microvascular Endothelium, 1201
- Vascular Endothelial Growth Factor (VEGF) Mediates Leukocyte Trafficking Into Allografts Via Interaction With The Chemokine MCP-1, 660

Endothelium-derived relaxing factor

- Agonism at Endothelial  $\beta$ 3 Adrenoceptors Mediates the NO-Dependent Proangiogenic and Vasodilatory Effect of the Third-Generation  $\beta$ -Blocker Nebivoloi, 670
- Cardioprotective Role of Hydrogen Peroxide, an Endogenous EDHF, on Ischemia-Reperfusion Injury in Canine Coronary Microcirculation in Vivo, 359
- Coupling Factor 6 Induces Vasoconstriction of Coronary Arterioles in Hypertensive Rats via a Suppression of Cytochrome P-450 Metabolites, 357
- Endothelial C-type Natriuretic Peptide Regulates Coronary Blood Flow and Prevents Ischemia-Reperfusion Injury, 361
- Endothelium-Derived Hydrogen Peroxide Accounts for the Enhanced EDHF-Mediated Relaxation by Long-Term Treatment with an Angiotensin-Converting Enzyme Inhibitor in Mice, 362
- Epoxyeicosatrienoic Acids Released from Endothelium Stimulated by Shear Stress Hyperpolarize Arteriolar Smooth Muscle, Causing Dilation, 360
- Important Role of Superoxide Dismutase in EDHF-Mediated Relaxations of Human Mesenteric Arteries, 251
- Influence of Diabetes Mellitus, Hypercholesterolemia, and Their Combination on EDHF-Mediated Relaxations in Mice, 358
- Interaction of Two Distinct Endothelium-Derived Hyperpolarizing Factors in the Human Coronary Microcirculation, 861
- Long-term Inhibition of RhoA Enhances Endothelial NO Production and Reduces Vascular Tone in an Intact Artery, 731
- Nitric Oxide-Mediated Endothelial Dysfunction with Increase in Superoxide Production is Compensated by EDHF in Spontaneously Hypertensive Rats. 865
- Regulation of Large Conductance  $Ca^{2+}$ -Activated  $K^+$  (BK) Channel by Caveolae Targeting in Vascular Endothelial Cells, 1595
- Role Of Soluble Epoxide Hydrolase In Postischemic Recovery Of Heart Contractile Function, 808
- Sulfaphenazole, an Inhibitor of Cytochrome 2C9, Ameliorates Impaired NO-mediated Coronary Vasodilation in Spontaneously Hypertensive Rats: Direct In Vivo Visualization of Beating Rat Hearts, 342
- The Soluble Epoxide Hydrolase is a Main Effector of Angiotensin II-Induced Hypertension, 789

# Energy metabolism

- A Role for Estrogen-Related Receptor- $\alpha$  in the Postnatal Cardiac Maturation Program, 1380
- Abnormal Cardiac and Skeletal Muscle Function and Energetics Correlate with Insulin Resistance in Heart Failure, 1608

En

Ep

- Activation of AMP-Activated Protein Kinase Inhibits Cardiac Myocyte Hypertrophy Induced by Akt, 918
- Cardiac Repair with Mesenchymal Stem Cells following Myocardial Infarction in Plos. 815
- Cardiac-selective Ablation of Calcineurin b1 in vivo Alters Cardiac Energetic and Growth Programs, 756
- CPT1 Flux is Reduced More than Krebs Cycle Flux in Hypertrophied Hearts with Compensatory Increases in Anaplerosis and NADH Shuttling, 1332
- Decreased Myocardial Efficiency and Increased Fatty Acid Oxidation Characterize ob/ob and db/db Mouse Hearts Prior to the Onset of Hyperglycemia, 1547
- Hyperglycemia, 1547
  Disappearance of Pre-Excitation in Glycogen Storage Cardiomyopathy with Arresting of *PRKAG2* Transgene Expression, 1108
- Does Right-Shifting Hemoglobin-Oxygen Dissociation Attenuate Exercise-Induced Ischemia in Patients with Coronary Artery Disease?, 2835
- Downregulation of PPARa in Mouse Heart Subjected to Repetitive Ischemia-Reperfusion is Necessary to Maintain Contractile Function, 115
- Dual Mechanisms of AMP-activated Protein Kinase Regulation in the Ischemic Heart, 1549
- Effects of Cariporide on Myocardial Energy Metabolism during Resuscitation from VF, 2489
- Endothelial Dysfunction In Mitochondrial Diseases: Role Of Oxidative Stress, 728
- Enhanced Cardioprotective Efficacy of a Drug Combination Designed to Minimize Myocardial Proton Production from Glucose Metabolism, 518 ERK MAPK Regulation of Cardiac Retinoid X Receptor Is Involved in
- Impaired Fatty Acid β-Oxidation During Hypetrophic Growth, 946
  Fast Dynamics of Mitochondrial Ca<sup>2+</sup> Uptake During Excitation-Contraction
- Coupling in Adult Cardiac Myocytes, 617 Fatty Acid Compromises Cardiac Glucose Oxidation through Attenuation
- of Insulin-Stimulated Akt Phosphorylation and Induction of Fuel-Metabolizing Genes via Protein Kinase C (PKC) Activation, 1004 Gene Expression Profile for Energy Production in Failing Human Hearts
- and its Modulation by β-Blocker Therapy, 2033
  Hearts from Malonyl CoA Decarboxylase Null Mice are Protected from Ischemic Damage, 1544
- High-Fat Diet-Induced Obesity In Mice Results In High Cardiac Fatty Acid
  Oxidation Rates And The Development Of Cardiac Insulin Resistance,
  1552

- Impact of Short-term and Long-term Activation of Akt on Myocardial Glucose Utilization, 1333
- Intracellular AMP Inhibits PKA to Attenuate β-Adrenergic Signaling: Evidence from Isolated Cardiac Cells and AMP Deaminase 3 Knockout
- Knockout of the  $\alpha_2$  AMP-Activated Protein Kinase Isoform Decreases the Metabolic Response of the Heart to Ischemia, 112
- Mesenchymal Stem Cells Overexpressing AKT Prevent Cardiac Metabolic Remodelling After Infarction, 818
- Moderate Ethanol Consumption Improves Mitochondrial Function and Cardiac Energetics during Oxidative Stress: Roles of PKC€ and Akt, 969
- Modulation of Voltage-Dependent Anion Channel (VDAC) by Bcl-2 Reduces Mitochondrial ATP Uptake and Hydrolysis and Mimics Protective Effects of Diazoxide During Ischemia, 971
  Myocardial Deficiency of PPAR-y Leads to Increased Fibrosis in Response
- to Pressure Overload Hypertrophy, 1535
- Na-H Exchange Inhibition Prevents Mitochondrial Remodeling in Post Infarction Heart Failure, 487
- Nuclear Respiratory Factor 1 (NRF1) Inhibits Upstream Stimulatory Factor 1 (USF1)-Dependent Transactivation of the Cardiac Isoform of Acetyl-CoA Carboxylase, 39
- Overexpression of AKT in Mesenchymal Stem Cells Improves ATP Production Under Hypoxia by Increasing Glucose Uptake and Mitochondrial Enzyme Activity: a Possible Explanation for Increased Resistance to Apoptosis, 267
- Postnatal Deletion of Myocardial Insulin Receptors Augments Myocardial Fatty Acid Utilization and Enhances Mitochondrial Biogenesis, 1553 Pressure Overload and Neurohumoral Activation Differentially Affect the Myocardial Proteome, 1264
- Proteomic and Metablolomic Analysis Reveals a Crucial Role of PKC-δ in Cardiac Metabolisms and Cardioprotection, 514
- Reduced ATP Synthesis Through Creatine Kinase in Failing and
- Non-Failing Hypertrophied Human Myocardium, 1548
  Regional Absence of Mitochondria Causing Energy Depletion in the Failing Myocardium of the MLP Knockout Mouse, 976
- Regulation of Cardiac α- and γ -AMPK Subunit Isoforms in the In Vivo Ischemic Heart, 1329
- The MHC-PPARα Mouse Model of the Diabetic Heart Exhibits Increased Pathologic Remodeling following Myocardial Infarction, 110
- Tumor Necrosis Factor Suppresses Cardiac Mitochondrial Fatty Acid β-oxidation: Potential Role of Transforming Growth Factor-β, 602 Zebrafish (Danio rerio) model of Barth Syndrome, 215

## **Enzyme inhibitors**

- A Selective Inhibitor of ACAT-1 Accelerates Plaque Stabilization in Atherogenic Lesions Without Affecting Plasma Cholesterol, 586
- Cystatin C Deficiency Increases Elastic Lamina Degradation and Aortic Dilatation in Atherosclerotic Mice, 385
- Effects of Cholesteryl Ester Transfer Protein Inhibition on High-Density Lipoprotein Subspecies and Apolipoprotein A-I Metabolism, 684
- HDL Elevation by the CETP-Inhibitor Torcetrapib Prevents Aortic Atherosclerosis in Rabbits, 1168
- Tissue Angiotensin I-II Conversion is Mediated Exclusively by the ACE

# **Epidemiologic methods**

- β<sub>2</sub>-Adrenergic receptor gene and elevated blood pressure: The Copenhagen City Heart Study, 88
- A Prospective Study of Soluble TNF- α Receptor 2 (Stnf-RII) and Risk of Coronary Heart Disease among Women with Type 2 Diabetes, 3576 ADVANCENT, The National Registry to Advance Heart Health 5th, Tall
- Stature Increases the Risk of Atrial Fibrillation (AF) in Patients with Impaired Left Ventricular Function (LVD), 3099
- Allometric Relationships of Cardiovascular and Metabolic Factors to Height and Adiposity: The Atherosclerosis Risk in Communities (ARIC) Study,
- Association between the Estrogen Receptor  $\alpha$  Gene Variation and Measures of Adiposity: the Framingham Heart Study, 3726 Association of Triglyceride-to-HDL Cholesterol Ratio with Prevalent Cardiovascular Disease in Patients with Diabetes, 3612
- Carotid Plaque, Not Intimal-Medial Thickness, Predicts Clinical Cardiovascular Disease: The Strong Heart Study, 3688
- Chronic Kidney Disease is the Strongest Predictor of Developing Anemia in Heart Failure: The Kaiser Permanente CHF Cohort Study, 3344
- Consumption of Trans Fatty Acids and Plasma Markers of Inflammatic and Endothelial Dysfunction, 3739
- Coronary Artery Calcification and Myocardial Perfusion in Asymptomatic Adults: the Multi-Ethnic Study of Atherosclerosis (MESA), 3687
- Coronary Risk Factors and Myocardial Perfusion in Asymptomatic Adults: the Multi-Ethnic Study of Atherosclerosis (MESA), 3710 Diabetes, Glucose Level, and Risk of Primary Cardiac Arrest, 3844
- Does Advanced Lipoprotein Testing Improve Identification of Subclinical Atherosclerosis in Young Adults? The Bogalusa Heart Study, 3758 Evaluation of a Specific Activity Questionnaire to Predict Mortality in Patients Referred for Exercise Testing, 2612

- External Validation of the Global Registry of Acute Coronary Events (GRACE) Risk Model in a Population With New Definition MI, 2673
- Gene Variants in Myocardial Potassium Channel Genes KCNQ1 and KCNH2 Act Additively to Modify the QT Interval., 1103
- Genome Scan for Calcified Atherosclerotic Plaque in the Coronary Arteries: Evidence for Linkage to Chromosomes 4q and 10p from the NHLBI Family Heart Study, 3798
- Heart Failure after Myocardial Infarction: The Role of Mitral Regurgitation, a Community-Based Study, 3719
- Impact of C-reactive Protein on the Likelihood of Peripheral Arterial Disease in US Adults with Metabolic Syndrome, Diabetes, and Pre-existing Cardiovascular Disease, 2441
- Incidence, Prevalence, And Prognostic Impact Of Pulmonary Arterial Hypertention: A Population-Based Study, 3423
- Long-Term Survival after OPCAB or CCAB: Findings in Northern New England, 3536
- Lower Hemoglobin Level Increases Risk of Death and Hospitalization Independent of Kidney Function in Heart Failure: The Kaiser Permanente CHF Cohort Study, 2581
- Metabolic Syndrome, its Preeminent Clusters, and the Increased Risk of Incident Coronary Heart Disease, 3843
- Moderate Alcohol Intake and Markers of Inflammation and Endothelial Dysfunction among Diabetic Men, 3578
- NAD(P)H Oxidase and MRP Genetic Polymorphisms are Associated with
- Doxorubicin-induced Cardiotoxicity, 3730

  Overall and Sex-Specific Trends and Prognosis of Ischemic Stroke Following Incident Atrial Fibrillation: Data from 2 Decades (1980-2000),
- Patients With Minor Elevations In Pulmonary Artery Pressure Have Increased Mortality, 2753
- Peripartum Cardiomyopathy May Be More Common Than Previously Reported, 3528
- Population Implications of More Aggressive Low-Density Lipoprotein Cholesterol Treatment Goals in 'High-Risk' American Adults: NHANES 1999-2000. 3701
- Preoperative Statin Treatment is Associated with Reduced Postoperative Complications and Morbidity in Cardiac Surgery Patients: An 8-Year Retrospective Study, 2372
- Prevalence of Valvular Heart Disease and Trends with Aging: Data from the National Heart, Lung, and Blood Institute Population-based Studies, 3720
- Relations of C-Reactive Protein to Inflammatory Conditions in Men and Women: Implications for Cardiovascular Disease Risk Prediction , 3761
- Risk of First Congestive Heart Failure Following Incident Atrial Fibrillation and Trends over 2 Decades (1980-2000), 2239
- The Long-Term Impact of Social Deprivation on Heart Failure: A Population-Based Study, 3525
- The New Criteria for the Diagnosis of Myocardial Infarction: Prospective Evaluation in the Community, 3059
- Trends in Cardiovascular Complications of Diabetes: the Framingham Heart Study, 3746
- Trends In Heart Failure Outcomes for Black and White Medicare Patients, 3696

# Esterases

C1 Esterase Inhibitor Decreases Inflammatory Insult Associated With Neonatal Cardiopulmonary Bypass, 2647

- $\alpha$  Myosin Heavy-Chain Gene Expression is Increased as an Early Adaptation to Exercise, 2609
- β<sub>3</sub>-Adrenergic Receptor Activation Contributes to Exercise Intolerance in Heart Failure, 2034
- A Cross-Sectional Study of Exercise Performance During the First Two Decades of Life following the Fontan Procedure, 1838
- A Personal Health Planning Intervention to Modify Dietary and Exercise Behavior, 3571
- A Randomized Trial Assessing the Impact of Cardiovascular Risk Factor Case Management on the Metabolic Syndrome, 3707
- A Two-year Exercise Program in CHD Patients Improved Physical Performance without Inducing Left Ventricular Remodeling, 3825
- Adverse Psychological and Coronary Risk Profiles in Young Patients and Benefits of Formal Cardiac Rehabilitation, 3664
- Aerobic Exercise Training Improves Endogenous Fibrinolysis in Postmenopausal Women, 3667
- Age and Exercise Training Alter Endothelial Phenotype in Cerebral Resistance Arteries, 2280
- Akt1 Promotes Physiologic, but Antagonizes Pathologic, Cardiac Growth, 735
- Anabolic Steroids Exacerbate Cardiac Hypertrophy and Activate Local Renin-Angiotensin System in Exercise-Trained Rats, 143
- Angiotensin-Converting Enzyme Genotype is not associated with Exercise Capacity in Patients after Acute Myocardial Infarction, 3670 Beneficial Effect of Exercise Training on Cardiac Function is Lost in Mice

that Overexpress Endothelial NO Synthase, 1432

- Bone Marrow-Derived Endothelial Progenitor Cells Significantly Contribute To Exercise-Mediated Improvements Of Endothelial Repair, 698
- Cardiac Rehabilitation as a Treatment for Psychological Morbidity, Symptom Severity, and Cardiovascular Risk Factors in Women with Cardiac Syndrome X, 3829
- Cardiac Resynchronisation Therapy Improves Overall Cardiac Pump Function During Peak Exercise But Not At Rest, 2503
- Cardiac Resynchronization Therapy Acutely Improves Indicators Of Cardiac Function During Peak Exercise: A Randomized Controlled Trial,
- Cardiorespiratory Fitness Levels in Obesity Approximate Those of Heart Failure Patients: Implications for Exercise Prescription, 3795
- Cardiovascular Training Effect Associated with Polestriding Exercise in Patients with Peripheral Arterial Disease, 3083
- Chemoreflex and Metaboreflex Control During Static Hypoxemic Exercise., 1408
- Chronic Exercise Training Improves Aging-Induced Decrease Fatty Acid Metabolic Capacity Through Peroxisome Proliferator-Activated Receptor (PPAR)- $\alpha$  Signaling in the Heart, 3821
- Chronic Inflammation and Ischemic Events in Coronary Artery Disease: The Impact of Physical Exercise, 3574
- Delayed Calf Muscle Phosphocreatine Recovery Postexercise Identifies Peripheral Arterial Disease, 2443
- Depression and Hopelessness as Psychological Predictors of Exercise Frequency and Physical Functioning in Patients with Acute Coronary Syndrome, 1962
- Effect of Cariporide on Left Ventricular Performance and Cardiac Efficiency in Heart Failure: Assessment by Pressure-Volume Analysis, 3149
- Effect of Exercise Training on Exercise Capacity, Quality of Life, and Flow-Mediated Arterial Dilation in Elderly Patients with Diastolic Heart
- Effect of Exercise Training on Myocardial Blood Flow in Patients with
- Stable Coronary Artery Disease, 2606 Effect of Short-Term Exercise Training on AV Conduction and Exercise Capacity in Patients with Chronic Atrial Fibrillation, 3669
- Effects of Concentric and Eccentric Muscle Exercise on Lipid and Glucose Metabolism in Healthy Sedentary Individuals, 3826
- Effects of Exercise and Ischemia on Mobilization and Functional Activation of Blood-derived Progenitor Cells in Patients with Ischemic Syndromes,
- Electron Spin Resonance Investigation on Modulatory Effects of Aerobic Physical Exercise on Membrane Microviscosity in Essential Hypertension, 3824
- Endurance Exercise Training Improves Endothelial Function in Older Individuals, 2605
- Exercise Blood Pressure Predicts Left Ventricular Mass in Pre-Hypertensive, Middle-aged Men and Women, 2611
- Exercise Improves Reverse Cholesterol Transport in Asian Indians, 3673 Exercise Training Attenuates Aging-Related Left Ventricular Systolic Dysfunction in Mice: A Strain-Rate Study, 3313
- Exercise Training Enhances Arterial Baroreflex Sensitivity by an Angiotensin II-Dependent Mechanism, 1405
- Exercise Training Improves Left Ventricular Diastolic Function and Increases Vascular Structure in Elite Athletes, 2608
- Exercise Training Preferentially Reduces Central Adiposity in Obese Children and Adolescents, 3595
- Exercise Training Prevents Cardiac Dysfunction And Altered Sarcoplasmic Calcium Reuptake In A Genetic Model Of Cardiomyopathy Induced By Sympathetic Hyperactivity, 2607
- Gene Expression Profile, Coronary and Peripheral Vascular Function in Spontaneously Hypertensive Rats following Chronic Voluntary Exercise,
- High Sensitive C-reactive Protein is Reduced by Exercise Training in Chronic Heart Failure Patients: A Prospective, Randomized, Controlled
- High- but not low-Intensity Exercise Training Leads to a Reduction of Atherogenic Adhesion Molecules in Both Diabetic and Nondiabetic Patients With Coronary Artery Disease, 3668
- High-Intensity Exercise Retards the Decrease in Plasma B-Type Ntriuretic Peptide in Patients with Left Ventricular Dysfunction after Acute Myocardial Infarction, 3828
- Ibutilide-induced QT Prolongation Varies Markedly Among Individuals in a Gender and Exercise-independent Fashion, 2895
- Impact of Exercise Training on Number and Endothelial-lineage Commitment of Circulating Stem Cells in Chronic Heart Failure, 3666 Increased Phospholamban Phosphorylation with Exercise Training
- Improves Diastolic Function in Hypertension, 292 Increased Sensitivity to Endothelin in Skeletal Muscle Arterioles with Aging is Mediated Through the Endothelin-A Receptor and is not Reversed with Exercise Training, 598
- Measurement of Myocardial Free Radical Production During Exercise Using EPR Spectroscopy, 340
- National Trends in Behavioral Risk Factors Among Black and White Adults,

Noninvasive Parameters of Diastolic Function Reflect Invasively Measured Filling Pressures During Exercise, 2235

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- Omapatrilat Improves Left Ventricular Arterial Coupling and Mechanical Efficiency and Restores Normal Exercise Response in Heart Failure, 3371
- Physical Activity and Diabetes Risk in Postmenopausal White, Black, Hispanic, and Asian Women: The Women's Health Initiative Observational Study, 3570
- Physical Activity Patterns in Heart Transplant Women, 1860 Physical Exercise Reduces Vascular Free-Radical Production, 1241
- Reduced Contribution of Spirometric Abnormalities to Exercise Capacity in Patients with More Symptomatic Heart Failure, 2498
- Regular Exercise Reduces Arterial Blood Pressure at Rest and During Exercise in Preschool Children: A 2-Year Cluster-Randomized Controlled Trial, 3569
- Regulation Of Endothelial Progenitor Cells By Running Exercise Of Different Duration And Intensity In Healthy Subjects, 3572
- Relationship between Vigorous Physical Exercise and the Development of Atrial Fibrillation in Men, 3096
- Roles of Fatness and Fitness as Cardiovascular Risk Factors for Women: A Report from the Women's Ischemia Syndrome Evaluation, 3792
- Safety of Sports in Patients with Implantable Cardioverter Defibrillators: A Survey of NASPE-Heart Rhythm Society Members, 2908
- School-Based Exercise Intervention Increases Free Living Exercise Behaviors In Children, 3081
- Sirolimus-Eluting Stents Associated With Abnormal Coronary Vasomotion,
- Telemonitoring Facilitates a Sustained 12-month Response to Exercise Training in Patients with Chronic Heart Failure, 2970
- The AA Genotype of the TNF-α G-308A Polymorphism is Associated with Elevated C-Reactive Protein Levels in White and Black Adults; The HERITAGE Family Study, 435
- The Effects of Aging and Fitness on Myocardial Relaxation, 2957 The Prognostic Value of Exercise Capacity in Women: Nomogram for the Female Population, 2610
- Thiazolidinedione Reverses Endothelial and Exercise Disorders in Patients with Effort-Induced Angina Pectoris and Type 2 Diabetes Mellitus, 2535
- Tie2 Signaling is Required for Exercise-induced Skeletal Muscle Angiogenesis, 825
- Transient Deterioration of Neurohumoral and Hemodynamic Adaptation to Endurance Exercise in Chronic Heart Failure Patients, 3822
- Vagal HR Regulation is Enhanced with Interventions to Reduce Psychological Stress and Depression: A Meta-Analysis, 3646
- Voluntary Running Induces Fiber Type-Specific Angiogenesis in Mouse Skeletal Muscle, 529

# Exercise tests

- $\beta$ -Adrenergic Receptor ( $\beta$ -AR) Subtypes Have Opposing Effects On Survival And Cardiac Function in MLP Cardiomyopathy, 939
- A Cross-Sectional Study of Exercise Performance During the First Two Decades of Life following the Fontan Procedure, 1838
- Association of Functional Status and Heart Rate and Rhythm at Rest and in Response to Exercise in 508 Fontan Patients 6-18 Years of Age, 2078
- Baseline 6 Minute Walk Distance in the Sudden Cardiac Death Heart Failure Trial, 3131
- Cardiac Resynchronization Acutely Reduces Dynamic Functional Mitral Regurgitation In Heart Failure: A Study Using Quantitative Doppler Exercise Echocardiography, 3447
- Cardiopulmonary Exercise Testing Cannot Distinguish Between Patients with Diastolic and Systolic Heart Failure, 2494
- Cause of Correlation Failure Between Cardiopulmonary Exercise Testing and Six-minute Walk Distance in Patients with Pulmonary Arterial Hypertension, 2496
- Delayed Heart-rate Recovery is Associated with Subclinical Left Ventricular Dysfunction and Impaired Exercise Capacity in Diabetic Patients, 2295
- Does Inappropriate Exercise Blood Pressure Response in Patients with Controlled Hypertension Predict a Worse Outcome?, 2500 Effect of Physical Fitness on Serum C-Reactive Protein in Subjects with
- the Metabolic Syndrome, 3552 Effects of Metformin on Endothelial Function, Aortic Stiffness, and Exercise
- Tolerance in Diabetic Patients With Stable Angina, 2542 End-tidal PCO2 and Physiological disease severity in Patients with Primary
- Pulmonary Hypertension (PPH), 2495
- Evaluation of a Specific Activity Questionnaire to Predict Mortality in Patients Referred for Exercise Testing, 2612
- Ex vivo Pretreatment with the eNOS Enhancer C2431 Improves Functional Capacity of Progenitor Cells and Increases Exercise Capacity after Cell Transplantation in the Ischemic Hind Limb Model, 851
- Exercise Echocardiography: New Investigation to Select Heart Failure Patients for Biventricular Pacing, 2021
- Exercise-Induced ST-Segment Elevation Indicates Severe LV Dysfunction and Predicts Future Cardiac Events in Patients with Nonischemic Dilated Cardiomyopathy, 2499

- Heart-Rate Recovery After Cardiopulmonary Exercise Testing Predicts Mortality In Patients With Chronic Heart Failure, 2297
- Hysteresis of Heart Rate and Oxygen Uptake between Exercise and Recovery Indicates Disease Severity in Primary Pulmonary Hypertension, 2296
- Incidence and Risk Distribution of Heart Failure in Grown ups with Congenital Heart Disease in the Long-Term Follow-up After Cardiac Surgery, 3633
- Metabolic Modulation With Perhexiline Improves Myocardial Function in Ischemic Heart Failure, 3146
- More Severe Perfusion Defects with Treadmill Exercise Compared to Dipyridamole Stress, 3049
- Muscle Strength of Legs Necessary to Carry out Target Activities of Daily Living in Patients with Acute Myocardial Infarction Undergoing Phase I Cardiac Rehabilitation, 3827
- Nitroaspirin Prevents Effort-Induced Endothelial Dysfunction in Intermittent Claudication, 2437
- Noninvasive Parameters of Diastolic Function Reflect Invasively Measured Filling Pressures During Exercise, 2235
- Oscillatory Breathing During Exercise Predicts The Presence Of Central Sleep Apnea In Patients With Heart Failure, 2765
- Percutaneous Pulmonary Valve Implantation Improves Haemodynamics And Early Exercise Capacity, 2066
- Plasma B-type Natriuretic Peptide Levels in the Subacute Phase are
- Predictive of Exercise Performance after Myocardial Infarction , 2502 Prognostic Significance of Silent Myocardial Ischemia During Exercise Stress Testing, 2501
- Prognostic Value of Cardiopulmonary Exercise Testing In Heart Failure Patients with Preserved Systolic Function, 2497
- Quantitative Exercise Echocardiographic Assessment of Asymptomatic Aortic Valve Stenosis: Prognostic Implications, 3279
- Regular Exercise Reduces Arterial Blood Pressure at Rest and During Exercise in Preschool Children: A 2-Year Cluster-Randomized Controlled Trial, 3569
- Relationship Between Delayed Heart Rate Recovery after Exercise and Carotid Atherosclerosis, 2293
- Resting Heart Rate and Change in Exercise Heart Rate as Predictors of Mortality in Patients with Heart Failure, 2246
- Role of Heart Rate Reserve in Risk Stratification of Patients With Known or Suspected CAD Undergoing Stress Echocardiography, 2294
- Scintigraphic Myocardial Ischemia and Nonsignificant Coronary Lesions by Angiography: False-Positive Results or Underestimated Atherosclerosis? Insights from Intravascular Ultrasound and Coronary Pressure Measurements, 3165
- The Combined Effect of Peak VO2 and VE/VCO2 Slope on Predicting Survival in Patients with Congestive Heart Failure, 1751
- The Fontan Cross-Sectional Study: Testing for Correlations Among Health-Related Quality of Life, Maximal Exercise Performance, and Ventricular Mass-to-Volume Ratio, 2076
- The Magnitude and Mechanisms by Which Cardiac Rehabilitation Improves the Exercise Function of Children with Congenital Heart
- The Prognostic Value of Exercise Capacity in Women: Nomogram for the Female Population, 2610

# Expired gas analysis

- Cardiopulmonary Exercise Testing Cannot Distinguish Between Patients with Diastolic and Systolic Heart Failure, 2494
- End-tidal PCO<sub>2</sub> and Physiological disease severity in Patients with Primary Pulmonary Hypertension (PPH), 2495
- Oscillatory Breathing During Exercise Predicts The Presence Of Central Sleep Apnea In Patients With Heart Failure, 2765
- Prognostic Value of Cardiopulmonary Exercise Testing In Heart Failure Patients with Preserved Systolic Function, 2497
- Reduced Contribution of Spirometric Abnormalities to Exercise Capacity in Patients with More Symptomatic Heart Failure, 2498
- The Combined Effect of Peak VO2 and VE/VCO2 Slope on Predicting
- Survival in Patients with Congestive Heart Failure, 1751 The Magnitude and Mechanisms by Which Cardiac Rehabilitation Improves the Exercise Function of Children with Congenital Heart Disease, 1837

# Extracellular matrix

- Lesional Overexpression of Matrix Metalloproteinase-9 Promotes Intraplaque Hemorrhage in Advanced Lesions, but not at Earlier Stages of Atherogenesis, 1181
- Local Delivery of Osteopontin Attenuates Vascular Remodeling by Altering MMP-2 Activity in a Rabbit Model of Aortic Injury, 1512
- A Critical Role for a gp91phox-containing NADPH Oxidase in Interstitial Cardiac Fibrosis, 895
- A Novel Mouse Model of Myxomatous Valvular Degeneration, 214 A Novel Orally Available Transforming Growth Factor-β Inhibitor Prevents
- Myocardial Fibrosis and LV Diastolic Stiffness in a Transgenic Mouse Model of Tumor Necrosis factor Overexpression, 302
- A Tissue Engineered Myocardial Patch Derived from Extracellular Matrix Performs Regional Mechanical Work, 1884

- Alpha8 Integrin Downregulation by siRNA Increases Vascular Smooth Muscle Cell Migration: Implication in Restenosis After Angioplasty, 1482
- Ang II Activates the Smad Signaling Pathway: Potential Role in Vascular Fibrosis, 410
- Anticoagulant Heparan Sulfate Mediates Endothelial Endocytosis of Antithrombin, 836
- Blockade of Matrix Metalloproteinase (MMP)-2 Exacerbates Myocardial Inflammation and Dysfunction in Tumor Necrosis Factor (TNF)-α-induced Cardiomyopathy, 2949
- Bone Morphogenic Protein 7 (BMP-7) is an Endogenous Inhibitor of Cardiac Fibrosis and Attenuates Conversion of Endothelial Cells into Fibroblasts, 1900
- Caspase-1-Independent Activation of Interleukin-18 by Matrix Metalloproteinases as a Novel Proatherogenic Pathway, 1492
- Changes in Specific Matrix Metalloproteinase Levels and Fibroblast Function Accompany the Age-related Increase in LV Mass, 975
- Chronic Matrix Metalloproteinase Inhibition following Myocardial Infarction in Mice: Differential Effects on Short- and Long-Term Survival, 1875 Circulating Levels of Matrix Metalloproteinase-9 and Tissue Inhibitor of
- Metalloproteinase-1 are Increased in Angiographically Proven Peripheral Arterial Disease and Associated with Disease Severity, 2436
- Combined AT<sub>1</sub> and AT<sub>2</sub> Blockade Increase Vascular Stiffness and Modulate Extracellular Matrix and Matrix Metalloproteinases in Resistance Arteries from Ang II- Infused Rats, 195
- Constitutively Active Cardiac Matrix Metalloprotease 2 Expression Drives Dysfunctional Ventricular Remodeling in Transgenic Mice, 1389
- Decorin Overexpression Reduces the Development of Atherosclerosis in Apolipoprotein E-deficient Mice, 384
- Decorin Promotes Aortic Smooth Muscle Cell Calcification and Co-localizes to Calcified Regions in Human Atherosclerotic Lesions, 1020
- Depletion of Adiponectin in Pericardial Fat Tissue: A Potential Role for Cardiac MMP Regulation, 3794 Differential Effects of Serine Protease Inhibitors on MMP Release in
- Patients Following Cardiopulmonary Bypass, 1712
- Differential Levels of the Metalloprotease Disintegrins in Patients with Ischemic or Dilated Cardiomyopathy: Relation to Integrin Profiles and MMP Activation, 2093
- Early Exacerbation in Regional Myocardial Remodeling Following Radiofrequency Ablative Injury in Mice Deficient in Matrix Metalloproteinase-3, 2333
- Elastin Overexpression Limits Postinfarction Scar Expansion and Improves Ventricular Function, 2951
- Endothelial Cells of Newly Formed Vessels Express Connective Tissue Growth Factor (CTGF), Osteonectin, and Osteopontin mRNAs in the
- Border Zone of Myocardial Infarction in Rats, 160 Endothelin-1, via Rho Proteins, increases the Connective Tissue Growth Factor in Vascular Smooth Muscle Cells, 1319
- Fibulin-5 as a Novel Binding Protein for Extracellular Superoxide Dismutase: Study using Fibulin-5 Knockout Mice, 1240
- First Use of a Completely Biological Human Tissue Engineered Blood Vessel in a Primate Model, 2383
- Identification Of Small Peptidomimetics Of Apolipoprotein E By Phage Display - Therapeutic Potential In Vascular Proliferative Disorders, 386
- Impaired Focal Adhesion Signaling Early in the Course of Volume Overload-Induced Cardiac Hypertrophy after Mitral Regurgitation in the Dog: Effect of  $\beta_1$ -adrenergic receptor blockade, 100 Increase in Plaque Size, But No Change in the Incidence of Plaque
- Rupture, in ApoE Knockout Mice Treated With Broad-Spectrum MMP
- Increased Expression of Matrix Gla Protein is Associated with Increased Proliferation and Mineralization in Human Varicose Vein, 1019
- Induction of Hypoxia-Inducible Factor Improves Cardiac Function and Reduces Hypertrophy after Aortocaval Shunt in Rats, 800
- Inhalation of Particulate Matter Induces Cardiac Mast Cell Activation of Metalloproteinases, 1915
- Inhibition of c-Jun N-terminal Kinase Prevents Development of Abdominal Aortic Aneurysm in a Murine Model, 567 Inhibition of Hyaluronic Acid Synthase (HAS2) Expression by siRNA Inhibits
- Phosphorylation of Focal Adhesion Kinase and Migration in Vascular Smooth Muscle Cells., 1321
- Inhibition of MMP-2 Inhibits β-Adrenergic Receptor (β-AR)-Stimulated Apoptosis in Adult Rat Ventricular Myocytes (ARVMs) via the Stimulation of B1-Integrin-Dependent Focal Complex Formation and Inhibition of Mitochondrial Death Pathway, 13
- Key Role of NADPH in Shear Stress-Induced Vascular Remodeling, 1022 Lack of JunD Reduces Ischemic Injury and Prevents Cardiac Rupture following Myocardial Infarction, 1276
- Lack of Osteopontin Attenuates Myocardial Hypertrophy in Response to Chronic Pressure Overload, 59
- Left Ventricular Dysfunction and Reduced Survival in Myocardial Restricted Over-Expression of Membrane Type-1 Matrix Metalloproteinase Mice Following Myocardial Infarction, 1534
- Link Protein 3 (Lp3) is a Novel Extracellular Matrix Protein Abundantly Expressed in the Vascular Smooth Muscle Cells and Coordinately

- Regulated with Vascular Proteoglycan Versican, 1024
- Living Heart Valve Tissue Engineered from Human Umbilical Cord Blood Progenitor Cells, 2481
- Long-Term Inhibition of NF-kB Activation Ameliorates Left Ventricular Remodeling after Myocardial Infarction, 117
- Low Incidence of Myocardial Recovery in LVAD Patients due to Increased Collagen Cross-Linking and Myocardial Stiffness, 1124
- Macrophage Cathepsin S Deficiency Accelerates Atherogenesis and Promotes Medial Erosion, 1315
- Margination and Engraftment of Hematopoietic Stem Cells Within the Myocardial Infarct Zone Express a Specific Profile of Matrix Metalloproteinases, 2381
- Matrix Metalloproteinase-9 Gene Deletion Inhibits Formation Of Murine Thoracic Aortic Aneurysms, 3112
- Mechanisms Regulating Expression of Cell-Cell Junction Proteins in the Heart, 2955
- Membrane Trafficking of the Membrane Type-1 Matrix Metalloproteinase in Ischemia and Reperfusion: Relation to Interstitial Activity, 1056
- Mice with Reduced Anticoagulant Heparan Sulfate Do Not Exhibit Compensatory Expression of 3-O-Sulfotransferase-5, 540
- MMP8 On The Macrophage Surface Implications For Local Proteolysis And Macrophage Recruitment, 1054
- MT1-MMP-Dependent Neovessel Formation within the Confines of the 3-Dimensional Extracellular Matrix, 1458
- Myocardial Restricted Overexpression of Membrane Type-1 Matrix Metalloproteinase Causes Postpartum Cardiomyopathy, 2777
- Myofibroblast Transformation and Collagen Deposition in Hearts of Atrial Natriuretic Peptide-Null Mice Are Enhanced In Response to Pressure Overload Stress Compared To Wild-Type Controls, 453
- Nitric Oxide Induces Vascular Endothelial Cell Migration by Modulating Matrix Metalloproteinase Activities, 571
- Novel Mechanism of Matrix Metalloproteinase Inhibitor in the Treatment of Heart Failure: Direct Inhibition of Myocardial Oxidant Stress and NF-xB Activation in Rats, 2412
- Overexpression of Glutathione Peroxidase Attenuates Myocardia Remodeling and Preserves Diastolic Function in Diabetic Heart, 897
- Plasma Profiles of Matrix Metalloproteinases and Tissue Inhibitors of Matrix Metalloproteinases: Changes Associated with the Presence of Diastolic Dysfunction, 2823
- Regression of Experimental Rabbit Aortic Aneurysm by the Treatment with Chimeric Decoy Oligodeoxynucleotides (ODN) Against ets and NF $\kappa$ B , 994
- Regulation Of Inflammatory Responses And Matrix-Degrading Activities By p38 MAPK In Advanced Human Atherosclerotic Plaque, 1158
- Relationship Between Left Ventricular Hypertrophic Remodeling and Serial Changes in Plasma Profiles of Selective Matrix Metalloproteinases and Inhibitors of Matrix Metalloproteinases, 2958
- Remodeling Stimuli Induce the Expression of Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) in Myocardium and Cultured Cardiac Myocytes via Reactive Oxygen Species-Dependent Activation of JNK, 899
- Reoxygenation Injury Increases Myocardial Matrix Metalloproteinases In Hypoxic Newborn Pigs, 1855
- Role of Annexin II in Estrogen-Induced and Statin-Inhibited Macrophage Matrix Metalloproteinase-9 Activity, 1502
- Role of Epidermal Growth Factor Receptor Transactivation in Focal Adhesion Kinase Downregulation During Neutrophil Cathepsin G-Induced Myocyte Anoikis, 979
- Role of Increased Expression of Matrix Metalloproteinases (MMPs) Induced by Advanced Glycation End Products for Plaque Instability in Diabetes Mellitus, 3853
- Role of Proteases for Tissue Invasion and Neovascularization Mediated By Progenitor Cells, 330
- Role of Signal Receptor Protein-α and SH2 Domain-containing Protein Tyrosine Phosphatase-1 in Regulating the Anti-inflammatory Effects of Arterial Elastic Laminae, 569
- Role of the a-8 Integrin Chain for Media Hypertrophy Following Carotid Artery Ligation in Mice, 1052
- Selective and Chamber-Specific Induction of Matrix Metalloproteinases and Matrix Remodeling in Myocardium of Patients with Atrial Fibrillation,
- Serial Targeted Radiotracer Imaging of Matrix Metalloproteinase (MMP) Activation in a Murine Model of Post-Infarction Left Ventricular Remodeling, 2047
- Serum Matrix Metalloproteinase-3 as an Independent Predictor of Future Cardiac Events in Patients with Idiopathic Dilated Cardiomyopathy,
- Serum Tenascin-C Levels are a Novel Marker for Predicting Left Ventricular Remodeling in Patients With Acute Myocardial Infarction,
- Sex Steroids Modulate Expression of Matrix Proteins and Matrix Metalloproteinases and May Contribute to Gender Differences in Large Artery Stiffness, 568
- Smooth Muscle Cell Cycle Reentry and Arterial Remodeling How to Make the Vessel Bigger, 1057

Stent-Based Intracoronary Gene Transfer of a Secreted Transforming Growth Factor-β Type II Receptor Inhibits In-Stent Neointimal Hyperplasia, 769

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- Subdepressor Dose of a Long-Acting Calcium Channel Blocker, Benjdipine, Ameliorates Diabetic Cardiac Remodeling and Normalizes the Upregulated Endothelin-1 System in the Rat, 3752
- The Effect of MMP Inhibition on Myocardial Remodeling is Different When Implemented During the Loaded versus the Unloaded State, 978
- The Role of Monocyte Chemoattractant Protein (MCP)-1 in Infarct Healing,
- The Targeting of Connexin-43 to the Intercalated Disk is Altered in Dilated and Fibrous Rat Atria During Heart Failure, 782
- Tissue Inhibitor of Metalloproteinase-3 Deficiency Prevents Hypertension Induced by Nitric Oxide Synthase Inhibition, 952
- Transcriptional Suppression of Osteopontin Expression in Macrophages by Ligand-induced Activation of Liver-X Receptors, 1566
- UTP-induced Osteopontin Expression is Mediated via AP-1, NF-κB, and USF in Arterial Smooth Muscle Cells, 411

### Extracorporeal circulation

- Differential Effects of Serine Protease Inhibitors on MMP Release in Patients Following Cardiopulmonary Bypass, 1712
- Gene Expression Changes in Leukocytes During Cardiopulmonary Bypass are Dependent on Circuit Coating, 2368
- Hyperglycemia During Cardiopulmonary Bypass is an Independent Risk Factor for Mortality in Patients Undergoing Cardiac Surgery, 2373
- Upregulation of Hypoxia Inducible Factor Reduces Neuronal Loss in Neonatal Piglets Undergoing Deep Hypothermic Circulatory Arrest, 1885

### Family

- Genetic Analysis of Apical Hypertrophic Cardiomyopathy, 2579 Arrhythmogenic Right Ventricular Dysplasia: A United States Experience,
- Convergence of Genome-Wide Expression Analysis and Genome-Wide Linkage Analysis Identifies Candidate Genes for Atherose Coronary Heart Disease in Siblings as Predictor of Sudden Cardiac Death
- and Coronary Events, 3653 Mitochondrial Genetic Effects on Variation in Plasma Total Antioxidant
- Activity in the San Antonio Family Heart Study, 3818 Quality of Life and Family Impact in Survivors of Single Ventricle
- Congenital Heart Disease, 2881 Quality of Life in Children with Heart Disease: The Parents' Perspective,
- Sibling Cardiovascular Disease as a Risk Factor for Cardiovascular Disease in Middle-aged Adults: The Framingham Offspring Study, 3527

- α-Linolenic Acid Intake and Risk of Sudden Cardiac Death and Fatal CHD among Women, 3604
- Arachidonic Acid in Adipose Tissue and Nonfatal Acute Myocardial Infarction, 3605
- A Role for Estrogen-Related Receptor- $\alpha$  in the Postnatal Cardiac Maturation Program, 1380
- Abnormal Cardiac and Skeletal Muscle Function and Energetics Correlate with Insulin Resistance in Heart Failure, 1608
- Cardiomyocyte-restricted Inactivation of Peroxisome Proliferator-activated Receptor δ Deletion Causes Lipotoxic Cardiomyopathy, 1551
- Cardiomyopathy in the MHC-PPARa Model of the Diabetic Heart Requires CD36, 1550
- Cholesterol Feeding Strongly Reduces Hepatic VLDL Production in Mice Lacking LXRa, 1018
- Chronic Exercise Training Improves Aging-Induced Decrease Fatty Acid Metabolic Capacity Through Peroxisome Proliferator-Activated Receptor (PPAR)-α Signaling in the Heart, 3821
- Consumption of Trans Fatty Acids and Plasma Markers of Inflammation and Endothelial Dysfunction, 3739
- CPT1 Flux is Reduced More than Krebs Cycle Flux in Hypertrophied Hearts with Compensatory Increases in Anaplerosis and NADH Shuttling, 1332
- Decreased Myocardial Efficiency and Increased Fatty Acid Oxidation Characterize ob/ob and db/db Mouse Hearts Prior to the Onset of Hyperglycemia, 1547
- Dietary Intake and Markers of Inflammation and Oxidative Stress in Adolescents, 3607
- Effects Of Rosuvastatin On Fasting And Postprandial Lipoprotein And Fatty Acid Metabolism In Combined Hyperlipidemic Male Patients With Premature Coronary Sclerosis, 563
- Fatty Acid Compromises Cardiac Glucose Oxidation through Attenuation of Insulin-Stimulated Akt Phosphorylation and Induction of
- Fuel-Metabolizing Genes via Protein Kinase C (PKC) Activation, 1004 Gene Expression Profile for Energy Production in Failing Human Hearts and its Modulation by B-Blocker Therapy, 2033
- HDLc Effects in Healthy Subjects Administered a Peroxisome Proliferator Activated Receptor (PPAR) Delta Agonist, 244
  Insulin-Mediated Regulation of 5'AMP-Activated Protein Kinase, but not
- Glycolysis, is Attenuated by Fatty Acids, 972

- Interplay between Intermediate-chain n-3, Long-chain n-3, and n-6 Polyunsaturated Fatty Acids and Risk of Coronary Heart Disease in Men. 3591
- Lipoprotein Metabolism and Uptake Direct Divergent Peroxisome Proliferator-Activated Receptor  $\alpha$  and Hepatocyte Nuclear Factor  $4\alpha$  Responses, 1007
- Mice with Deletion of Fatty Acid Binding Proteins, ap2 and mal1, Are Protected from Diet-Induced Cardiac Insulin Resistance, 1169
- Myocardial Deficiency of PPAR-γ Leads to Increased Fibrosis in Response to Pressure Overload Hypertrophy, 1535
- Myocardial Fractional Fatty Acid Uptake Predicts Left Ventricular Diastolic Dysfunction, 3561
- Myoglobin a Switch for Cardiac Substrate Selection, 114
- Nuclear Respiratory Factor 1 (NRF1) Inhibits Upstream Stimulatory Factor 1 (USF1)-Dependent Transactivation of the Cardiac Isoform of Acetyl-CoA Carboxylase, 39
- Pathogenesis of Arrhythmogenic Right Ventricular Dysplasia: Possible Involvement of Peroxisome Proliferator Activated Receptors, 1253
- Postnatal Deletion of Myocardial Insulin Receptors Augments Myocardial Fatty Acid Utilization and Enhances Mitochondrial Biogenesis, 1553 PPAR-α Regulatory Pathway is Activated in Patients with Severe Idiopathic
- Dilated Cardiomyopathy, 109
  Role Of Soluble Epoxide Hydrolase In Postischemic Recovery Of Heart
- Contractile Function, 808
  The Correlation between lodine-123-Betamethyliodophenylpentadecanoic
  Acid and Serum Levels of Heart-Type Fatty Acid Binding Protein in
- Patients with Chronic Heart Failure, 3047

  The MHC-PPARa Mouse Model of the Diabetic Heart Exhibits Increased Pathologic Remodeling following Myocardial Infarction, 110
- Tumor Necrosis Factor Suppresses Cardiac Mitochondrial Fatty Acid β-oxidation: Potential Role of Transforming Growth Factor-β, 602

# Fetal cardiology

- Echocardiographic Assessment of Conjoined Twins, 3194 Evaluation Of B-type Natriuretic Peptide (BNP) Levels In Normal And Preeclamptic Women, 3153
- Fetal Aortic Valve Stenosis and the Evolution of Hypoplastic Left Heart Syndrome: Patient Selection for Fetal Intervention, 3192
- Fetal Cardiac Interventions: Fetal and Maternal Complications and Treatment, 1929
- Fetal Pulmonary Stenosis and Pulmonary Atresia with Intact Ventricular Septum: Determinants of Biventricular Repair, 3193
- Modification of Stage 1 Palliation Following Fetal Aortic Valvuloplasty, 2888
- Outcomes of Children with Fetal or Postnatal Diagnosis of Heterotaxy Syndromes: A Single Institution's Experience since 1990, 2336
- Predictive Value of Fetal Pulmonary Venous Flow Patterns in Identifying the Need for Urgent Atrial Septoplasty in the Newborn With Hypoplastic Left Heart Syndrome, 3191
- Ventricular and Atrial Response to Terbutaline Differs Between Left Atrial Isomerism and Immune-mediated Fetal Complete AV Block, 2335

# Fibrinolytic agents

- Aborted Myocardial Infarction: Absence of a Significant Enzyme Rise After Fibrinolysis as a Predictor of Future Infarction And a Warrant for early Intervention, 2517
- Association of Smoking with Improved Myocardial Perfusion and the Angiographic Characterization of Myocardial Tissue Perfusion Following Fibrinolytic Therapy for ST-Elevation Myocardial Infarction, 2124
- Circadian Clock Genes Cause Activation of the Human PAI-1 Gene Promoter with 4G/5G Allelic Preference, 839
- Combination Eptifibatide and Reduced-Dose Tenecteplase Versus Eptifibatide Monotherapy Preceding Primary PCI: Final Results of the ADVANCE-MI Trial, 1623
- Does Time Matter? Individual Patient Data-based Meta-analysis of Primary PCI versus Fibrinolysis in Acute Myocardial Infarction Randomized Trials, 2513
- Induction of Plasminogen Activator Inhibitor-1 Production by Hepatocyte Growth Factor in Liver and its Potential Clinical Implications for Angiogenesis, 541
- Interleukin-6 and Mevastatin Regulate Expression of Plasminogen Activator Inhibitor Type-1 Through C/EBPô in Intact Live Cells: Direct Demonstration by Chromatin Immunoprecipitation Assay, 538
- Myocardial Reperfusion by ST-Segment Recovery in Patients Randomized to Either Prehospital Fibrinolysis or Facilitated PCI A SWEDES Substudy, 1619
- Numerators Searching for Denominators: Insights into Prehospital STEMI Management (Prehospital Reperfusion Group of Edmonton - PURGE), 2515
- Slow release of MMP-1 Plasmid DNA Enhances the Graft Development of Transplanted Skeletal Myoblasts in Rat Hearts with Chronic Myocardial Infarction, 1450
- Streptokinase Undergoes Autoproteolysis that Reduces the Efficiency of Plasminogen Activation, 539

# Fish oils

- Fish Consumption and Incidence of Metabolic Syndrome: the CARDIA Study, 3835
- Fish Intake and Risk of Incident Atrial Fibrillation, 3766

## Foam cells

- Anglotensin II Infusion Accelerates Macrophage Foam Cell Formation via Suppression of ATP-Binding Cassette Transporter A1, 189
- Furin and PC5 are Localized in Macrophages/foam Cells in Human Atherosclerotic Plaques and are Required for Integrin  $\alpha$  v and MT1-MMP Activation , 1184
- Hedgehog: A Novel Regulator of Lipid Uptake by Plaque Macrophages,
- In Vivo Evidence that Secretory Sphingomyelinase is Proatherogenic While Lysosomal Sphingomyelinase is Antiatherogenic, 1588
- JNK2 Is Required For Atherosclerosis In Vivo Through Regulation Of Scavenger Receptor-A Mediated Foam Cell Formation, 1585
- Macrophage Specific Overexpression of Group IIa sPLA<sub>2</sub> Results in Increased Atherosclerotic Lesion Size and Enhanced Collagen Deposition, 1314
- MR Detection of Atherosclerotic Plaques using Macrophage Targeted Immunomicelles Containing Gadolinium, 663
- Role of Annexin II in Estrogen-Induced and Statin-Inhibited Macrophage Matrix Metalloproteinase-9 Activity, 1502

## Follow-up studies

- β-Brachytherapy with a Liquid Rhenium-188-Filled Balloon after Angioplasty of Restenotic Lesions and In-Stent Restenosis Is Associated with a Very Low Restenosis Rate, 1818
- 3-Year Follow-Up of TAXUS I: A Randomized, Controlled Study with Polymer-Based Paclitaxel-Eluting Stents for Coronary Artery Lesions, 2464
- Aborted Myocardial Infarction: Absence of a Significant Enzyme Rise After Fibrinolysis as a Predictor of Future Infarction And a Warrant for early Intervention, 2517
- Accuracy of Noninvasive Monitoring of Coronary Flow Velocity Reserve with Transthoracic Echo-Doppler in Detecting Coronary Restenosis After Successful Coronary Angioplasty: a Multicenter Study, 2404
- Adiponectin and Future Coronary Heart Disease Events Among Men With Type 2 Diabetes mellitus, 3847
- Ambulatory Blood Pressure and Mortality in a General Population the Lower the Better and No Threshold Level, 87
- Anemia is a Powerful, Independent Predictor of Mortality in Patients with Pulmonary Hypertension, 2601
- Arrhythmogenic Right Ventricular Dysplasia: A United States Experience, 2351
- Association of the T<sup>-786</sup>C Endothelial Nitric Oxide Synthase SNP With Cardiovascular Mortality in High-Risk Men, 576
- Combination Therapy With Gemfibrozil, Niacin, and Cholestyramine Reduces the Prevalence of Metabolic Syndrome Above and Beyond Aggressive Lifestyle Modification and Dietary Restriction, 3785
- Comparison of Retrospectively ECG-Gated, Multislice Spiral Computed Tomography and Coronary Angiography in the Detectability of In-Stent Restenosis after Left Main or Ostial Coronary Stenting, 2615
- Coronary Endothelial Dysfunction Provides Multiple Adverse Prognostic Impacts on Patients With Coronary Artery Disease During Long-Term Follow-up Over 100 Months, 2189
- Correlation of Symptoms to ECG Diagnosis in the Follow-Up after Atrial Fibrillation Ablation, 1668
- Does Gastric Bypass Surgery Decrease Cardiac Risk Factors in Morbidly Obese Young Patients?, 3543
- Effects of Atorvastatin on Thrombosis/Fibrinolysis System During the Acute Phase of Unstable Angina, 3065
- Evaluation of Long-Term Prognosis of Ventricular Arrhythmias Originating from Right Ventricular Outflow Tract (RVOT), 3215
- Five-year Outcomes after Coronary Stenting versus Bypass Surgery for the Treatment of Multivessel Disease: The Final Analysis of the ARTS Trial, 1978
- Fusiform Shape of Distal Arch with a Patent False Lumen in Type B Acute Aortic Dissection (AAD) Can Predict Late Enlargement of Aorta, 2743
- High Pressure in the False Lumen Favors Secondary Dilatation of the Aorta after Acute Type A Aortic Dissection, 3110 ICD Benefit and ICD Therapy in Patients with Symptoms and Signs of Advenced Heart Failure and Left Ventricular Dysfunction, 1652
- Advenced heart Failure and Left Verificular Dysturction, 1692 Incidence, Prevalence, And Prognostic Impact Of Pulmonary Arterial Hypertention: A Population-Based Study, 3423
- Increasing Statin Dose is Associated With a Stepwise Decline in Long-Term All-Cause Mortality, 3783
- Intracoronary Pressure and Flow Velocity For Clinical Decision Making in Patients With Intermediate Coronary Lesions, 1922
- Late Regression of Left Internal Thoracic Artery Graft Stenosis at the Anastomotic Site without Intervention Therapy, 1691
- Long-Term Mortality of Early Invasive Management of Acute Coronary Syndromes Without ST-Elevation: a Cumulative Meta-Analysis, 3218 Low Molecular Heparin Treatment Improves Clinical Outcomes of Patients with Inflarmatory Dilated Cardiomyopathy, 2795

Noninvasive Ultrasonic Evaluated Endothelial Dysfunction Predicts Future Diabetic Evolution, 2061

Oxidized LDL as a Risk factor for Coronary Heart Disease among US Men and Women, 3582

Preoperative Thrombolysis Improves Long-term Survival after Coronary Artery Bypass Grafting, 3266

Real-Life Impact of Sirolimus-Eluting Stent Implantation in Treating Diabetic Patients: A 6-Month Follow-up Report From the International e-CYPHER Registry, 3006

Sex Differences and Their Impact on Clinical Outcome after Percutaneous or Surgical Revascularization. A Report from the Arterial Revascularization Therapies Study (ARTS), 3402

Sex-age Interaction after Myocardial Infarction: Impact on Hospital Mortality and 1-year Survival, 3522

Sixteen-Slice Computed Tomography Allows Non-Invasive Follow-Up After Left Main Coronary Stenting, 3388

Strain Rate Can Accurately Predict a More Aggressive Cardiac Involvement in Asymptomatic Patients with Duchenne Muscular Dystrophy, 2562

Survival Benefit of Exclusive Use of In Situ Arterial Conduits over Combined Use of Arterial and Vein Grafts for Multiple Coronary Artery Bypass Grafting, 2928
TAXUS II Paclitaxel-Eluting Stent Trial: 2 Year Intravascular Ultrasound

Substudy, 2466

Timecourse and Significance of Atrial Fibrillation Recurrences after Pulmonary Vein Isolation and Extended Left Atrial Catheter Ablation: Data from Tele-ECG Follow-Up, 2708 Two-Daily Tele-ECG after AF Catheter Ablation: Relevance of

Asymptomatic Recurrences, 1667

# Free radicals/Free-radical scavengers

2-hydroxybenzylamine: A Novel Scavenger that Prevents Oxidative Stress-induced Modification of Cardiac Sodium Channels, 74

Aldosterone Causes Vasoconstriction of Coronary Arterioles Isolated from Spontaneously Hypertensive Rats and Angiotensin II Type 1 Receptor Blocker Inhibits it via Suppression of Oxidative Stress, 862

Cellular Origin of EDHF (H2O2) Released from Human Coronary Arterioles in Response to Shear Stress, 355

Dual Role of Antioxidant-1 in Modulating the Activity and Expression of Extracellular Superoxide Dismutase, 1361

Edaravone Attenuates Both Infarct Size and Reperfusion Arrhythmia in Patients With Acute Myocardial Infarction, 2114

Genetic Disruption to Cyclooxygenase-2 Increases the Susceptibility to Doxorubicin-Induced Cardiotoxicity, 903

Greater Propensity of Diabetic Myocardium for Oxidative Stress After Myocardial Infarction is Associated With the Development of Heart

H₂O₂ Activates Nox4 Through Phospholipase A₂-Dependent Arachidonic Acid Production in Adult Cardiac Fibroblasts, 421

Hypoxic Pulmonary Hypertension: Role of NADPH Oxidase and Superoxide, 483

Increased Protein Expression of Genes Regulating Reactive Oxygen Species Production in Endothelial Cells May Contribute to Vascular Oxidative Stress with Aging in Humans, 1592

Marked NAD(P)H Oxidase Activation by Endoplasmic Reticulum Stressors: Evidence for a Novel Integrative Pathway Involved in Vascular Injury Repair, 753

Measurement of Myocardial Free Radical Production During Exercise Using EPR Spectroscopy, 340

Menkes Protein is a Novel Modulator for Extracellular Superoxide Dismutase, 425

Modifications to Troponin C with Brief Ischemia/Reperfusion Injury, 1540 NADPH Oxidase-Derived Superoxide Anion Mediates the Angiotensin II-Enhanced Peripheral Chemoreceptor Sensitivity in Heart Failure Rabbits, 1268

Nox4-Based NAD(P)H Oxidase Mediates TGF- β1-Induced Differentiation of Human Cardiac Fibroblasts into Myofibroblasts, 748

Nox4-derived Reactive Oxygen Species and Growth Arrest of Vascular Smooth Muscle Cells in Atherosclerosis, 1352

Overproduction of Nitric Oxide Enhances the Pro-oxidant Activity of Mitochondrial Succinate Cytochrome c Reductase, 1363

Paracrine Role of Adventitial Fibroblasts and Macrophages in Angiotensin II-Induced Reactive Oxygen Species and Hypertrophy of the Mouse Carotid Artery., 1023

Physical Exercise Reduces Vascular Free-Radical Production, 1241 Rho Guanine Nucleotide Dissociation Inhibitor mediates Rac1-dependent activation, NAD(P)H oxidase activation, and free-radical release, 750

Role of Oxidative Stress-Associated Tetrahydrobiopterin Deficiency in Impaired Brachial Artery Flow-Mediated Dilation with Aging in Humans,

Statin Treatment Inhibits Pressure-Induced Myocardial Hypertrophy And Cardiac Expression Of Rac1 GTPase In Vivo, 2792

Superoxide Impairs cAMP-Mediated Dilation by Reducing K, Channel Function in Rat Small Coronary Arteries from Diabetic Rats, 866

The Tyrosine Phosphatase SHP-1 Downregulates Endothelial NAD(P)H-Oxidase Activity Through PI3-Kinase Dependent Inhibition of Rac1, 751

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The Tyrosine Phosphatase Shp-2 Serves as a Negative Regulator of H<sub>2</sub>O<sub>2</sub>-induced Nuclear Export of Telomerase Reverse Transcriptase (TERT), 418

TNFα-Induced Cardioprotection is Mediated by Reactive Oxygen Species,

Upregulation of Renal eNOS by High-Sodium Diet-Induced Oxidative Stress and Hypertension in Doxorubicin-Treated Rats, 486

Urinary 8-Hydroxy-2'-Deoxyguanosine Levels Increase after Reperfusion in Acute Myocardial Infarction and May Predict Subsequent Cardiac Events, 3231

Urinary 8-Hydroxy-2'-Deoxyguanosine to Urinary Creatinine Ratio is Correlated with Severity of Cardiac Function in Patients with Old Myocardial Infarction, 3256

Vascular Heme Oxygenase-1 Counteracts Aldosterone/Salt-Elicited Vascular Injury in Mice, 1237

### G proteins

A Novel Calcium-Independent Pathway Mediates  $\alpha_1$ -Adrenergic Receptor-Stimulated Hypertrophy in Adult Rat Cardiac Myocytes, 432 Akt-Mediated Rac1 Phosphorylation Opposes β-Adrenergic

Receptor-Stimulated Apoptosis in Adult Rat Ventricular Myocytes, 15 Blockade Of The Serotonin 5-HT2B Receptor Prevents Angiotensin

II-Induced Cardiac Hypertrophy And Inhibits Cytokine Release By Cardiac Fibroblasts, 295 Constitutively Enhanced Go Signaling Alters CardiacCa2+ Handling Prior to

the Development of Hypertrophy in Mice, 758 Critical Role of p67phox in a1-Adrenergic Receptor-Stimulated Hypertrophic Signaling in Adult Cardiac Myocytes, 744

Crossregulation between Gia2 and Adenylyl Cyclase in AV Nodes of Swine with Chronic Atrial Fibrillation and Heart Failure, 926

Endothelin-1, via Rho Proteins, increases the Connective Tissue Growth Factor in Vascular Smooth Muscle Cells, 1319

Expression of Constitutively Activated G-Protein Associated with Human Right Ventricular Tachycardia Causes Ventricular Tachycardia in a Rabbit Model, 1385

Ga13 Regulates NFAT Activity through ROS Production in Cardiac Fibroblasts, 1229

Gq-Mediated Signaling is a Critical Component in Certain Models of Hypertension, 1227

Human HIF-3α is an inhibitor of the HIF pathway in endothelial cells, 1021 Identification Of Activator Of G-Protein Signaling 8 (AGS8) Using A Functional Genomics Screen For Postreceptor Signal Regulators In A Rat Heart Model Of Repetitive Ischemia And Coronary Collateral Growth, 1230

In Vivo Loss of RhoA Expression by siRNA-Mediated Gene Silencing Induces Pulmonary Hypertension in Rat, 77

Insulin Signaling in Vascular Endothelium: A Key Role for Heterotrimeric G Proteins Revealed by siRNA-mediated GB 1 Subunit Knockdown, 1231 Magnitude-Dependent Regulation of Lung Endothelial Barrier by Cyclic

Stretch: Role of Rho and Rac, 76 Mechanism of RhoA/Rho Kinase in Stretch-induced Myogenic tone, 1175 Muscle Ring Finger Protein, MURF1, Inhibits Cardiac Muscle Hypertrophy

Through PKC Mediated Signaling Pathway, 763
Novel Mechanism of the Translocation of RhoA and Rho-kinase into Nucleus is Important for Interleukin (IL)-18-Induced Gene Expression and Apoptosis in Cardiac Myocytes, 606

Physical Exercise Reduces Vascular Free-Radical Production, 1241 Rac Controls Endothelial Proliferation And Angiogenesis By Thrombin: Role Of Hypoxia-Inducible Factor-1 And Its Target Gene Plasminogen Activator Inhibitor-1, 1042

Rac-Dependent Activation of the Serum- and Glucocorticoid-Regulated Kinase Sgk1 Promotes a Thrombogenic Cycle in Pulmonary Artery Smooth Muscle Cells Involving Nuclear Factor-kB, 835

Rem GTPase and Calcium Channel C-terminus Cooperatively Regulate Calcium Channel Current Expression: Modulation by cAMP-dependent Protein kinase (PKA) sites, 429

RGS3 Redirects the G<sub>1</sub>-coupled M<sub>2</sub> Muscarinic Receptor via Gβγ-dimers from Rac1 to RhoA Activation, 913

Rho Guanine Nucleotide Dissociation Inhibitor mediates Rac1-dependent activation, NAD(P)H oxidase activation, and free-radical release, 750 Rho-Kinase as a Molecular Target for Insulin Resistance and Hypertension,

Role of p190RhoGAP in Transfroming Growth Factor-β (TGFb) Signaling That Involves Differential Activation of Activin Receptor-like Kinases 2

and 5, 448 Serine 188 Phosphorylation of RhoA Inhibits its Ubiquitin-Mediated

Proteasomal Degradation , 1233 Serotonin Receptor Inhibition Protects from Pulmonary Hypertension Induced by RhoA Inactivation, 627

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- Statin Treatment Inhibits Pressure-Induced Myocardial Hypertrophy And Cardiac Expression Of Rac1 GTPase In Vivo, 2792
- The Activated α-Subunit of Heterotrimeric G<sub>q</sub> Protein Regulates RGS2 Protein Expression by Slowing its Degradation, 1228

The ER-To-Golgi Traffic Controls Angiotensin II Type 1 Receptor Function And Cardiomyocyte Growth, 737

Thioredoxin Interacts with Ras and GTPase Activity through Reduction of Cysteine Oxidation, 426

Transactivation of Epidermal Growth Factor Receptor Mediates Catecholamine-Induced Growth of Vascular Smooth Muscle Cells, 150 Use-Dependent  $\beta$ 2-Adrenergic Receptor-Gi Coupling Requires RGS and β-ARK/PKA-Mediated Receptor Phosphorylation, 433

Activation of the δ-opioid Receptor Induces Phosphorylation of Ser368 in Connexin-43 by PKC- $\epsilon$  in the Myocardium and Enhances Its Tolerance against Infarction, 649

Adult Human Bone Marrow-Derived Mesenchymal Stem Cells Can Repair Experimental Conduction Block in Cardiomyocyte Culture, 217

An Investigation of Gap Junction Formation between Skeletal Myoblasts and Adult Cardiac Myocytes Using Myoblasts Overexpressing Connexin43, 1878

Cardiac Muscle-Specific Connexin45-Deficient Mice and Cardiac Troponin T-Deficient Mice Display Defective Heart Contractions That Cause Early Embryonic Lethality, 442

Cellular Uncoupling Due To Gap Junction Remodeling Is Associated With Safe Conduction During Hypothermia In Hearts Of Siberian Hilbernating Ground Squirrel Cittelus Undulatus, 462

Conditional Overexpression of a Constitutively Active Integrin Results in Rapid Increases in Calreticulin Expression, Severe Contractile Dysfunction, and Impaired Cell-cell Electrical Coupling, 639

Connected Pericytes: The "Internet" of the Coronary Microcirculation?, 674 Connexin43 Overexpression Increases Gap Junctional Conductance between Skeletal Myoblasts and Adult Rat Ventricular Myocytes in

Coculture, 1341 Demonstration of Electrical Communication between Grafted Myocardial Cell-sheet and Host Heart using Optical Mapping, 1203

Eliminating Connexin37 Enhances Atherosclerosis in Apolipoprotein E-Deficient Mice, 179

First Report of the Effects of the Gap Junction Uncoupler Carbenoxolone on Human Myocardial Conduction and Arrhythmogenicity, 2170

Human Connexin40 Gene Polymorphisms affect Promoter Activity by Altering Binding of NFAT and GATA Transcription Factors, 1247 Identification of the Supporting Cells in the Cardiac Stem Cell Niches of

the Mouse and Rat Heart, 1678 Increased Cardiac Connexin45 Results in Uncoupling and Spontaneous Ventricular Arrhythmias in Mice, 920

Infarct Size Reduction with D-myo-Inositol Trisphosphate: Novel Evidence for a Functional Association between Gap Junctions and Inositol Trisphosphate Receptors, 1428

Loss of Connexin 43 in the Cardiac Neural Crest Results in Outflow Tract Anomalies, 274

Mitochondrial Localization of Connexin 43 in Cardiomyocytes and Its Enhancement by Ischemic Preconditioning, 1134

New Insights into Pericarditis: Transmural Gradient of Connexins 40 and 43 Contributes to Abnormal Conduction and Atrial Arrhythmias, 1395

Olmesartan Reverses Changes In Conduction Velocity, Connexin43 Expression, And Distribution Associated With Localized In Situ Ventricular Stretch, 1526

QT-Prolongation and ST-Elevation in Neonatal Mice Lacking the C-Terminal Region of Connexin43, 720

Recessive Inheritance of a Subclinical SCN5A Mutation and a Rare Polymorphism of Connexin 40 Underlying Congenital Atrial Standstill, 2686

Reduced Connexin43 Expression Decreases Intimal Hyperplasia in Low-Density Lipoprotein Receptor-Deficient Mice after Carotid Balloon Distension Injury, 1051

Relationship between Changes in Myocardial Resistivity, Conduction Velocity, Gap Junctional Topology and Tissue Architecture in Left Ventricular Hypertrophy, 507

Role of ERK-mediated Suppression of Gap Junction Permeability in Cardioprotection Afforded by MitoKATP Channel Activation, 1135 Specific Roles for Connexins 43 and 40 in Atrial Propagation, 1527

The C-Terminal of Connexin-43 Promotes DNA Repair, Cell Death and Expression of a p53-Dependent Gene with a Death Domain, in Cardiomyocytes, 265

The Targeting of Connexin-43 to the Intercalated Disk is Altered in Dilated and Fibrous Rat Atria During Heart Failure, 782

Vagal Stimulation Suppresses Ischemia-Induced Arrhythmias by Preserving Connexin43 Protein from Dephosphorylation and Degradation, 1419

β-Blockade in Women with Heart Failure in the Community Setting: Insights from a Large Prospective  $\beta$ -blocker Registry, 2251 Acute Coronary Syndrome is Associated with Poorer Outcomes in Women Undergoing Percutaneous Coronary Intervention than in Men:

Observations from the NHLBI Dynamic Registry, 1936

Are Traditional Cardiovascular Risk Scores Useful for Women with Suspected Myocardial Ischemia? A Report from the Women's Ischemia Syndrome Evaluation, 3620

Atherogenic HDL, VLDL Particle Sizes in Asian Indian Females Compared to Framingham Offspring Study Population, Assessed by Nuclear

Magnetic Resonance Spectroscopy, 3738 Clinical and Echocardiographic Risk Factors for Congestive Heart Failure in Controlled Hypertensive Patients with Electrocardiographic Left Ventricular Hypertrophy (the LIFE Study), 3160

Conjugated Equine Estrogens-Alone and the Risk of Coronary Heart Disease: Results of the Women's Health Initiative Clinical Trial, 3662 Correlates of Progression of Coronary Artery Disease in Postmenopausal Women, 3658

Do Typical Symptoms Predict the Presence of Angiographic Coronary Artery Disease in Women Compared With Men Undergoing Coronary Angiography?, 2215

Do Women and Men Differ at Time of Referral for PCI? Experience from the Courage Clinical Trial, 3026

Effect of Ac-SDKP on Cardiac Rupture and Early Remodeling after Myocardial Infarction in Mice, 124

Effect of Soy Nuts on C-Reactive Protein and Soluble Adhesion Molecules in Postmenopausal Women, 3590

Female Gender is an Independent Predictor of Operative Mortality after Coronary Artery Bypass Graft Surgery, 1983

Gender and Utilization of Device Therapies: Insights from a Retrospective National Study, 2245

Gender Differences in Adherence to the Sodium-Restricted Diet in Patients with Heart Failure, 3420

Gender Differences in Autonomic Modulation of Ventricular Repolarization in Humans, 2149

Gender Differences in Hospital Survival Rates for Medicare Beneficiaries Undergoing CABG: Hospital Performance Rankings Matter, 3694 Gender Differences in Left Ventricular Remodeling from Mitral

Regurgitation: Insights from Cardiovascular Magnetic Resonance, 2660 Gender Differences in Time to Treatment for Patients Undergoing Primary Percutaneous Coronary Intervention for Acute ST segment Elevation Myocardial Infarction: An Important Target for Quality Improvement,

Gender-Based Outcomes After Paclitaxel-Eluting Stent Implantation in Patients with de Novo Coronary Lesions - Results of the TAXUS IV Trial 3014

Gender-Specific Differences in the Response to Cardiac Resynchronization Therapy?, 2020

Gender-Specific Hypertension in Mice Deficient in the  $\alpha_1$  Subunit of Soluble Guanylate Cyclase, 1466

Global Risk Factor Assessment Markedly Underestimates Subclinical Atherosclerosis Risk in Asymptomatic Women, 3657

Ibutilide-induced QT Prolongation Varies Markedly Among Individuals in a Gender and Exercise-independent Fashion, 2895

In vivo myocardial calcium mishandling in Kir6.2-knockout mice captured by manganese-enhanced cardiac magnetic resonance imaging: a

mechanism for development of diastolic dysfunction., 1422 Influence of Sex and Diabetes Mellitus on Acto-Myosin Crossbridge Kinetics of Human Myocardium, 1287

Inhibition of p38a MAPK Induces Gender Specific Pressure Overload Cardiac Hypertrophy, Potentially by Upregulating Akt Kinase, 1081

Is There a Gender Gap in Nonfatal Cardiac Outcomes For Women Discharged Alive From Hospital Following Coronary Artery Bypass Graft (CABG) Surgery?, 1982 Lack of Survival Benefit with Implantable Cardioverter-Defibrillator

Placement in Women with Nonischemic Cardiomyopathy Enrolled in the Defibrillators in Nonischemic Cardiomyopathy Treatment Evaluation

Off-Pump Surgical Revascularization In Women: Internal Mammary Artery Use Determines The Degree Of Improved Survival Compared With Conventional On-Pump Revascularization, 3274

Opportunity for Intervention to Achieve American Heart Association (AHA) Optimal Lipid Levels in High-Risk Women In a Managed Care Setting.

Persistent Failure to Close the Age and Gender Gap in the Use of Evidence-Based Therapies in Acute Coronary Syndromes: Temporal Trends (1999-2003) in the Global Registry of Acute Coronary Events, 3689

Physical Activity and Diabetes Risk in Postmenopausal White, Black, Hispanic, and Asian Women: The Women's Health Initiative Observational Study, 3570

Physical Activity Patterns in Heart Transplant Women, 1860 Population-based Analysis of Gender Differences in Therapy, Resource Utilization, and Clinical Outcomes in Patients with CHF, 2974 Rate Control seems the Preferable Therapy for Females with Persistent

Atrial Fibrillation: Data of the RACE study, 3425

Recent Hormone Therapy (HT) Trials Have Not Influenced HT Use in Women at Risk for Coronary Heart Disease (CHD): The NHLBI-Sponsored WISE Study, 3028

- Role Of Gender, Ovariectomy And Estrogen Replacement On Cardiac Remodeling And Function After Aortic Stenosis In Rats, 3304
- Role Of Soluble Epoxide Hydrolase In Postischemic Recovery Of Heart Contractile Function, 808
- Role of Testosterone on Male Predominance in Brugada Syndrome, 2347 Roles of Fatness and Fitness as Cardiovascular Risk Factors for Women: A Report from the Women's Ischemia Syndrome Evaluation, 3792
- Sex Differences and Their Impact on Clinical Outcome after Percutaneous or Surgical Revascularization. A Report from the Arterial Revascularization Therapies Study (ARTS), 3402
- Sex Steroids Modulate Expression of Matrix Proteins and Matrix Metalloproteinases and May Contribute to Gender Differences in Large Artery Stiffness, 568
- Sex-age Interaction after Myocardial Infarction: Impact on Hospital Mortality and 1-year Survival, 3522
- The Positive Inotropic and Negative Lusitropic Effects of Angiotensin II are Sex-Specific, 1283
- The Prognostic Value of Exercise Capacity in Women: Nomogram for the Female Population, 2610
- Unequal Access and Equalizing Effects of Revascularization after Acute Myocardial Infarction by Socioeconomic Group, 2523
- What Is the Best Method to Communicate Personal Coronary Risk in Ethnically Diverse Women?, 3080
- Women Are At Higher Risk Than Men For Atrial Fibrillation-Related Thromboembolism: The AnTicoagulation and Risk Factors in Atrial Fibrillation (ATRIA) Study, 3519
- Women Continue to Experience Higher Mortality with Primary Angioplasty for Acute Myocardial Infarction: A Report from the 1999/2000 New York State Angioplasty Database, 2327
- Women have Lower Tonic Autonomic Support of Blood Pressure and Less
  Effective Bargreflex Buffering than Men. 955
- Effective Baroreflex Buffering than Men, 955
  Women With a Framingham Risk Score <10 and a Family History of
  Premature CHD Have a High Prevalence of Subclinical Coronary
  Atheroscierosis, 3656
- Women with Chest Pain and Normal Coronary Arteries Have Increased Arterial Stiffness by Radial Artery Tonometry: A Report from the Women's Ischemia Syndrome Evaluation (WISE), 2445
- Younger Women with Acute Myocardial Infarction have Highest Prevalence of Depression, 1961

### Gene expression

- B-Adrenergic Receptor Stimulation Enhances Double Strand Formation and Transduction of Raav through Calcium/Calcineurin Cascade, 1739 α Myosin Heavy-Chain Gene Expression is Increased as an Early
- Adaptation to Exercise, 2609
  Wnt/β-Catenin Signaling Pathway Regulates Epicardial Function, 944
  Increasing Gene Expression Levels of Class A Macrophage Scavenger
  Receptors in the Peripheral Circulating Mononuclear Cells Is an Early
  Indicator of Acute Coronary Syndrome, 2198
- A Central Role for Nicotinic Cholinergic Receptor-Dependent Pathways in Regulation of Endothelial Cell Migration - Novel Insights into Angiogenesis, 1048
- A Haplotype of Human Angiotensinogen Gene Containing -217A and -1074T in its Promoter is Associated with Hypertension in African-American Population, 33
- A Role for Estrogen-Related Receptor- $\alpha$  in the Postnatal Cardiac Maturation Program, 1380
- Ablation of iNOS Delays Cardiac Contractile Dysfunction and Attenuates Hypertrophy Gene Expression Induced by Chronic Pressure Overload, 1985
- Adverse Remodeling and Impaired Calcineurin/NFAT Signaling after Myocardial Infarction in Heterozygous MLP Mutant Mice, 1095
- Allele DNASEI\*2 of Deoxyribonuclease | Polymorphism May be a Genetic Risk Factor of Myocardial Infarction, 907
- Altered Gene Expression of Tissue Inhibitors of Metalloproteinases in Clinical Recovery of Heart Failure with Combined Left Ventricular Assist Device and Clenbuterol Therapy, 2938
- Angiotensin Converting Enzyme Inhibitors Enhance COX-2 Expression and Prostacyclin Production in Endothelial Cells via ACE-Dependent Outside-in Signalling, 885
- Apoptosis Resistance with Expression of Mutant p193/Cul7 is Independent of its Binding p53 or Parc. 264
- Atrial Ion Channel Expression Changes Associated with Valvular Heart Disease and Atrial Fibrillation in Man, 612
- Bach1 is a Key Repressor of Heme Oxygenase-1 and Regulates Cell Proliferation, 1325
- Berberine is a Promising Novel Cholesterol-Lowering Drug Working Through a Unique Mechanism Distinct from Statins, 680
- Biological Pacemaker Expresses Wide Range Of Physiologic Rates And Compares Favorably With Electrical Pacemaker: A Preliminary Study In Dogs. 1394
- Blockage of the ERK Signaling Pathway Abrogates the SCAP Ligand-induced Transcriptional Activation of the LDL Receptor Gene in Human Liver Cells, 1000

Cardiac-specific Expression of a Dominant Negative Splicing Regulator in Mice Causes Cardiac Hypertrophy, Severe Cardiac Dysfunction, and Sudden Death, 1261

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- Cardiotrophin-1 Promotes Monocyte Chemotaxis Through Activation of Monocyte Chemoattractant Protein-1 in Human Aortic Endothelial Cells, 1009
- CD44 Regulates Genes in the Vasculature of apoE-Deficient Mice, 184
  Cell Cycle Re-entry of Cardiomyocytes in End-stage Heart Failure Patients
  Correlates with the Presence of Cardiac Progenitor Cells, 2090
- Chronic  $\beta$ -Blockade Therapy Normalizes mRNA Gene Expression for Hypoxia-Inducible Factor- $1\alpha$  in Left Ventricular Myocardium of Dogs with Heart Failure, 2257
- Chronic Amiodarone Dose-Dependently Remodels Ion Channel Transcripts in the Heart, 1248
- Circadian Clock Genes Cause Activation of the Human PAI-1 Gene Promoter with 4G/5G Allelic Preference, 839
- Class II Histone Deacetylases Regulate Expression of the Sodium/Calcium Exchanger During Cardiac Hypertrophy, 35
- Competition Between TIA And PTB RNA Binding Proteins Determine The Tissue-Specific Splicing Of The Myosin Phosphatase Targeting Subunit, 1263
- Conditional Cardiac Knockout of the Calcium Channel Ca,1.2 Gene Reveals an Essential Role in Adult Mouse Sinus Node Automaticity, 722
- Contractile Dysfunction in Human Chronic Atrial Fibrillation Is Associated with Hyperphosphorylation of Phospholamban and Phosphatase Inhibitor-1, 64
- Convergence of Genome-Wide Expression Analysis and Genome-Wide Linkage Analysis Identifies Candidate Genes for Atherosclerosis, 3799
- Correlates of Collateral Artery Formation in Patients with Coronary Artery Disease, 1295
- Cyclin A2 Mediates Cardiomyocyte Regeneration in Infarcted Myocardium and Preserves Ventricular Function, 811
- Cyp2C9 Genotyping Predicts Warfarin Dose and Allows for Quantitative Anticoagulant Dosing Algorithms, 3424 Cytoglobin: A Novel Cardioprotective Factor in the Stressed Heart, 809
- Cytoglobin: A Novel Cardioprotective Factor in the Stressed Heart, 809 Detection of Cardiac Allograft Rejection and Response to Therapy Using Peripheral Blood Gene Expression, 2718
- Differential Regulation of Expression of Endothelin-1 and Endothelial NO synthase by Angiopoietin-1: Implications for Vasoreactivity and Endothelial Function, 732
- Distinct Regulation of Melusin Gene Expression in Cardiac Hypertrophic Response, 974
- Distinctive Transcriptional Cascades of Notch Receptor Signaling in Vascular Smooth Muscle Cells (VSMC): Implications for Differential Growth Regulation by Notch1 vs Notch 2, 1383
- DNA Methylation and the Regulation of Vascular Smooth Muscle Cell Growth: Modulation of Cell Cycle Regulatory Genes by DNA methyltransferase 1 (Dnmt1), 1027
- DNA Polymorphisms With Variant In Vitro Function Are Common In The Cardiac Sodium Channel Promoter, 1254
- Dysregulation of TGF $\beta$  Contributes to Myxomatous Mitral Valve Disease in Marfan Syndrome, 276
- Effects of a Gene Variant of Human Extracellular Superoxide Dismutase in Spontaneously Hypertensive Rats, 774
- Elastin Overexpression Limits Postinfarction Scar Expansion and Improves Ventricular Function, 2951
- Electrophysiological Properties of Pluripotent Human and Mouse Embryonic Stem Cells, 218
- Elevated Myocardial Expression of Insulin-Like Growth Factor I and Related Genes following Clinical Recovery in Patients with Combined Left Ventricular Assist Device and Clenbuterol Therapy, 2937
- Emerin-Deficient Cells Have Normal Nuclear Mechanics but Impaired Mechanotransduction , 209
- Endothelial Expression of HIF- $1\alpha$  is a Critical Determinant of Whole-organ Glucose Uptake and Oxidation, 113
- ERK MAPK Regulation of Cardiac Retinoid X Receptor Is Involved in Impaired Fatty Acid  $\beta$ -Oxidation During Hypetrophic Growth, 946
- Ets-1 is a Transcriptional Mediator of Angiotensin II-induced Vascular Inflammation and Remodeling, 565
- Evolution of a Functionally Active Translational Machinery in an Anucleate Cell:Transfer of Translational Components to Proplatelet Granules and Membranes During Thrombopoiesis and Redistribution of the Translational Apparatus to mRNA-Rich Areas during Platelet Activation, 345
- Expression of Cell-Cycle Regulatory Genes and Telomerase in Fetal Human Cardiomyocytes Results in Bypass of Cellular Senescence, 1452 Expression of the Alternatively Spliced Isoform of Human Tissue Factor in
- the Cardiovascular System, 537

  Fatty Acid Compromises Cardiac Glucose Oxidation through Attenuation of Insulin-Stimulated Akt Phosphorylation and Induction of
- Fuel-Metabolizing Genes via Protein Kinase C (PKC) Activation, 1004 Females are More Resistant to Stress Than Males: Gender-Specific Role
- of HIF in Ventricular Remodeling, 510

  First Time Assessment of Whole Blood RNA Expression Immediately after Successful Cardiopulmonary Resuscitation, 2129

FKHRL1, a Forkhead Transcription Factor Induces Endothelial Cell Apoptosis through Activation of c-Jun N-Terminal Kinase and Suppression of NF-kB, 206

Forkhead Transcription Factor, Foxc2, Regulates TGF-beta1 -induced PAI-1 Gene Expression, 840

Forkhead Transcription Factors: Novel Transcriptional Repressors of eNOS to Block Endothelial Migration and Angiogenesis, 830

Functional Reconstitution of CD39 into Phospholipid Vesicles, 1030 GATA4 Expression Level is an Essential Regulator of Cardiac Performance at Baseline and in Pathological Hypertrophy, 1260

Gene Expression Analysis of Human Coronary Atherosclerotic Plaques: Dysregulation of NF-kB in the Vulnerable Phase., 592

Gene Expression Changes in Leukocytes During Cardiopulmonary Bypass are Dependent on Circuit Coating, 2368

Gene Expression Profiling and Cardiac Remodelling: Comparing Pressure versus Volume Overloaded Human Left Ventricle, 2947

Gene Expression Profiling Of Peripheral Blood Mononuclear Cells In Humans Yields Potential Biomarkers Of Accelerated Atherosclerotic Disease That Are Independent Of Known Cardiovascular Risk Factors.,

Gene Profiling and in vivo Validation Reveal a Key Role for the Chemokine Family in Atherosclerosis Development and Progression, 659

Gene Profiling in a Novel Mouse Model of Sudden Cardiac Death with Acquired QT Prolongation and Torsades de Pointes Secondary to Complete AV Block, 463

H11 Kinase Promotes The Activation And Nuclear Translocation Of

AMP-Dependent Protein Kinase, 107 Heart-Specific Disruption of MAT1, Assembly Factor of Cdk7/cyclin H. Causes Fulminant Heart Failure, 632

Hemodynamic Overload Provokes Accelerated Cardiac Decompensation in DARE Mice That Lack TNF AU-Rich Elements, 22

Heparan Sulfate Proteoglycan Glypican-3 Activates the Platelet Integrin

HERP1, a Target Gene of Notch, Maintains Undifferentiated State of Vascular Smooth Muscle Cells by Competing SRF Coactivator, Myocardin, 363

Hif2α, Ap-2β, and Et-1 Cooperatively Regulate Development of the Ductus

Human Connexin40 Gene Polymorphisms affect Promoter Activity by Altering Binding of NFAT and GATA Transcription Factors, 1247 Human Mutation of Perinatal Myosin Causes a Carney Complex Variant,

Human Myocardin Induces a Mixed Cardiac and Smooth Muscle Phenotype in Human Mesenchymal Stem Cells, 1514

Hypoxia-dependent Remodeling of the Embryonic Cardiac OFT and Susceptibility to Environmental Teratogens via Oxidant Stress, 444

Hypoxia-inducible Factor (HIF)-1  $\alpha$  Influences Vascular Remodeling Associated with Altered Flow, 390

Idenitification and Characterization of PARIS, Novel Negative Regulators of Vascular Smooth Muscle Cells., 1320 Identification of a Gene Expression Profile to Differentiate Ischemic and

Nonischemic Cardiomyopathy, 1604 Identification of a Novel Serum Response Factor Cofactor (p49/STRAP) in

Cardiac Gene Regulation, 1378 Imbalance Between Survival And Death Pathways During The Transition From Chronic Hypertrophy To Failure In Canine Heart, 795

Importance of Early Initiation of Anti-Tumor Necrosis Factor- $\alpha$  with huTNFR:Fc for Slowing the Progression of Heart Failure in Rats , 2780 In the Adult Human Heart Resides a Population of Non-blood-borne

Multipotent Cardiac Progenitor Cells, 1144 In Vivo Cardiac Protection of p21 WAFT/Clpt/Sdl1 | Knockout Against

Doxorubicin-Induced Cardiomyopathy, 902 In Vivo Distribution and Expression of FGF-1 Transgene in Patients with Severe Peripheral Arterial Occlusive Disease (PAD), 2438

Increased Activity Of Cardiac 12-Lipoxygenase Promotes Cardiac Dysfunction In Heart Failure Models, 638

Increased Expression of Matrix Gla Protein is Associated with Increased Proliferation and Mineralization in Human Varicose Vein, 1019

Inducible Cardiac Restricted Expression of Enteroviral Protease 2A is Sufficient to Cause Dilated Cardiomyopathy with Disruption of Dystrophin, 1093

Inhibition of Cardiomyocyte Apoptosis Prevents Cardiac Remodeling and Transition to Heart Failure, 966

Injection of Adult Stem Cells from Young vs Old Mice Have Differential Impact on the Transcriptome of Recipient Aortas in ApoE Mice: A

Global Gene Expression Profiling Study, 1515
Insulin-like Growth Factor-1 Mediates Stretch-induced Upregulation of Myostatin Expression via p38 MAP kinase and MEF2 Pathway in Cultured Rat Neonatal Cardiomyocytes, 38

Interleukin-6 and Mevastatin Regulate Expression of Plasminogen Activator Inhibitor Type-1 Through C/EBPδ in Intact Live Cells: Direct Demonstration by Chromatin Immunoprecipitation Assay, 538

Intestinal Cholesterol Absorption is Drastically Reduced in Mice Deficient in Both ATP-Binding Cassette Transporter A1 (ABCA1) and Acyl-CoA: Cholesterol O-Acyltransferase 2 (ACAT2), 1308

Involvement of FrzA and the Wnt/Frizzled Pathway in Ischemic

Preconditioning, 1434 KLF15 is a Novel Regulator of Cardiomyocyte Gene Expression, 1256 Krüppel-like Transcription Factor 5 (KLF5) Controls Angiogenesis, 1041 L-type Voltage-Gated Ca2+ Channels Modulate Expression of Smooth Muscle Differentiation Marker Genes via a Rho Kinase/Myocardin/SRF-Dependent Mechanism, 1249

Localization of an NF-kB Site on the C-reactive Protein Proximal Promoter,

Loss of Cardiac Myocyte-specific Expression of HIF-1α Increases Infarct Size and Susceptibility to Apoptosis, 513
Malignant Transformation of Heart Muscle in the Absence of the von

Hippel-Lindau Protein, 213

MAP Kinase Phosphatase-2 (MKP-2) Gene Expression is Mediated Via the PKC/ERK Signaling Cascade in Cardiac Hypertrophy, 1258

Mechanical Strain Affects Vascular Smooth Muscle Phenotype on Micropatterned Surfaces, 1513

Mechanisms for Cardiac Memory: In Vivo Knockdown of the cAMP Response Element Binding Protein Diminishes the Transient Outward Potassium Current, 37

Mechanisms of Hypertrophy Inhibition by Targeted Downregulation of NF-kB Activity in Mice, 1088

Mice Genetically Deficient in Antioxidant MnSOD Develop Myocardial Fibrosis and Maintained Elevation of Fibrotic Gene Expression in Response to Pressure Overload, 201

Migratory Capacity Determines Neovascularization Improvement and Cardiac Differentiation of Circulating Adult Progenitor Cells, 1518 Mixed-Lineage Kinase 1–3 Signaling Pathway Regulates Cardiac Hypertrophic Response via GATA-4 and AP-1 Transcription Factors,

Modulator Recognition Factor 1 (MRF1), an ARID-Family Member, is a Novel Corepressor for Estrogen Receptor- $\alpha$ , 146

Molecular Mechanisms governing Neointima Formation - Interaction of Inflammation, Stem Cell Recruitment, and Differentiation in a Mouse Model of Neointima Formation, 257

Muscle LIM Protein Plays a Critical Role in Vascular Remodeling in Response to Injury, 389

Myocardin Activity is Modulated by p300 and HDAC5, 1

Myosin Phosphatase Isoform Expression in the Specification and Modulation of the Smooth Muscle Contractile Phenotypes, 668

NF-kBp50 is Involved in Outward Arterial Remodeling and Differentially Regulates the Expression of Toll-Like Receptor 4 and Its Endogenous Ligand EDA, 1509

Novel Downstream Targets of the Homeodomain Transcription Factor Nkx2.5 Identified Through Transcriptional Profiling, 1379
Novel Mechanism of the Translocation of RhoA and Rho-kinase into

Nucleus is Important for Interleukin (IL)-18-Induced Gene Expression and Apoptosis in Cardiac Myocytes, 606

Novel Role for Brain Natriuretic Peptide to Antagonize Myocardial Sarcoplasmic Reticulum Calcium-Atpase Expression, 797

Novel Role for CCAAT/Enhancer-binding Protein b in Metabolic Adaptation of the Rodent Heart, 1545

Nuclear Respiratory Factor 1 (NRF1) Inhibits Upstream Stimulatory Factor 1 (USF1)-Dependent Transactivation of the Cardiac Isoform of Acetyl-CoA Carboxylase, 39

Nuclear Targeting of Akt/PKB by H11 Kinase Promotes Cell Survival, 1438 Once-Only Intramuscular Delivery Of Fc-Fusion Interleukin-10 Plasmid By Electroporation Reduces Neointima Formation In Hypercholesterolemic

p53 Downregulates Wnt/β-Catenin Pathway and Triggers Senescence of Cardiac Stem-Progenitor Cells, 19

P53 Plays An Important Role During Heart Failure In Transgenic Mice Overexpressing Myotrophin, 52

Paradoxical Role of Zinc in Cardiac Injury: A Potential Link to Environmental Zinc Exposure and Cardiovascular Morbidity, 1917 Pathological Levels of Cdk9 Activity in Cardiac Muscle Repress PGC-1 and Confer a Predisposition to Heart Failure, 1259

Perceived Hyperoxia in the Reoxygenated Heart: Oxygen-Sensitive Signaling for Cell Cycle Arrest and Differentiation of Cardiac Fibroblasts,

Periostin Ablation Attenuates Pathological Remodeling of Pressure-overloaded Heart and Reduces Scar Formation in Infarcted Myocardium, 32

Periostin as a Novel Factor Responsible for Ventricular Dilation, 492 Pharmacologic Activation of Liver X Receptor Promotes Reverse Cholesterol Transport from Macrophages to Feces In Vivo, 1586

PIAS1 Activates the Expression of Smooth Muscle  $\alpha$ -actin Gene by Interacting With SRF and Class I Bhlh Proteins, 1522

Prorenin-Induced Gene Transcription in Cardiomyocytes, 1223 Quantitative Analysis of Aberrant Splicing Caused by a Splice-Site Mutation in KCNQ1 Gene of a Patient with Long-QT Syndrome, 447 Reciprocating Wnt- and BMP-Dependent Pathways Drive Cardiogenesis in

P19Cl6 Cells, 1376

Regional Absence of Mitochondria Causing Energy Depletion in the Failing Myocardium of the MLP Knockout Mouse, 976

Regulation of Cardiac KChIP2 Expression by Hypertrophy-Inducing Stimuli, 400

Regulation of Inducible Nitric Oxide Synthase in Vascular Smooth Muscle Cells by Estrogen Receptors- $\alpha$  and - $\beta$ , 582

Regulation of K<sup>+</sup> Channel Protein, GIRK1 (Kir3.1), Expression by Sterol Regulatory Element Binding Protein (SREBP) in Cultured Atrial Myocytes, 1251

Remodeling of T3-responsive Gene Transcription in Rat Hearts by Chronic Amiodarone, 467

Resistin is Present in Atherosclerotic Lesions and Exerts Proatherosclerotic Effects on the Vessel Wall, 547

RNA Interference 'Rescues' Cardiac Myocytes from the Deleterious Negative Inotropic Effects of Lipopolysaccharide , 495

ROS-dependent Gene Regulation in Vascular Smooth Muscle Cells (VSMC): Signals that Modulate VSMC and Vascular Function, 1357 Secreted Frizzled-Related Protein 4 Inhibits Human Vascular Smooth

Muscle Cell Proliferation, 1328

Muscle Cell Proliferation, 1328

Muscle Cell Proliferation, 1328

SH2-containing Protein Tyrosine Phosphatase (SHP2) Functioning in LIF-induced Signaling Pathway Inhibits Skeletal  $\alpha$ -actin Gene Expression in Cardiomyocytes, 36

Significant Alterations in Heparan Sulfate Biosynthesis in Response to Vascular Injury, 1077

Silencing Heat-Shock Factor 1 In Vivo With Small Interfering RNA Abrogates Heat-Stress-Induced Delayed Cardioprotection In Mice, 806 Silencing HSF-1 Shifts Bax/Bcl-2 Balance, Opens Mitochondrial Pores, and Promotes Formation of Apoptosome, 269

SiRNA-Mediated Inhibition of SHP-1 Alleviates Myocardial Infarction, 519
Spontaneous Pulmonary Hypertension in Fawn Hooded Rats Results From a Mitochondrial Defect that Impairs O<sub>2</sub> Sensing, 1192

Targeting C - reactive protein: A Novel Model for Studying Its Synthesis and a Novel Key Pathway of Its Transcriptional Regulation in Human Hepatocytes, 1206

Tbx-20 Regulates GATA-4 and the Integrity of the Precardiac Epithelium, 278

TGFβ Inducible Early Gene-1 (TIEG1) and Hypertrophic Cardiomyopathy: Discovery and Characterization of a Novel Signaling Pathway , 1080

The Akt-FOXO Signaling Axis Controls Heart Size by Regulating Expression of the Ubiquitin Ligase Atrogin, 207

The Cardiovascular Remodeling Transcription Factor KLF5 is Regulated by the Histone Deacetylase HDAC1 through Direct Interaction, 1382
The HDAC Inhibitor MS-275 Abrogates Vascular Smooth Muscle Cell

The HDAC Inhibitor MS-275 Abrogates Vascular Smooth Muscle Cell Proliferation and Inhibits Neointimal Formation in a Rabbit Model of In-Stent-Restenosis, 1058

The Hepatic Lipase Promoter Polymorphism Modifies the Relation Between Dietary Starch and Coronary Heart Disease, 3805

The Kruppel-like Factor 2 (KLF2) Regulates Endothelial Thrombotic Gene Expression, 1517

The Kruppel-Like Factor KLF2 is a Novel Inhibitor of Angiogenesis via Repression of the VEGF Receptor VEGFR2 (KDR/flk-1), 828

The Mouse Cardiac Ventricular Repolarization Gradient is Established by the Homeodomain Transcription Factor Irx5, 443

The N-Terminal Domain of Friend-of-GATA-2 Interacts with Several Corepressors in Embryonic Heart Development, 1377

The Peptidyl Prolyl Cls-trans Isomerase Pin1 Binds Modulatory Calcineurin-interacting Proteins (MCIPs), 1375

The SDF-1 Chemokine and its Receptor CXCR-4 are Involved in Trafficking of Mesenchymal Stem Cells to Regions of Ischemic Injury, 1205

The Smad Binding Element, Selectively Responding to Smad3, is Essential for the Transcription of the SM22 Promoter in vivo, 155. The Transcription Factor Homeobox A9 Increases Endothelial Nitric Oxide

The Transcription Factor Homeobox A9 Increases Endothelial Nitric Oxide Synthase (eNOS) and VEGF Receptor 2 (KDR) Expression and Determines Endothelial Phenotype, 849

Tobacco Smoke Exposure Induces Endothelial and Macrophage Transcriptional Responses in vivo, 1916

Transcriptome Profile of Atherosclerosis-Sensitive and -Resistant Mouse Bone Marrow Macrophages Derived from an ApoE-Deficient Strain Intercross, 911

Transgenic Overexpression of mIGF-1 Increases Skeletal Muscle Phosphorylation of FOXO Forkhead Transcription Factors and Blocks Expression of the Ubiquitin Ligase Atrogin-1 in Chronic Ventricular Dysfunction, 210

Tumor Necrosis Factor Suppresses Cardiac Mitochondrial Fatty Acid β-oxidation: Potential Role of Transforming Growth Factor-β, 602 UTP-induced Osteopontin Expression is Mediated via AP-1, NF-κB, and

USF in Arterial Smooth Muscle Cells, 411
Variable Blood Flow Regulates Gene Expression in Cell Specific-Rich Area
of Aneurysmal Wall as Studied by Laser Capture Microdissection, 904

Why do the Pulmonary Veins Show Arrhythmogenesis?, 1396
Wilms' Tumour 1-Associating Protein Is Essential For Maintaining Vascular
Smooth Muscle Cell Quiescence, 1324

Xanthine Oxidase Inhibition Causes Reverse Remodeling in Rats with Dilated Cardiomyopathy, 101

Gene mutations

 $\beta_2$ -Adrenergic receptor gene and elevated blood pressure: The Copenhagen City Heart Study, 88

A Dominant-negative Mutation of δ-sarcoglycan Causes Cardiac Disease by Sequestering the Sarcoglycan Complex in the Nucleus, 1387

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A Genotype that Enhances the Atherogenic Effect of Smoking and the Antiatherogenic Effect of Smoking Cessation: Variant Forms of Macrophage Colony Stimulating Factor: The Los Angeles Atherosclerosis Study, 3806

A Haplotype at the Adiponectin Gene is Associated with Different Response of Cardiovascular Risk Factors to Weight Reduction in Overweight Subjects, 3601

A Homozygous Mutation in KCNE1 Causes Long-QT Syndrome without Deafness, 2353

A Novel Mechanism of Defective Trafficking and Dominant-negative Suppression of KCNQ1 Channel Found in Long QT Syndrome, 922

A Promoter Polymorphism of Human Tissue Kallikrein Gene is Associated with the Response of Blood Pressure to Dietary Salt Restriction , 89

A Splicing Mutation in the GlcNAc-1-Phosphotransferase Gene Results in an Adult-Onset Form of Mucolipidosis III Associated with Cardiomyopathy, 1257

Abnormal 3D ECG in long-QT syndrome patients: A new phenotypic marker for HERG mutations, 2891

Amyloid Heart Disease Mimicking Hypertrophic Cardiomyopathy, Emerging Clinical Implications of Genetic Testing, 40

An N-ethyl-N-Nitrosourea Mutagenesis Screen to Identify Novel Genes Causing Heart Failure, 211 APOC3 Haplotype Modifies the Association Between Abdominal Obesity

APOC3 Haplotype Modifies the Association Between Abdominal Obesity and Myocardial Infarction in the Central Valley of Costa Rica, 3803

Apolipoprotein A-V Truncation as a Cause of Familial Type-V Hyperlipoproteinemia, 876

Association of Polymorphisms in the IgA Fc Receptor and ABCA1 Genes with Myocardial Infarction and Other Coronary Events in the CARE and WOSCOPS Trials. 2012

Association of the 45TG and 276GT Polymorphisms in the Adiponectin Gene with Visceral Fat Accumulation and Metabolic Syndrome in Korean Men. 3598

Association of the T-786C Endothelial Nitric Oxide Synthase SNP With Cardiovascular Mortality in High-Risk Men, 576

Atypical Form of Catecholaminergic Ventricular Tachycardia due to a G14876A Mutation in the Cardiac Ryanodine Receptor Gene, 3211 Cardiac Involvement In Female Carriers Of Duchenne And Becker

Muscular Dystrophy, 1727 Danon Disease Explains The Phenotype In A Family Originally Reported As

Decreased Glucose Utilization Leads to Glycogen Accumulation in the Hearts Overexpressing Mutant 1/2 AMPK Subunit, 1546

Hearts Overexpressing Mutant y2 AMPK Subunit, 1546 DNA Polymorphisms With Variant In Vitro Function Are Common In The Cardiac Sodium Channel Promoter, 1254

Dominant-negative Akt impairs Endothelial Cell Survival by Mimicking the Inhibitory Effect of Electronegative LDL on FGF2 Transcription, 409

Effect of Age and Sex on Yield of Long QT Syndrome Genetic Testing, 3515

Efficient Identification of Mouse Models of Human Congenital
Cardiopulmonary Malformations Using High-Throughput Magnetic
Resonance Imaging, 441

Eisenmenger Syndrome and Atrial Septal Defect: Nature or Nurture?, 3023 Endocardial EMT and Maturation of the Atrioventricular Cushions Require Expression of GATA4 in Endocardial-Derived Cells, 273

Functional Comparison of Two Missense Mutations in Troponin C Identified in a Patient with Idiopathic Dilated Cardiomyopathy, 2954 Genetic Predictors and Reverse Remodeling of Dilated Cardiomyopathy in

Muscular Dystrophy, 1744 Genetic Variation at the Estrogen Receptor- $\alpha$  Locus in Relation to Venous

Thromboembolism Risk Among Postmenopausal Women, 3725
Hemodynamic Overload Provokes Accelerated Cardiac Decompensation in
DARE Mice That Lack TNF AU-Rich Elements, 22

Histone Acetyltransferase Activity of p300 Is Required for the Promotion of Left Ventricular Remodeling Following Myocardial Infarction in Adult Mice In Vivo, 738

Human Connexin40 Gene Polymorphisms affect Promoter Activity by Altering Binding of NFAT and GATA Transcription Factors, 1247 Human Mutation of Perinatal Myosin Causes a Carney Complex Variant,

lle 48 in Phospholamban is Essential in Forming a Binary Complex with Sarcolipin, 931

Impairment of the Ubiquitin-Proteasome System by Misfolded Cytoplasmic Protein in Cardiac Myocytes, 764

Increased Susceptibility to Heart Failure in Mice Lacking Natriuretic Peptide Receptor-A Gene, 90

Inducible Ventricular Tachycardia Exacerbated by Isoproterenol in a Mouse Model of Arrhythmogenic Right Ventricular Dysplasia, 1386 Interaction Effect of Ser447Stop Variant of the Lipoprotein Lipase Gene

Interaction Effect of Ser447Stop Variant of the Lipoprotein Lipase Gene and the Arg389Gly Variant of the  $\beta$ -1 Adrenergic Receptor Gene on Obesity Measures: The Bogalusa Heart Study, 3733

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- Loss of sFRP-1 Expression Leads to the Development of Adult-Onset Dilated Cardiomyopathy, 636
- Lung α/β-Hydrolase Protein 2 Suppresses Smooth Muscle Cell Migration and Inhibits Development of Experimental Intimal Hyperplasia, 151 MDR1 3435 C/T Polymorphism and the Risk of Acute Coronary Events:

The KIHD Study, 3804

- Novel Mutation (S338F) in Cardiac KvLQT1 S6 Domain Hinders KvLQT1-KCNE1 Coassembly, 67
- PCSK9 Mutations Found In Patients Diagnosed With Autosomal Dominant Hypercholesterolemia In The Netherlands, 560
- Phenotypic Variability in a Founder Population of 23 South African LQT1 Families with the KCNQ1-A341V Mutation, 2892
- Phospholamban Mutations in Human Dilated Cardiomyopathy, 1734 Prevalence and Spectrum of Mutations in Muscle LIM Protein (MLP) Among 389 Unrelated Patients With Hypertrophic Cardiomyopathy,
- Prevalence of an Amyloidogenic Transthyretin Allele (V122I) in Elderly African-Americans with Congestive Heart Failure, 3820
- Prevalence of Bone Morphogenetic Protein Receptor type II and Activin Receptor-Like Kinase-1 Gene Mutation in Pulmonary Arterial Hypertension, 3328
- Prothrombotic Mutations, Hormone Therapy, and Venous
- Thromboembolism: Is Transdermal Estrogen Safe?, 3724 Pulmonary Artery Smooth Muscle Cells Deficient in Type II Bone Morphogenetic Protein Receptor Exhibit Gain of Function in Response to Bone Morphogenetic Protein 7, 623
- Quantitative Analysis of Aberrant Splicing Caused by a Splice-Site Mutation in KCNQ1 Gene of a Patient with Long-QT Syndrome, 447
- RAAS Gene Polymorphisms Influence Cardiac Remodeling in Children with Hypertrophic Cardiomyopathy, 2081
- Reappraisal of Diagnostic Criteria for Brugada Syndrome in a Large Cohort of Patients with Molecular Diagnosis, 3206
- Recessive Inheritance of a Subclinical SCN5A Mutation and a Rare Polymorphism of Connexin 40 Underlying Congenital Atrial Standstill, 2686
- SCN5A Polymorphism Rescues Brugada Syndrome Mutation, 1099 Structure-Function Relationships of Eight Mutations in Troponin and Tropomyosin that Cause Dilated Cardiomyopathy, 57
- Targeted Mutational Analysis of the Cardiac Ryanodine Receptor in Sudden Unexplained Death: a Molecular Autopsy of 68 Medical Examiner's/Coroner's Cases, 2570
- The Role of Neonatal Electrocardiography in the Early Identification of Genetic Arrhythmogenic Disorders and Congenital Cardiovascular Diseases: Prospective Data from 21,000 Infants, 1930
- The Yield of Molecular Genetic Testing in Primary Electrical Heart Disease
- Transgenic Mice with Arterial Smooth Muscle Cell-Specific Conditional Deletion of The Bone Morphogenetic Protein Type IA Receptor (BMPRIA/ALK3) Are Hyporesponsive to Hypoxia, 624
- Triggers are Mutation-Type Specific in Long QT Syndrome Type 2, 1741

- B-Adrenergic Receptor Stimulation Enhances Double Strand Formation and Transduction of Raav through Calcium/Calcineurin Cascade, 1739
- Adenoviral Gene Transfer of a Broad Spectrum CC-Chemokine Inhibit Reduces Vein Graft Atherosclerosis in Apolipoprotein E-Knockout Mice,
- A Phase II Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Plasmid Del-1 (Developmentally regulated Endothelial Locus 1) in Subjects with Intermittent Claudication Secondary to Peripheral Arterial Disease: DELTA1-PAD, 2439
- AAV-HO-1 Gene Therapy Protects against Multiple Myocardial Ischemic
- Injury and Prevents Ischemic Cardiomyopathy, 1273
  Adeno-Associated Virus Vector-Mediated Systemic Expression of Interleukin-10 Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats, 43
- Adenoviral Delivery of a Cc-Chemokine Inhibitor, "35k," Reduces Macrophage Recruitment and Atherosclerosis in Apoe Knockout Mice,
- Adenoviral Expression of Activated PI3-Kinase Rescues Detrimental Effects of Chronic Cardiac-specific Akt Activation, 1364
- Adenoviral nNOS Gene Transfer Into the Cardiac Vagus Increases Protein Expression within 9 Hours and Enhances Vagal Responsiveness in The
- Adenoviral Overexpression of Human Bcl-2 in Chronic Rat Heart Allografts Suppresses Host Direct Pathway Allorecognition in a Nondonor Alloantigen Specific Fashion, 2721
- Adenovirus-Mediated Delivery of Early Growth Response Factor 1 Gene Increases Tissue Perfusion in a Murine Model of Hindlimb Ischemia,
- Adenovirus-Mediated Expression of a Ca2+-Activated K+ Channel in Mouse Hearts, 399
- Amelioration of Heart Failure-Associated Pathologic Changes in Mitogen-Activated Protein Kinases, Matrix Metalloproteinase, and Inducible Nitric Oxide Synthase with Gene Transfer of Sarcoplasmic

- Reticulum Ca2+-ATPase (SERCA) and β Adrenergic Receptor Kinase Inhibitor (BARKct), 49
- An Investigation of Gap Junction Formation between Skeletal Myoblasts and Adult Cardiac Myocytes Using Myoblasts Overexpressing Connexin43, 1878
- Angiogenic Gene Therapy Using Urokinase Gene Stimulates Angiogenesis in Infarcted Rat Hearts, 48
- Angiogenic Synergy Between Vascular Endothelial Growth Factor and Angiopoietin-1 Together with Myoblast Therapy for the Treatment of Ischemically Damaged Hind Limb, 1298
- Anti-Interferon-y Therapy Attenuates Progression of Established Atherosclerotic Plaques and Stabilizes Them in ApoE-Knockout Mice,
- Biological Pacemaker Expresses Wide Range Of Physiologic Rates And Compares Favorably With Electrical Pacemaker: A Preliminary Study In Dogs, 1394
- Blockade of Vascular Endothelial Growth Factor Not Only Reduces the de novo Formation of Atherosclerosis, but Also Limits the Progression of Already Established Atherosclerotic Plaque in ApoE-Deficient Mice, 371
- Bone Marrow Cells Recruited to the Sites of Adult Neoangiogenesis are not Directly Incorporated into the Newly Formed Vessels, but their Presence Correlates with Vessel Maturation, 1076
- Cardiac Adenoviral S100A1 Gene Delivery Rescues Contractile Function of Failing Myocardium, 4
- Cardiac Gene Transfer of Protein Phosphatase 1 Inhibitor-2 Restores Left Ventricular Function in Progressive Hamster Cardiomyopathy, 772
- Cardiac RhoA Overexpression Results in Marked Hypertrophy and Progression to Failure in vivo, 1082
- Cardiac-Specific and Hypoxia-Inducible VEGF Expression in Ischemic Heart Delivered by AAV Vectors Induces Neovascularization, Reduces Infarct Size, and Improves Cardiac Function, 1293
- Cardioprotective Effect of cis Element Decoy Oligonucleotides Against Nuclear Factor-kB in an Experimental Model of Septic Myocardial Dysfunction, 303
- Cell-based Gene Transfer of Angiopoietin-1 Reduces Airspace Inflammation in the Acute Respiratory Distress Syndrome (ARDS), 1417
- Cell-Mediated EPAS1 Gene Transfer is Superior to Cell Therapy Alone for Improving Arteriogenesis and Cardiac Function in Infarcted Heart, 1342 Cell-Mediated Gene Transfer of Master Regulator EPAS1 induces
- Arteriogenesis In Vivo, 530 Combined Benefits of Co-expressing Apolipoprotein B mRNA Editing Enzyme and Scavenger Receptor BI Mediated by High-capacity Adenoviral Vector, 3333
- Combined Cell and Gene Therapy for Therapeutic Angiogenesis: VEGF-2 Attenuates EPC Apoptosis and Augments Therapeutic Efficacy, 2186
- Connexin43 Overexpression Increases Gap Junctional Conductance between Skeletal Myoblasts and Adult Rat Ventricular Myocytes in Coculture, 1341
- Crossregulation between Giα2 and Adenylyl Cyclase in AV Nodes of Swine with Chronic Atrial Fibrillation and Heart Failure, 926
- Decorin Overexpression Reduces the Development of Atherosclerosis in Apolipoprotein E-deficient Mice, 384
- Effects of 8-catenin Gene Transfer on Survival and Apoptosis of Rat Cardiomyocytes/Fibroblasts and on Left Ventricular Function and Angiogenesis in a Rat Myocardial Infarction Model, 46
- Endogenous and Exogenous VEGF Regulates Reendothelialization and Neointima Formation in a Mouse Model of Arterial Injury, 771
- Endothelial PAS Domain Protein 1 Gene Promotes Mature Angiogenesis by Modulating the Coordinated Expressions of Fit-1, Fik-1, and Tie2 as Well as VEGF, 1074
- Enhanced Gene Therapy of Atherosclerotic In-Stent Stenosis Using Intravascular Magnetic Resonance/Radiofrequency, 1912
- Forkhead Transcriptional Factor FOXO3a Induces Apoptosis in Vascular Smooth Muscle Cells and Reduces Neointima Formation after Balloon Injury in Rats, 883
- Gene Therapy Provides Morphological and Functional Correction of Limb Girdle Muscular Dystrophy Type 2D, 50
- Gene Therapy to Treat Diabetic Neuropathy: Improvement of Diabetic Peripheral Neuropathy by Human HGF Gene Transfer, 597
- Gene Transfer of Hepatocyte Growth Factor Improves the Development of Experimental Autoimmune Myocarditis through Induction of T Helper 2 Cytokines, 44
- Gene Transfer of Human BCL2 into Embryonic Stem Cells Enhances Cell Survival Following Transplantation into Ischemic Mouse Myocardium,
- Generation of a Recombinant Apolipoprotein E Variant With Improved Biological Functions: Hydrophobic Residues (L261, W264, F265, L268, V269) of ApoE Can Account for the ApoE-Induced Hypertriglyceridemia,
- Genetically Engineered Mesenchymal Stem Cells Expressing IGF-1 Receptor Are Resistant to Apoptotic Stimuli, 1202
- Human Myocardin Induces a Mixed Cardiac and Smooth Muscle Phenotype in Human Mesenchymal Stem Cells, 1514
- Id1 Gene Transfer to Well-Differentiated Endothelial Cell Afforded Angiogenic Property and Contributed to Postnatal Angiogenesis, 532

- Impact of Microbbuble Shell and Mode of Contrast Administration on Microvascular Integrity and Myocardial Function During Contrast Echocardiography, 3463
- Improvement of Myocardial Ischemia and Segmental Wall Motion after Percutaneous Delivery of Intramyocardial Plasmid Encoding VEGF A-165 in No-option Patients: Quantitative Scintigraphic and Ventroulographic Results of the EUROINJECT-ONE Multicenter Study,
- In Vivo Distribution and Expression of FGF-1 Transgene in Patients with Severe Peripheral Arterial Occlusive Disease (PAD), 2438
- In Vivo Silencing of CCR2 by Lentiviral siRNA Transfer to Bone Marrow Cells Leads to Persistent Loss of CCR2 Function, 656
- Inhibitory Effect of NFkB Decoy Oligodeoxynucleotides (ODN) on Neointimal Hyperplasia in the Rabbit Vein Graft Model, 1490
- Involvement of the proprotein convertase Furin in the arterial response to injury, 1510
- Krüppel-like Transcription Factor 5 (KLF5) Controls Angiogenesis, 1041 Liposomal Hsp90 cDNA Transfection Initiates Neovascularization In Chronic Ischemic Hindlimbs: Evidence For A Microvasculatory Trigger Mechanism. 533
- Local Gene Transfer with Human Tissue Kallikrein Improves Reparative Neovascularization and Cardiomyocyte Viability and Prevents Ventricular Remodelling in a Mouse Model of Myocardial Infarction, 526
- Long-term Protection against Myocardial Infarction with Cyclooxygenase-2 (COX-2) Gene Therapy via a Recombinant Adeno-Associated Viral (rAAV) Vector, 503
- Maximizing Ventricular Function with Multimodal Cell-Based Gene Therapy, 1451
- Mechanisms and Potential Pharmacologic and Gene Therapy Strategies for Myoblast Transplant-Associated Ventricular Arrhythmias: Insights from a Unique In Vitro Model, 6
- Mesothelial Cell Transplantation in the Post-Myocardial Infarct Scar Induces Angiogenesis and Improves Heart Function, 1449
- Methionine Sulfoxide Reductase-A and Sulindac Protect Cardiac Myocytes Against Programmed Death Caused by Hypoxia/Reoxygenation or H2O2, 900
- Modulation of the β-adrenergic receptor kinase improves cardiac function in a neonatal model of right ventricular hypertrophy, 1281
- Myocardial Delivery of Nanoparticles by Ultrasound-Targeted Microbubble Destruction. Is Transient Dysfunction the Price to Pay ?, 2387
- Myocarditis in Baboon Hearts Injected with Adeno-Associated Virus Expressing Soluble Tumor Necrosis Factor Receptors, 767
- Once-Only Intramuscular Delivery Of Fc-Fusion Interleukin-10 Plasmid By Electroporation Reduces Neointima Formation In Hypercholesterolemic Mice, 662
- Paracrine Role of Adventitial Fibroblasts and Macrophages in Angiotensin II-Induced Reactive Oxygen Species and Hypertrophy of the Mouse Carotid Artery., 1023
- PIGF and VEGF-B Display Tissue-Specific Functions in Skeletal Muscle and Myocardium, 824
- Postinfarction Gene Therapy Against Transforming Growth Factor-β Signal Modulates Infarct Tissue Dynamics and Attenuates Left Ventricular Remodeling and Heart Failure, 1127
- Profound Cardiac and Whole-Body Functional Recovery in Heart Failure/Muscular Dystrophy Hamsters by Systemic Delivery of AAV8 Vectors via IV or IP Route, 766
- Protective Effect of Angiopoietin-1 in Endotoxin-Induced Septic Shock, 1459
- Regression of Experimental Rabbit Aortic Aneurysm by the Treatment with Chimeric Decoy Oligodeoxynucleotides (ODN) Against ets and NF<sub>K</sub>B ,
- Reversal of Monocrotaline-Induced Pulmonary Hypertension by Administration of Endothelial Progenitor Cells (EPCs) Transfected with Endothelial NO synthase (eNOS), 1123
- S100A1 Gene Therapy Preserves in Vivo Cardiac Function Following Myocardial Infarction, 491
- Sonic Hedgehog Induces Arteriogenesis And Restores Function After Chronic Myocardial Ischemia, 1291
- Sonic Hedgehog Promotes Myocardial Proliferation In Animal Models Of Myocardial Ischemia, 768
- Specific Knockdown of Protease 2A Attenuates Coxsackieviral Cytopathogenicity and Improves Survival in Highly Susceptible, CVB3-infected Type I Interferon Receptor-deficient Mice, 773
- Stent-Based Delivery of Nuclear Factor-kB Decoy Attenuates In-Stent Restenosis in Hypercholesterolemic Rabbits, 989
- Stent-Based Intracoronary Gene Transfer of a Secreted Transforming Growth Factor-β Type II Receptor Inhibits In-Stent Neointimal Hyperplasia, 769
- Stent-Based Vascular Gene Transfer by Hydrolysis-mediated Release of Adenoviral Vectors, 2866
- Strategy for Directing Endothelial Progenitor Cells into the Ischemic Myocardium Using Hypoxia Regulated SDF-1α Vector in a Cardiac Specific Manner In Vivo, 810
- Suppression of Anastomotic Intimal Hyperplasia in Rabbit Hypercholesterolemic Model Using Chimeric Decoy

- Oligodeoxynucleotides (ODN) Against NFkB and E2F, 1772 Suppression of Neointimal Formation in a Canine Model of Vein Graft Disease by Anti-Monocyte Chemoattractant Protein-1 Gene Therapy,
- Survivin Targeting Reverses Pulmonary Arterial Hypertension, 626 Sustained Correction of Glycogen Storage Disease Type II by Recombinant Adeno-Associated Virus Serotype 1 (AAV1) Vector-Mediated Gene Therapy, 765
- Targeted Disruption of the βARK1/Phosphoinositide 3-Kinase Complex Restores Contractile Function in Heart Failure, 296
- Targeted Modification Of Atrial Electrophysiology By Homogeneous Transmural Atrial Gene Transfer, 47
- Targeted Myocardial Expression of Soluble Fas Prevents the Development of Heart Failure in Mice with Cardiac-Specific Expression of Monocyte Chemoattractant Protein-1, 135
- The Cardioprotection Afforded By Inducible Nitric Oxide Synthase (iNOS) Gene Therapy is Mediated By COX-2 Via an NF-κB-dependent Pathway, 132
- The Forkhead Transcription Factor FoxO1a Regulates Cell Cycle Entry of Smooth Muscle Cells and Prevents Neointima Formation, 1506
- Therapeutic Targeting of the Type 1 Phosphatase Activity In Murine Models of Cardiomyopathy, 96
- Transmembrane Protein vs Intracellular Enzyme as Reporter Gene Product for Cardiac Gene Imaging, 2046
- Transplantation of Bone Marrow-Derived Mesenchymal Stem Cells Expressing Akt Into Infarcted Murine Heart Produces Dramatic Improvement in Cardiac Function Despite Infrequent Cellular Fusion, 316
- Transplantation of Mesenchymal Stem Cells Overexpressing AKT Limits Infarct Size and Prevents Cardiac Dysfunction as Early as 3 Days After Infarction: Evidence Suggesting Paracrine Action Rather Than Regeneration, 1196
- Ultrasound-Mediated Delivery of TIMP-3 Plasmid DNA Into Saphenous Vein Leads to Increased Lumen Size in a Porcine Interposition Graft Model 70
- Virus Receptor Trap, Expressing Both Coxsackievirus and Adenovirus Receptor and Decay-accelerating Factor, Can Attenuate Inflammation and Mortality in Experimental Coxsackieviral Myocarditis, 45

### Genetic techniques

- Crossregulation between  $Gi\alpha 2$  and Adenylyl Cyclase in AV Nodes of Swine with Chronic Atrial Fibrillation and Heart Failure, 926
- Eliminating Connexin37 Enhances Atherosclerosis in Apolipoprotein E-Deficient Mice, 179
- Evolution of a Functionally Active Translational Machinery in an Anucleate Cell:Transfer of Translational Components to Proplatelet Granules and Membranes During Thrombopolesis and Redistribution of the Translational Apparatus to mRNA-Rich Areas during Platelet Activation, 345
- Heart-Specific Disruption of MAT1, Assembly Factor of Cdk7/cyclin H, Causes Fulminant Heart Failure, 632
- Novel Downstream Targets of the Homeodomain Transcription Factor Nkx2.5 Identified Through Transcriptional Profiling, 1379
- Placental Growth Factor Enhances Macrophage Infiltration and Early Atherogenesis, 1310
- Quantitative Trait Loci that Determine Atherosclerosis Susceptibility in Mice: Genomic Convergence in the Study of Atherosclerosis Induced by a High-Fat Diet and Apolipoprotein E Deficiency, 1392
- Reduced Sorcin Expression Results in Dilated Cardiomyopathy, 60 Reversal of Cardiac Dysfunction by the Conditional Expression of Glycogen Synthase Kinase (GSK) 3-β in the Pressure-Overloaded Heart, 51
- Reversal of heart failure in a conditional model of CryAB R120G desmin-related cardiomyopathy, 1388
- Silencing Heat-Shock Factor 1 In Vivo With Small Interfering RNA Abrogates Heat-Stress-Induced Delayed Cardioprotection In Mice, 806
- Specific Knockdown of Protease 2A Attenuates Coxsackieviral Cytopathogenicity and Improves Survival in Highly Susceptible, CVB3-infected Type I Interferon Receptor-deficient Mice, 773.
- Successful Knockdown of Plasminogen Activator Inhibitor-1 Gene and Protein Expression in Human Vascular Cells Using Small Interfering RNA, 706
- Use of Mice with Smooth Muscle-targeted Expression of Cre Recombinase to Investigate Transforming Growth Factor-β Signaling in Vascular Development and Disease., 890

# Genetics

- Genetic Analysis of Apical Hypertrophic Cardiomyopathy, 2579 "Hyperaldosteronism" in Stage 1 Hypertension: Ethnic Differences, 2040  $\beta_2$ -Adrenergic receptor gene and elevated blood pressure: The Copenhagen City Heart Study, 88
- β2-Adrenergic Receptor Haplotypes and Risk of Sudden Cardiac Death, 3772
- $\beta$ 2AR-Glu27 Associates With Hypertriglyceridemia to  $\beta$ -blockers and Causes Insulin Resistance in vitro, 2039

- 45,X Karyotype and Bicuspid Aortic Valve are Independent Risk Factors for Aortic Root Enlargement in Turner Syndrome, 3542
- A Common Haplotype In The 5' Region Of The SCN5A Gene Is Strongly Associated With Ventricular Conduction Impairment, 1101
- A Common Haplotype within the CRP Gene Predicts Lower CRP Levels and Greater Change in CRP Levels in Response to Pravastatin Therapy,
- A Common PCSK9 Haplotype, Encompassing the E670G cSNP, Is Associated With Plasma Low-Density Lipoprotein Levels and Severity of Coronary Atherosclerosis, 3334
- A Common Polymorphism in the ABCA1 Gene (G1051A) is Associated with a Lower Prevalence of Coronary Calcification in the Multiethnic Study of Atherosclerosis (MESA), 3801
- A Genotype-Specific Mode of Onset of Torsade de Pointes in the Congenital Long-QT Syndrome: Relevance for Therapy Strategies, 2893
- A Haplotype of Human Angiotensinogen Gene Containing -217A and -1074T in its Promoter is Associated with Hypertension in African-American Population, 33
- A Homozygous Mutation in KCNE1 Causes Long-QT Syndrome without Deafness, 2353
- A Large Comprehensive SNP Genotyping Study of the LMNA Gene Reveals a Risk Haplotype That Associates With Early Onset of Familial Heart Failure, 3732
- A minK Polymorphism Associated with Increased Risk for Atrial Fibrillation has Complex Effects on Delayed Rectifier Current, 1104
- A New Locus For Atrial Fibrillation Maps To Chromosome 20q12-13, 1246
- A New Locus for Autosomal Dominant Mitral Valve Prolapse on Chromosome 13: Clinical Lessons, 1605
- A Novel SNP in the Promoter of the Human Gene GNAQ Encoding the G Protein Gαg Increases Transcriptional Activity and the Risk for Cardiac Hypertrophy, 2575
- A-204C Polymorphism in the Cholesterol-7α Hydroxylase (CYP7A1) Gene Determines LDL-cholesterol Concentration Responsiveness to Diet,
- An Association Between COL24A1 and Ejection Fraction in a Human Heart Failure Population: Evidence Supporting COL24A1 as a Modifier Gene in Human Heart Failure, 3331
- An N-ethyl-N-Nitrosourea Mutagenesis Screen to Identify Novel Genes Causing Heart Failure, 211
- Angiotensin-Converting Enzyme Genotype is not associated with Exercise Capacity in Patients after Acute Myocardial Infarction, 3670
- APOC3 Haplotype Modifies the Association Between Abdominal Obesity and Myocardial Infarction in the Central Valley of Costa Rica, 3803
- Apolipoprotein A-V Truncation as a Cause of Familial Type-V Hyperlipoproteinemia, 876
- Association between Promoter Single Nucleotide Polymorphism (SNP) of Bradykinin B2 Receptor and the Effect of Drugs for Hypertension, 2829 Association between the Estrogen Receptor  $\alpha$  Gene Variation and
- Measures of Adiposity: the Framingham Heart Study, 3726 Association of HLA-DR4, DR7 Gene, and the Clinical Manifestations of Aortoarteritis in Chinese Han Population, 1769
- Association of Hypertension Candidate Genes Selected from Expression Profile with Blood Pressure Variation and Hypertension, 3327
- Association of Insulin-Like Growth Factor (IGF)-1 and IGF-1 Receptor Gene Polymorphisms with Cardiac Hypertrophy and Diastolic Function in Essential Hypertension, 2828
- Association of Mutation in Heat Shock Protein 70 Gene with Postoperative Atrial Fibrillation, 3102
- Association of Polymorphisms in the IgA Fc Receptor and ABCA1 Gene with Myocardial Infarction and Other Coronary Events in the CARE and WOSCOPS Trials, 2012
- B2 Receptor BE1 Insertion/deletion Polymorphism Influences the Vasdodilatory Response to Exogenous Bradykinin, 2015
- Clinical and Molecular Characterization of a Large Cohort of Patients Affected by Catecholaminergic Polymorphic Ventricular Tachycardia,
- Clinical Profile of Arrhythmogenic Right Ventricular Cardiomyopathy Caused by Desmoplakin Mutations (ARVD8), 1736
- Comprehensive Screening of Human Desmin (DES) Gene in Dilated Cardiomyopathy, 2576
- Convergence of Genome-Wide Expression Analysis and Genome-Wide Linkage Analysis Identifies Candidate Genes for Atherosclerosis, 3799
- Detection Of HLA-G-Secreting Cells In Patients After Heart Transplantation, 3330
- Diagnostic Ionizing Friendly Fire and Long-Term Somatic DNA Damage in Children with Congenital Heart Disease, 3629 Differential Role of Lymphotoxin- $\alpha$  Polymorphisms between ST-Segment
- Elevation and Non-ST-Segment Elevation Myocardial Infarction, 906 Discovery and Replication of a Novel Polymorphism Associated with Coronary Disease Independent of Conventional Risk Factors in Two
- Caucasian Populations, 3802 Dynamic Regulation of MTHFR MRNA Expression and C677t Genotype in Individuals Submitted to CABG: Evidence for a Role of Homocysteine Metabolism after Coronary Surgery, 1703

- Effect of Age and Sex on Yield of Long QT Syndrome Genetic Testing, 3515
- Endothelial Nitric Oxide Synthase (eNOS) Glu298Asp Polymorphism Association with Coronary Heart Disease Risk is Modified by Smoking: The Atherosclerosis Risk in Communities Study, 3800
- Evidence of a Novel Locus on Chromosome 1p with Pleiotropic Effects on HDL Cholesterol and LDL Particle Size in Hypertensive Sibships , 3728
- Familial Thoracic Aneurysms: Phenotypic Features and Mode of Inheritance, 3106
- GATA4 Expression Level is an Essential Regulator of Cardiac Performance
- at Baseline and in Pathological Hypertrophy, 1260 Genetic Analyses for Carboxylesterase 1 Gene Variants in Hypertensive Patients In Relation to Responsiveness to Angiotensin Converting Enzyme Inhibitor, 2041
- Genetic Analyses Idenitify Common Mutations of a New Disease Gene in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy, 1737
- Genetic Determinants of Atherothrombosis in Mice, 831 Genetic Determinism Of Arterial Stiffness: A Twin Study, 3731
- Genetic Influence on Ectatic Coronary Artery Disease, 3729
- Genetic Linkage and Association of the Growth Hormone Secretagogu RECEPTOR (GHSR, Ghrelin Receptor) Gene in Human Obesity, 3787
- Genetic Variation in MMP-3 (Stromelysin), Phenotype and Clinical Outcomes in Patients with Congestive Heart Failure, 2585
- Genetic Variation in MMP-9 (Gelatinase-B) LV Remodeling and Clinical Outcomes in Patients with Congestive Heart Fallure, 2092
- Genetic Variation in the F3 Gene is Associated with Risk and Prognosis in Acute Coronary Syndrome, 2675
- Genetics of Cholesterol Absorption and Plasma Plant Sterol Levels on the Pacific Island of Kosrae, 3332
- Genome Scan for Calcified Atherosclerotic Plaque in the Coronary Arteries: Evidence for Linkage to Chromosomes 4q and 10p from the NHLBI Family Heart Study, 3798
- Genome-wide Scan for HDL-C in Canadian Families with Low HDL-C,
- High-Risk for Bradyarrhythmic Complications in Patients with Brugada Syndrome Caused by SCN5A Gene Mutations, 1100
- High-Throughput Screening Identifies Genetic Variants Associated with Variability in Platelet Function, 3329
- Higher IL-6 Levels But Not IL-6 -174GC Or -572GC Genotype Are Associated With Postoperative Complication Following Coronary Artery Bypass Surgery (CABG), 1483 Homocysteine: Cardiovascular Risk Predictor or Mirror of Renal Function?
- Results from the AtheroGene Study, 1346
- Human Mutation of Perinatal Myosin Causes a Carney Complex Variant,
- Identification of Genetic Risk Factors for Atherosclerosis and Drug Response Markers Using Clinical Trials of the Cholesterol-Lowering Drug Pravastatin, 2982
- Impact of Genetic Syndromes on Surgical Correction of Tetralogy of Fallot, 3412
- Inflammation and Genetic Factors to Predict Restenosis after Percutaneous Coronary Interventions, 2299
- Inflammatory Gene Polymorphisms and Cardiovascular Risk: A CARE Genetic Substudy, 1694
- Inflammatory Genetic Factors to Predict Restenosis in Diabetic Patients after Percutaneous Coronary Intervention, 3675
- Influence of Adrenergic System Polymorphisms and Nongenetic Factors on Obstructive Coronary Artery Disease (CAD) in Women: Results from the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE), 1685
- JNK2 Is Required For Atherosclerosis In Vivo Through Regulation Of Scavenger Receptor-A Mediated Foam Cell Formation, 1585
- KLF13 Cooperates with GATA4 in Cardiac Morphogenesis and is Required in Xenopus Heart Formation, 275
- Lamin A/C Regulates TGF-β-Mediated Fibroblast Proliferation and Collagen Production by Allowing PP2a to Dephosphorylate Rb: A Novel Explanation for the Adverse Effects of Lamin A/C Mutations?, 1265
- Lethal Dilated Cardiomyopathy Caused By A Missense Mutation In Phospholamban Is Rescued By Ablation Of The Wild-Type Gene, 2781 Linkage Analysis of LDL Cholesterol in American Indian Populations: The
- Strong Heart Family Study, 3817 Longevity-related Mitochondrial 5178A/C Genotype is Associated with
- Cardiovascular Diseases, 3652 LPL G447 Allele Lowers the Risk of Restenosis after Percutaneous Coronary Intervention, 1520
- Lung α/β-Hydrolase Protein 2 Suppresses Smooth Muscle Cell Migration and Inhibits Development of Experimental Intimal Hyperplasia, 151
- Matrix Metalloproteinase-3 Promoter Variant Associated with Decreased Aortic Compliance is More Common in African Americans than Whites: From the Dallas Heart Study, 3819
- Mitochondrial Genetic Effects on Variation in Plasma Total Antioxidant Activity in the San Antonio Family Heart Study, 3818
- Morphological Abnormalities of the T Wave among Genotyped Patients with the Long QT Syndrome, 2894
- Multilocus Approach to the Pharmacogenetics of Thiazide Diuretics, 2014

- Mutations In The Gene Encoding The Cytoskeletal Protein Filamin A Cause X-Linked Myxomatous Plurivalvular Dystrophy, 439
- NAD(P)H Oxidase and MRP Genetic Polymorphisms are Associated with Doxorubicin-induced Cardiotoxicity, 3730
- New Candidate of Genetic Predisposing Factor for Essential Hypertension: Japanese Millennium Project and The Ohasama Study, 3816 Novel Mutations in Phospholamban Gene Cause Hypertrophic
- Cardiomyopathy and Dilated Cardiomyopathy in Japan, 2577 Paraoxonase 1 Gene Variant Influences Pravastatin Reduction of Coronary
- Heart Disease, 2010
- Polymorphisms in Matrix Metalloproteinases Predict the Ability of Statins to Reduce Death or MI, 2009
- Polymorphisms Of The GP IIIa And P2Y12 Receptors And Modulation Of Antiplatelet Effects Of Combined Aspirin And Clopidogrel Treatment, 2013
- PPARI7 Polymorphism is Associated with Reduced Cardiac Function Identifying it as a Modifier of Heart Failure, 2584
- Prevalence and Spectrum of Mutations in Muscle LIM Protein (MLP) Among 389 Unrelated Patients With Hypertrophic Cardiomyopathy, 2578
- Proinflammatory Genetic Profiles in Subjects with History of Ischemic Stroke, 2984
- Quantitative Analysis of Aberrant Splicing Caused by a Splice-Site Mutation in KCNQ1 Gene of a Patient with Long-QT Syndrome, 447
- Quantitative Trait Loci that Determine Atherosclerosis Susceptibility in Mice: Genomic Convergence in the Study of Atherosclerosis Induced by a High-Fat Diet and Apolipoprotein E Deficiency, 1392
- ROS1 and TAS2R50 are Associated with Myocardial Infarction: Novel Genetic Associations in Three Sample Sets, 3797
- SR-B1 Novel SNPs and Haplotypes Are Associated With Response of Coronary Atherosclerosis to Treatment With Fluvastatin in The Lipoprotein Coronary Atherosclerosis Study Population, 2008
- Sudden Arrhythmic Death Syndrome: Cardiological Evaluation Identifies
- Inherited Heart Disease in over half of all Families, 2573
  Sudden Unexplained Death: Heritability, Diagnostic Yield, and Therapeutic
  Yield of Routine Cardiological Examination in Surviving Relatives, 1735
- Targeted Mutational Analysis of the Cardiac Ryanodine Receptor in Sudden Unexplained Death: a Molecular Autopsy of 68 Medical Examiner's/Coroner's Cases, 2570
- The AA Genotype of the TNF- $\alpha$  G-308A Polymorphism is Associated with Elevated C-Reactive Protein Levels in White and Black Adults: The HERITAGE Family Study, 435
- The CYP3A5 Polymorphism is Associated with Clopidogrel Resistance and a Predictor of Cardiovascular Event after Stenting , 1821
- The Hepatic Lipase Promoter Polymorphism Modifies the Relation Between Dietary Starch and Coronary Heart Disease, 3805
- The Peptidoglycan Recognition Protein-L Gene is Associated with Myocardial Infarction, 1012
- The Yield of Molecular Genetic Testing in Primary Electrical Heart Disease.
- Transcriptome Profile of Atherosclerosis-Sensitive and -Resistant Mouse Bone Marrow Macrophages Derived from an ApoE-Deficient Strain Intercross, 911
- Triggers are Mutation-Type Specific in Long QT Syndrome Type 2, 1741 Tumor Necrosis Factor α G(-244)A(-238) Haplotype is Associated with Lower Risk of Restenosis after Percutaneous Coronary Intervention, 449
- Unconventional Splice Site Mutation in SCN5A as Cause (and Modifier?) of Overlapping Phenotypes of Brugada Syndrome and Isolated Cardiac Conduction Defect, 1743

- Effect of Medical and Surgical Weight Loss on Endothelial Vasomotor Function in Obese Patients, 1468
- Abnormal Glucose Regulation in Patients with Coronary Artery Disease: Experience from the Euro Heart Survey, 3677
- Acarbose, an α-glucosidase Inhibitor, Reduces Myocardial Infarction Size in Rabbits by Opening the Mitochondrial K<sub>ATP</sub> Channels, 3639 Active Metabolite of GLP-1 Mediates Increased Myocardial Glucose
- Uptake and Improves Hemodynamics in Dilated Cardiomyopathy, 3148 Acute Hyperglycemia Impairs KATP Channel-Mediated Coronary
- Microvascular Responses, 596 Acute Hyperglycemia, but not Diabetes Mellitus, is a Predictor for Short and Long Term Mortality in Patients after Acute Myocardial Infarction in
- the Contemporary Primary Angioplasty Era, 1943 ApoE Knockout and LDL Receptor Knockout Mice Develop Increased Insulin Sensitivity in Liver and Heart In Vivo, 1005
- Apolipoprotein D Knockout Mice Are Protected from Diet-Induced Cardiac Insulin Resistance But Develop Diet-Induced Atherosclerosis, 1579 Arterial Stiffness and Left Ventricular Mass are higher in Subjects with
- Impaired Fasting Glucose, 3674 Decreased Glucose Utilization Leads to Glycogen Accumulation in the
- Hearts Overexpressing Mutant  $\gamma 2$  AMPK Subunit, 1546 Decreased Myocardial Efficiency and Increased Fatty Acid Oxidation Characterize ob/ob and db/db Mouse Hearts Prior to the Onset of Hyperglycemia, 1547

- Deletion of the p66<sup>shc</sup> Gene Protects from Diabetic Cardiomyopathy by Activation of Cardiac Stem Cells that Leads to Increased Proliferation of Myocytes, 320
- Effects of Concentric and Eccentric Muscle Exercise on Lipid and Glucose Metabolism in Healthy Sedentary Individuals, 3826
- Effects of Glucose Abnormalities on In-Hospital Outcome after Coronary Intervention for Acute Myocardial Infarction, 3232
- Endothelial Expression of HIF-1α is a Critical Determinant of Whole-organ Glucose Uptake and Oxidation, 113
- Explanted Diabetic Arteries Exhibit Increased Angiogenesis in a Novel In Vitro Human Model, 3634
- Gene Expression Profile for Energy Production in Failing Human Hearts and its Modulation by β-Blocker Therapy, 2033
- H11 Kinase Promotes The Activation And Nuclear Translocation Of
- AMP-Dependent Protein Kinase, 107 High-Dose Atorvastatin Associated with Worse Glycemic Control: A PROVE-IT TIMI 22 Substudy, 3848
- Hyperglycemia Increases Hospital Mortality in Patients With Acute Coronary Syndromes: Results From The Global Registry of Acute Coronary Events, 3622
- Impact of Short-term and Long-term Activation of Akt on Myocardial Glucose Utilization, 1333
- Impairment of Endothelial Progenitor Cells: A Critical Role of p38 MAP Kinase, 716
- Improved Tolerance to Ischemia in Hypertrophied Hearts by Inhibition of Glycogen Synthase Kinase-3, 1704
- Insulin-Mediated Regulation of 5'AMP-Activated Protein Kinase, but not Glycolysis, is Attenuated by Fatty Acids, 972
- Lifetime Drinking Pattern Is Related to Risk of Metabolic Syndrome, 3842 Major Prognostic Role of Admission Glycemia on 30-day and 1-year Outcomes in Nondiabetic Patients Admitted for Myocardial Infarction:
- Results from the Nationwide French USIC Study, 1851 Mesenchymal Stem Cells Overexpressing AKT Prevent Cardiac Metabolic Remodelling After Infarction, 818
- Mice with Heart-Specific Overexpression of TNF Develop Cardiac Insulin Resistance, 601
- Myoglobin a Switch for Cardiac Substrate Selection, 114
- Noninvasive Assessment of Right Ventricular Pressure Overload and the Effect of Epoprostenol Using Gated [18F]fluorodeoxyglucose PET in Patients with Pulmonary Hypertension, 3054
- O-GICNAc Transferase Mediates the Effects of High Glucose on eNOS
- Overexpression of AKT in Mesenchymal Stem Cells Improves ATP Production Under Hypoxia by Increasing Glucose Uptake and Mitochondrial Enzyme Activity: a Possible Explanation for Increased Resistance to Apoptosis, 267
- Rho-kinase Mediates High Glucose-induced Plasminogen Activator Inhibitor-1 (PAI-1) Expression in Vascular Endothelial Cells, 1496
- Small Vessel and Diffuse Coronary Narrowing Developed in Patients with Impaired Glucose Tolerance: A New Parameter for the Assessment of Entire Coronary Trees, 3750
- Superoxide Impairs cAMP-Mediated Dilation by Reducing K, Channel Function in Rat Small Coronary Arteries from Diabetic Rats, 866
- Systemic Inflammation Links Impaired Glucose Metabolism to Cardiac Allograft Vasculopathy Development, 3480
- The Angiotensin Type 1 Receptor Blocker Irbesartan Induces Adiponectin Expression via PPARy Activation, 3851
- U-Shaped Relationship of Blood Glucose with Adverse Outcomes Among Patients with ST-Segment Elevation Myocardial Infarction, 1850

# Glycoprotein Ilb/Illa platelet inhibitors

- Clopidogrel Loading with Eptifibatide to Arrest the Reactivity of PLATELETS: The CLEAR PLATELET Study, 1819
- Antithrombotic and Antiproliferative Potential of Eptifibatide Eluting Stent: in vitro Evaluation, 2869
- Combination Eptifibatide and Reduced-Dose Tenecteplase Versus Eptifibatide Monotherapy Preceding Primary PCI: Final Results of the ADVANCE-MI Trial, 1623
- Combination Therapy of Glycoprotein Ilb/Illa Inhibitors and a Thienopyridine is Associated with Reduced Hospital Mortality in Patients with Non-ST Elevation Myocardial Infarction Managed Invasively but not Conservatively: Lessons from the National Registry of Myocardial Infarction 4, 2519
- High-Dose BoluS TiRofibAn and Sirolimus-Eluting STEnt versus Abciximab and Bare Metal Stent in Acute MYocardial Infarction (STRATEGY) Study
- Impact of Glycoprotein Ilb/Illa Inhibitors in Patients Undergoing Percutaneous Coronary Intervention for Acute Myocardial Infarctions: A Report From the New York State Angioplasty Registry, 2518
- Integrin Activation and Clustering Mechanisms Elucidated with Echistatin, A Model Multisite Ligand, 347
- Lack of GPIIb Integrin Attenuates Atheroprogression and Cerebral Ischemia-Reperfusion Injury in Mice, 1211
- Outcomes of Patients with Acute Coronary Syndromes who are Treated with Bivalirudin during PCI: An Analysis from the REPLACE-2 Trial,

- Predictors of Bleeding Associated with Clinical Strategies that Include Glycoprotein Ilb/Illa Inhibitors in Acute Coronary Syndrome, 2000–2003: National Registry of Myocardial Infarction 4, 2670
- ReoPro as Adjunctive Therapy in Primary Angioplasty is Associated with Accelerated ST-Segment Resolution and Fewer Reinfarctions: Results from the DANAMI-2 Trial, 3071

#### **Growth factors**

- β-Adrenergic Receptor-Localized Phosphoinositide 3-Kinase Selectively Regulates Transactivation and Internalization of the EGF Receptor in
- Wnt/β-Catenin Signaling Pathway Regulates Epicardial Function, 944 A Combined Cellular Cardiomyoplasty with Autologous Myoblast and Bone Marrow Cells Provides Alliance of Myogenesis and Angiogenesis for Ischemic Cardiomyopathy, 1557
- A Locally Expressed Splice Variant of IGF-I Reduces Ischemic Injury after Myocardial Infarction by Inhibiting Apoptosis, 1365 A New Method of Preventing Catheter-Related MRSA Infection by
- Angiogenesis Effects of Control-Released bFGF, 2770
- A Novel Transcriptional Regulatory Pathway of PDGF-A Chain Mediated by KLF5 through Cooperative Activation with NF- kB And Phorbol Ester,
- Activation of Growth Factors and Cytokines in Mice Lacking Natriuretic
- Peptide Receptor-A: Role in Cardiac Hypertrophy and Fibrosis, 791 Administration of Control-Released Hepatocyte Growth Factor Enhances the Efficacy of Skeletal Myoblast Transplantation in Rat Infarcted Hearts by Greatly Increasing Both Quantity and Quality of the Graft, 1880
- Angiogenesis but not Arteriogenesis Supports Regional Contractility in Chronic Myocardial Ischemia, 1292
- Angiogenic Gene Therapy Using Urokinase Gene Stimulates Angiogenesis in Infarcted Rat Hearts, 48
- Angiogenic Synergy Between Vascular Endothelial Growth Factor and Angiopoietin-1 Together with Myoblast Therapy for the Treatment of Ischemically Damaged Hind Limb, 1298
- Anti-Tumor Necrosis Factor-α Treatment Attenuates Adaptive Arteriogenesis, 1070
- Antiapoptotic Effects of Growth Hormone are Associated with Improvement of Left Ventricular Geometry in Patients with Heart Failure Secondary to Idiopathic Dilated Cardiomyopathy, 2786
- ARF6 Regulates VEGF Receptor (KDR/Flk1) Trafficking Through Caveolae/Lipid Rafts: Role in Endothelial Migration, 1072
- Association of Insulin-Like Growth Factor (IGF)-1 and IGF-1 Receptor Gene Polymorphisms with Cardiac Hypertrophy and Diastolic Function in Essential Hypertension, 2828
- Bone Morphogenic Protein 7 (BMP-7) is an Endogenous Inhibitor of Cardiac Fibrosis and Attenuates Conversion of Endothelial Cells into Fibroblasts, 1900
- Bst1, a Novel Member of the SPARC Family, Potentiates Growth Factor Activity and Angiogenesis, 1039
- Calcitonin Gene-Related Peptide Prevents Vascular Smooth Muscle Cell Apoptosis via a Novel Mechanism Involving the Insulin-Like Growth Factor 1 Receptor/Phosphatidylinositol 3-Kinase/Akt Signaling Pathway, 1216
- Cardiac Stem Cell Activation and Myocardial Regeneration Reverse Heart Failure and Prolong the Lifespan of Senescent Fischer 344 Rats, 816 Cardiac Stem Cells Regenerate the Infarcted Heart, Restoring Function
- and Long-Term Survival in Mice, 814 Cardiomyocyte Degradation of Connexin43 Through Local Autocrine/Paracrine HB-EGF: a Novel Potential Arrhythmogenic Mechanism, 28
- Caveolin-1 is Required for AT, Receptor Trafficking into Caveolae/lipid Rafts Coupled to Redox Signaling in Vascular Smooth Muscle Cells, 420 Chemokines Induce Matrix Metalloproteinase-2 Through Activation of
- Epidermal Growth Factor Receptor in Arterial Smooth Muscle Cells, 594 Combined Strategy of Myoblast Transplantation with Hepatocyte Growth Factor Gene Therapy Improves Cardiac Performance with Restoration of Impaired Heart in Dilated Cardiomyopathic Hamsters, 1448
- Differentiation of Arteriogenesis from Capillary Perfusion with Contrast
- Ultrasound During Therapeutic Angiogenesis, 2388
  Direct Evidence that TGF-β-Smad3 Signal Plays a Protective Role Against Atherosclerosis, 546
- DNA Methylation and the Regulation of Vascular Smooth Muscle Cell Growth: Modulation of Cell Cycle Regulatory Genes by DNA methyltransferase 1 (Dnmt1), 1027
- Dominant-negative Akt impairs Endothelial Cell Survival by Mimicking the Inhibitory Effect of Electronegative LDL on FGF2 Transcription, 409
- Effects of G-CSF on Serum Cholesterol and Development of Atherosclerotic Plaque in Apolipoprotein E-Deficient Mice, 417 Effects of Skeletal Myoblast Transplantation, bFGF Administration, and the Combination on Tissue Blood Flow and Left Ventricular Remodeling in Rat Infarcted Hearts: Comparison Using Pinhole SPECT, 812
- Elevated Myocardial Expression of Insulin-Like Growth Factor I and Related Genes following Clinical Recovery in Patients with Combined Left Ventricular Assist Device and Clenbuterol Therapy, 2937

- Endothelin-1, via Rho Proteins, increases the Connective Tissue Growth Factor in Vascular Smooth Muscle Cells, 1319
- Ex vivo Cardiac Specification of Adult Bone Marrow-Derived Mesenchymal Stem Cells is Feasible using Biological Growth Factors and Facilitates Cardiac Repair of the Chronically Infarcted Myocardium, 318
- GATA4 Expression Level is an Essential Regulator of Cardiac Performance at Baseline and in Pathological Hypertrophy, 1260
- Gene Therapy to Treat Diabetic Neuropathy: Improvement of Diabetic Peripheral Neuropathy by Human HGF Gene Transfer, 597
- Gene Transfer of Hepatocyte Growth Factor Improves the Development of Experimental Autoimmune Myocarditis through Induction of T Helper 2 Cytokines, 44
- Ghrelin Improves Endothelial Function of Acute Ischemic Renal Failure via Insulin-Like Growth Factor-1 Signaling Pathway, 1109
- Hepatocyte Growth Factor Mobilizes Bone Marrow Stem Cells to Infarcted Area and Improves Cardiac Function in Mice via Akt Pathway, 18 High Glucose and Minimally Oxidized LDL Upregulate Osteopontin
- Expression through Distinct Pathways in Vascular Smooth Muscle Cells
- High- but Not Low-Molecular-Weight FGF-2 Causes Cardiomyocyte Hypertrophy In Vitro and In Vivo: Possible Involvement of Cardiotrophin-1 and gp130, 603
- IGF-1 Receptors in Plaques of Symptomatic and Asymptomatic Patients with Carotid Stenosis, 585
- In the Adult Human Heart Resides a Population of Non-blood-borne Multipotent Cardiac Progenitor Cells, 1144
- In Vivo Distribution and Expression of FGF-1 Transgene in Patients with Severe Peripheral Arterial Occlusive Disease (PAD), 2438 Induction of Plasminogen Activator Inhibitor-1 Production by Hepatocyte
- Growth Factor in Liver and its Potential Clinical Implications for Angiogenesis, 541
- Insulin-like Growth Factor-1 Restores Performance of Infarcted Heart via Akt Signaling Pathway, 1453
- Intramyocardial Injection of Fibroblast Growth Factor-1 for Treatment of Refractory Angina Pectoris: The Initial US Experience, 1874
- Involvement of COX-2 in VEGF-induced Angiogenesis via P38 and JNK Pathway in Endothelial Cells, 1071
- L-Arginine Supplementation Improves the Inhibited Angiogenic Response to FGF in a Porcine Model of Myocardial Ischemia with Endothelia
- Ligand-Induced and Constitutive Activation of Peroxisome Proliferator-Activated Receptor-γ Inhibits Telomerase Activation in Vascular Smooth Muscle Cells, 1327
- Membrane Protein CD9 Regulates Hypertrophy and Heart Failure via EGFR Signaling In Vitro and In Vivo, 27
- Mobilization Of Progenitor Cells By G-CSF Increases Inflammatory Response And Calcifications In Decellularized Heart Valves, 1563
- Murine Bone Marrow Stromal Cells Protect Cardiomyocytes against Anoxia in vitro, 1561
- Myocardial Regeneration Induced by Differentiation of Bone Marrow Cells, Chimerism, and Transplantation or Activation of Cardiac Stem Cells in Animals and Humans Does not Require Cell Fusion, 651
- Neointimal Proliferation is Reduced in GM-CSF ko Mice Following Arterial
- Nitric Oxide Attenuates Aortic Smooth Muscle Cell Motility via Decrease of Small GTPase Rac1 Activity: Role of PTP-PEST and p130cas, 419
- No Restenosis after G-CSF in Acute Myocardial Infarction: Insights from FIRSTLINE-AMI (Front-Integrated Revascularization and Stem Cell Liberation in Evolving Acute Myocardial Infarction by Granulocyte Colony-Stimulating Factor), 1140 NOS3 Exon7 (Glu298Asp) Polymorphism Regulates VEGF-Induced
- Endothelial Cell Wound Closure In Vitro: Response To Treatment With VEGF205\* Isoform, 1176
- Novel Role of ARF6 in Caveoale- and Reactive Oxygen Species-dependent AT, Receptor Signaling in Vascular Smooth Muscle
- Osteopontin Expression and Adventitial Angiogenesis Induced by Local VEGF<sub>165</sub> Reduce Experimental Aortic Calcification, 2748
- Oxidized LDL Modulates Apoptosis of Atherosclerotic Plaque Vascular Smooth Muscle Cells via Regulation of the Insulin-like Growth Factor-1 System, 1185
- p53 Downregulates Wnt/β-Catenin Pathway and Triggers Senescence of Cardiac Stem-Progenitor Cells, 19
- Placental Growth Factor Enhances Macrophage Infiltration and Early Atherogenesis, 1310
- PIGF and VEGF-B Display Tissue-Specific Functions in Skeletal Muscle and Myocardium, 824
- Premature Atherosclerosis Does Not Occur in Monogenic Isolated Growth Hormone Deficiency Despite the Association With Metabolic Syndrome, 3568
- Pressure-overload Hypertrophy Results in Increased Expression of the "Decoy-receptor" VEGFR-1 Preventing Angiogenesis, Even in Hypoxia, 2370
- Production of C-reactive Protein in Response to Inflammatory Cytokines by Human Adipocytes, 549

- Percutaneous Coronary Interventions (PCI): Relationship Between Indications and Outcomes by American College of Cardiology/American Heart Association (ACC/AHA) Task Force Guidelines, 3531
- Practice Variation and Adherence to 'Guidelines' with the Introduction of Drug-Eluting Stents: Insights from a Large Multicenter PCI Registry, 3623
- Predictors of Drug-Eluting Stent Use in Clinical Practice: A Report from the American College of Cardiology National Cardiovascular Disease Registry (ACC-NCDR), 3186
- Resource Use and Costs Associated with Atrial Fibrillation in the US, 3813 The Real World Utilization and Results of Off-Pump Coronary Artery Bypass Surgery (OPCAB) in a Public Healthcare System, 3272
- What Explains Disparities in Cardiovascular Care in the United States?,

## Healthcare delivery systems

- Combining the Evidence and Explaining the Heterogeneity of the Efficacy of Disease Management Programs in Patients with Heart Failure, 2969 Congenital Heart Disease Training in Adult Cardiology Fellowship
- Sex and Ethnic Differences in the Prevalance of Significant and Severe Coronary Artery Disease in the ACC - National Cardiovascular Data Registry, 3697

#### Heart block

- Cardiac-Specific Overexpression of AT1 Receptor Mutant Lacking Gαq/Gαl Coupling Causes Cardiac Hypertrophy and Bradycardia in Transgenic Mice, 740
- Catheter-Mediated Radiofrequency Atrioventricular Node Ablation in the Mouse, 466
- Long-term Right Ventricular Apex Pacing in Patients with Congenital AV Block Does Not Have a Detrimental Effect on Ventricular Function, 1651
- Ventricular and Atrial Response to Terbutaline Differs Between Left Atrial Isomerism and Immune-mediated Fetal Complete AV Block, 2335
- Ventricular Systolic Mechanics and Synchrony Improve with Biventricular Pacing in Critical Pulmonary Stenosis, 145

### Heart catheterization

- First Experience with Transcoronary Ablation of Septum Hypertrophy with Microspheres in Patients with Hypertrophic Obstructive Cardiomyopathy, 3540
- A Multicenter Cardiac Echo Doppler Study in 589 Patients with Systemic Sclerosis, 3301
- Catheter-Based Decompression of the Left Atrium in Patients With Hypoplastic Left Heart Syndrome and Restrictive Atrial Septum is Safe and Effective, 2330
- Evidence-Based Risk Stratification is Not Optimally Used to Target Proven Therapies in Non-ST-Elevation Acute Coronary Syndromes: The Global Registry of Acute Coronary Events (GRACE), 3058
- Improvement in Migraine Symptoms After Transcutaneous Closure of Patent Foramen Ovale for Recurrent Stroke, 2073
- Interactive Real-Time Magnetic Resonance-Guided Atrial Septal Puncture and Atrial Balloon Septostomy are Feasible in Swine, 3199
- Percutaneous Mitral Annuloplasty in Experimental Heart Failure: Acute and Chronic Efficacy and Safety, 2069
- Percutaneous Pulmonary Valve Implantation Improves Haemodynamics And Early Exercise Capacity, 2066
- Practice Variation and Adherence to 'Guidelines' with the Introduction of Drug-Eluting Stents: Insights from a Large Multicenter PCI Registry,
- Pulmonary Capacitance Predicts Mortality in Pulmonary Hypertension,
- SPIRIT FIRST Clinical Trial: A 180-Day Clinical Evaluation of the Guidant Multi-Link Vision® Everolimus-Eluting Coronary Stent System in the Treatment of Patients with de novo Native Coronary Artery Lesions,
- The HELEX Septal Occluder™ Shows Promising Mid-Term Results, 2328 The Short-term Result of Transcatheter Device Closure of Ventricular Septal Defects, 3627
- Transcatheter Closure of Aortic and Mitral Paravalvar Leaks Using the Amplatzer Muscular VSD Occluder, 3118
- Transcatheter Closure of Interatrial Defects in Patients With Pulmonary Hypertension, 3024
- Transcatheter Closure of Perimembranous Ventricular Septal Defects using the New Amplatzer Membranous VSD Occluder: Result of the U.S. Phase I Trial, 2632
- Utility of Echo-Doppler and BNP in Determining Hemodynamic Profile in Chronic Heart Failure Patients, 3302

# Heart conduction system

- Cardiac Resynchronization Therapy as Bridge to or Alternative for Heart Transplantation in Patients with End-stage Heart Failure, 2272
- Diagnosis of Acute Myocardial Infarction in the presence of Left Bundle Branch Block, 3091
- Disappearance of Pre-Excitation in Glycogen Storage Cardiomyopathy with Arresting of PRKAG2 Transgene Expression, 1108

- Intraventricular Mechanical Dyssynchrony in Health and Disease: A Real-Time 3D Echocardiographic Study, 3124
- Specific Roles for Connexins 43 and 40 in Atrial Propagation, 1527 Unconventional Splice Site Mutation in SCN5A as Cause (and Modifier?) of Overlapping Phenotypes of Brugada Syndrome and Isolated Cardiac Conduction Defect, 1743

# Heart defects, congenital

- First Experience with Transcoronary Ablation of Septum Hypertrophy with Microspheres in Patients with Hypertrophic Obstructive Cardiomyopathy, 3540
- A 25 Year Old Pregnant Fernale with Dyspnea, 2006
  An In Vitro Study of the Accuracy of Computing Laminar Flow Stroke Volumes Using a Newly Developed Live 3D Color Doppler Ultrasound System, 3043
- Catheter-Based Decompression of the Left Atrium in Patients With Hypoplastic Left Heart Syndrome and Restrictive Atrial Septum is Safe and Effective, 2330
- Does surgery for Discrete Membranous Subaortic Stenosis Affect Aortic Regurgitation?, 3414
- Efficient Identification of Mouse Models of Human Congenital Cardiopulmonary Malformations Using High-Throughput Magnetic Resonance Imaging, 441
- Functional Left Pulmonary Artery Stenosis in Total Cavopulmonary Connection (TCPC): Assessing Improvements in Lung Perfusion and Cardiac Workload with Computer-Aided Angioplasty, 3409
- Growth Failure in Patients With Hypoplastic Left Heart Syndrome Undergoing Staged Reconstruction, 2879
- Health Status of 224 Adults with Repaired Tetralogy of Fallot: Matched Comparison with Their Normal Siblings, 3019
- Hif2α, Ap-2β, and Et-1 Cooperatively Regulate Development of the Ductus Arteriosus, 271
- Hypoplastic Left Heart Shows Spatial Clustering in Industrial Regions,
- Improvement in Migraine Symptoms After Transcutaneous Closure of Patent Foramen Ovale for Recurrent Stroke, 2073
- Predictive Value of Fetal Pulmonary Venous Flow Patterns in Identifying the Need for Urgent Atrial Septoplasty in the Newborn With Hypoplastic Left Heart Syndrome, 3191
- Reversible Pulmonary Artery Banding V: Intermittent x Continuous Ventricle Overload of Goats, 2886
- Single-Ventricle Palliation with Right Ventricle to Pulmonary Artery Conduit: Early Outcomes and ICU Course Compared with the Traditional Norwood Operation, 2890
- The Fontan Cross-Sectional Study: Testing for Correlations Among Health-Related Quality of Life, Maximal Exercise Performance, and
- Ventricular Mass-to-Volume Ratio, 2076 The HELEX Septal Occluder™ Shows Promising Mid-Term Results, 2328 The Magnitude and Mechanisms by Which Cardiac Rehabilitation Improves the Exercise Function of Children with Congenital Heart Disease, 1837
- The Relationship of Medical and Patient Characteristics to Health-Related Quality of Life in Adolescents after the Fontan Procedure, 2077
- Transcatheter Closure of Perimembranous Ventricular Septal Defects using the New Amplatzer Membranous VSD Occluder: Result of the U.S. Phase I Trial, 2632
- Truncus Arteriosus Associated with Interrupted Aortic Arch in 50 Neonates: A Congenital Heart Surgeon Society Study, 2482
- Use of Mathematical Modelling to Compare and Predict Hemodynamics of the Norwood and the Sano operations for hypoplastic left heart syndrome, 2476

# Heart disease

- Acute and Reversible Left Ventricular Dysfunction Provoked by Psychological Stress (Tako-tsubo Syndrome) in U.S. Women: A Novel Cardiomyopathy, 2807
- Aging with a Broken Heart: The Effect of Heart Disease on Psychological Distress in the Elderly, 1966
- APOC3 Haplotype Modifies the Association Between Abdominal Obesity and Myocardial Infarction in the Central Valley of Costa Rica, 3803
- Elucidation of an Essential Role for Calpains in Cardiac Health, 940 Fatty Acid Compromises Cardiac Glucose Oxidation through Attenuation of Insulin-Stimulated Akt Phosphorylation and Induction of
- Fuel-Metabolizing Genes via Protein Kinase C (PKC) Activation, 1004 Gender and Utilization of Device Therapies: Insights from a Retrospective National Study, 2245
- Impact on Mortality of Plasma NT-proBNP in Chronic Heart Failure in Patients Treated with β-blockers: Results from COMET, 2789
- Lack of Osteopontin Attenuates Myocardial Hypertrophy in Response to Chronic Pressure Overload, 59
- Paradoxical Role of Zinc in Cardiac Injury: A Potential Link to Environmental Zinc Exposure and Cardiovascular Morbidity, 1917
- Pathogenesis of Arrhythmogenic Right Ventricular Dysplasia: Possible Involvement of Peroxisome Proliferator Activated Receptors, 1253
- Pivotal U.S. Study of the Symbiot™ III Covered Stent System in Patients with Saphenous Vein Graft Disease: 8-month Angiographic and Clinical

- Reversal of heart failure in a conditional model of CryAB R120G desmin-related cardiomyopathy, 1388
- Risk of Coronary Heart Disease Associated with Subclinical Disease Among Older Black and White Men and Women in the Cardiovascular Health Study, 3693
- Soy Protein Supplementation Decreases Serum Lipids: A Meta-Analysis of Randomized Controlled Trials, 3563

### Heart failure

111-988

- B-Blocker Therapy Intolerance in Ischemic Cardiomiopathy is Predictive of Higher Cardiac Mortality Rate after Cardiac Resynchronization Therapy, 2264
- β-3 Adrenergic Signaling is Impaired in the ob/ob Mouse Model of Obesity, 962
- β-Blockade in Women with Heart Failure in the Community Setting: Insights from a Large Prospective β-blocker Registry, 2251
- β-Blockade Prevents Arrhythmias By Improving Calcium Handling, Not APD Prolongation, in a Mouse Model of Heart Failure, 923
- β-Blocker Therapy for Heart Failure: Should the Therapeutic Target be Dose or Heart Rate Reduction?, 2029
- $\beta_3$ -Adrenergic Receptor Activation Contributes to Exercise Intolerance in Heart Failure, 2034
- β<sub>3</sub>-Adrenergic Receptor Blockade Enhances Cardiac Positive Inotropic and Lusitropic Responses to Dobutamine in Heart Failure: Assessment by Pressure-Volume Analysis, 2035
- 8-Opioid Receptor Agonist Reduces the Severity of Postresuscitation Myocardial Dysfunction, 2493
- ACE Inhibitors Improve Survival in Heart Failure Patients with Systolic Dysfunction and Chronic Kidney Disease: A Propensity Score Analysis, 3465
- Preoperative Prediction of Long-Term Survival Following Coronary Artery Bypass Grafting in Patients with Low Left Ventricular Ejection Fraction: The HAVOC Score, 1986
- A 25 Year Old Pregnant Female with Dyspnea, 2006
- A Bradycardic Agent, Cilobradine, improves Left Ventricular Function in Dogs with Coronary Embolization-Induced Heart Failure, 2794
- A Clinical and Biochemical Risk Score for the Diagnosis of Acute CHF: The ProBNP Investigation of Dyspnea in the Emergency Department (PRIDE) Acute CHF Score, 2428
- A Cohort Study of Alcohol Intake and Risk of Heart Failure, 3608
- A Large Comprehensive SNP Genotyping Study of the LMNA Gene Reveals a Risk Haplotype That Associates With Early Onset of Familial Heart Failure, 3732
- A MAP4K4-TRF2 Cycle Amplifies Apoptotic Signals in Mouse Myocardium, 3
- A Multivariate Impedance Cardiography Composite Score Can Predict the Occurrence of Major Heart Failure Events: the PREDICT Study, 2775
- A Novel Chimeric Molecule that Exhibits Simultaneous  $\beta$ -Adrenoreceptor Blockade and Cardiac Inotropy in the Heart, 965
- A Novel Left Ventricular Passive Support Device Alters the Natural History of Chronic Heart Failure in Awake Dogs, 3370
- A Novel Role for Cytokines in Fluid Regulation in Heart Failure Mice, 1410 A Simplified Approach to Determine Responders of Cardiac Resynchronization Therapy with Tissue Doppler Imaging, 2024
- A Splicing Mutation in the GlcNAc-1-Phosphotransferase Gene Results in an Adult-Onset Form of Mucolipidosis III Associated with Cardiomyopathy, 1257
- A Tissue Engineered Myocardial Patch Derived from Extracellular Matrix Performs Regional Mechanical Work, 1884
- Ablation of iNOS Delays Cardiac Contractile Dysfunction and Attenuates Hypertrophy Gene Expression Induced by Chronic Pressure Overload, 1085
- Abnormal Cardiac and Skeletal Muscle Function and Energetics Correlate with Insulin Resistance in Heart Failure, 1608
- ACE Inhibitors and Angiotensin Receptor Blockers in Patients with Renal Insufficiency and Congestive Heart Failure: An Interesting Paradox, 3464
- Activated E-Protein Kinase C Accelerates the Transition from Compensatory Left Ventricular Hypertrophy to Heart Failure in Hypertensive Rats, 2778
- Activation of Hypothalamic-Pituitary-Adrenal Axis Contributes to Augmented Neurohumoral Activity in Heart Failure Rats, 1404
- Additive Effects of β<sub>1</sub> Adrenergic Antagonism and β<sub>2</sub> Stimulation on Myocardial Apoptotic Inhibition and DNA Repair in a Model of Congestive Heart Failure, 14
- Adherence, Even to Placebo, is Strongly and Independently Related to Outcome in Patients With Chronic Heart Failure: Results From the CHARM Program, 2595
- Adverse Effects of Chronic Pressure Overload in Mice with Type 5 Adenylyl Cyclase Overexpression and its Reversal by  $\beta$ -Adrenergic Blockade, 304
- Adverse Remodeling and Impaired Calcineurin/NFAT Signaling after Myocardial Infarction in Heterozygous MLP Mutant Mice, 1095
- Aging with a Broken Heart: The Effect of Heart Disease on Psychological Distress in the Elderly, 1966

- Allopurinol Ameliorates Cardiovascular Dysfunction in Dogs with Pacing-Induced Heart Failure, 2793
- Alterations of Protein Turnover During the Transition from Stable Hypertrophy to Heart Failure in the Dog, 793
- Altered Gene Expression of Tissue Inhibitors of Metalloproteinases in Clinical Recovery of Heart Failure with Combined Left Ventricular Assist Device and Clenbuterol Therapy, 2938

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- Alternatively Spliced Forms of Human BNP: Discovery, Localization, and Function, 452
- Amelioration of Heart Failure-Associated Pathologic Changes in Mitogen-Activated Protein Kinases, Matrix Metalloproteinase, and Inducible Nitric Oxide Synthase with Gene Transfer of Sarcoplasmic Reticulum  $\text{Ca}^{2+}$ -ATPase (SERCA) and  $\beta$  Adrenergic Receptor Kinase Inhibitor (BARKct), 49
- An Association Between COL24A1 and Ejection Fraction in a Human Heart Failure Population: Evidence Supporting COL24A1 as a Modifier Gene in Human Heart Failure, 3331
- An N-ethyl-N-Nitrosourea Mutagenesis Screen to Identify Novel Genes Causing Heart Failure, 211
- Anemia Associated with Longer Hospitalization for Black Patients Admitted for Heart Failure with Preserved Systolic Function, 2431
- Angiotensin II-accelerated Cardiac Fibrosis is Attenuated by PPARγ, 1125 Antiapoptotic Effects of Growth Hormone are Associated with Improvement of Left Ventricular Geometry in Patients with Heart Failure
- Secondary to Idiopathic Dilated Cardiomyopathy, 2786

  Anxiety and Low Perception of Social Support Are Independent Predictors
- of Readmission in Patients Hospitalized with Heart Failure, 2250

  Are Statins of Clinical Benefit in Patients with Established Systolic Chronic

  Heart Failure? A Retrospective Analysis of 5010 Patients Enrolled in
- Arginase I Modulates Cardiac Contractility via an Autocrine Mechanism ,
- Assessment of Left Ventricular Dyssynchrony with Tissue Doppler Imaging Predicts Prognosis following Cardiac Resynchronization Therapy, 2023 Assessment of Systolic Asynchrony by Tissue Synchronization Imaging is a Useful Tool to Predict Responders of Cardiac Resynchronization
- Therapy, 2025
  Assessment of the Effect of Cardiac Resynchronization Therapy on Intra-Ventricular Mechanical Asynchrony by Regional Volumetric
- Changes: A New Method Using 3-Dimensional Echocardiography, 3123
  Asymptomatic Diastolic Left Ventricular Dysfunction: Preliminary Results Of
  The DAVES Study (Disfunzione Asintomatica Del Ventricolo Sinistro) By
  The Italian Society Of Cardiovascular Echography (SIEC), 2232
- Atorvastatin Improves Cardiac Function in Patients With Chronic Heart Failure A Prospective Randomized Placebo-Controlled Study -, 2787
- Atrial Fibrillation in Heart Failure: Results from HFSIS 2003, a Natiowide Survey in Hospitalized Heart Failure Patients in Israel, 3134 Autoantibodies by Immunoeadsorption from Patients with DCM Induce
- Autoantibodies by Immunoadsorption from Patients with DCM Induce Cytotoxic, Apoptotic, and Chronotropic Effects on Cultured Cardiomyocytes, 631
- B-Type Natriuretic Peptide Levels in Patients with Multiple Comorbidities do Not Correlate with Clinical and Hemodynamic Assessment of Volume Overload, 1761
- B-Type Natriuretic Peptide Levels, Obesity, and Survival in Advanced Heart Failure, 2582
- B<sub>1</sub> Kinin Receptor Does Not Mediate Vasodilatation or Endothelial t-PA Release in Patients with Heart Failure Treated with Angiotensinconverting Enzyme Inhibition, 2410
- Backup Defibrillation Prolongs Survival in Patients with Indications for Cardiac Resynchronization Therapy by Reducing Sudden Cardiac Death Rate, 2266
- Baseline 6 Minute Walk Distance in the Sudden Cardiac Death Heart Failure Trial, 3131
- Baseline ANP and BNP do Not Predict Subsequent Symptomatic Benefit from Cardiac Resynchronization Therapy in the Multicenter InSync Randomized Clinical Evaluation (MIRACLE) Trial, 2018
- Beneficial Effect of Human Unrestricted Somatic Stem Cell Transplantation on Infarcted Heart Function: Preclinical Study in Porcine Model, 1558 Beneficial effect of Thalidomide in Heart Failure, 3349
- Blockade of Matrix Metalloproteinase (MMP)-2 Exacerbates Myocardial Inflammation and Dysfunction in Tumor Necrosis Factor (TNF)-α-induced Cardiomyopathy, 2949
- Blockade of NF-κB Activation Inhibits Hypertrophy and Improves Survival in Male Mice with Heart Failure Induced by Cardiac-Specific TNF-α

  Expression 55
- BNP as a Marker of Diastolic Dysfunction in the General Population: Importance of Left Ventricular Hypertrophy, 3743
- Bone Marrow Cell Transplantation to the Myocardium is Safe and Potentially Effective in Patients with Advanced Heart Failure due to Chagas' Cardiomyopathy, 1147
- Both Gain and Loss of Function of the β-adrenergic Receptor Kinase Have Profound Influence on Failing Myocyte Contractile Function, 41
- Cancion® Cardiac Recovery System (CRS): Effects on Renal, Echocardiographic, and Health Status Parameters During and Following Treatment with a Novel, Minimally Invasive Approach to Cardio-Renal

- Support in Severe Acute Heart Failure, 2814
- Cardiac Adenoviral S100A1 Gene Delivery Rescues Contractile Function of Falling Myocardium, 4
- Cardiac Expression of Peroxisome Proliferator-Activated Receptor y In Patients with Idiopathic Dilated Cardiomyopathy Is Associated with Overt Heart Failure, 2783
- Cardiac Gene Transfer of Protein Phosphatase 1 Inhibitor-2 Restores Left Ventricular Function in Progressive Hamster Cardiomyopathy , 772
- Cardiac Output Response to Exercise and Mortality in the  $\beta$ -Blocker Era of Heart Failure Therapy, 2811
- Cardiac Primitive Cell Activation and Myocyte Regeneration Have a Key Role in the Ventricular Remodeling of the Damaged Myocardium, 794 Cardiac Replacement with a Total Artificial Heart as Bridge to
- Transplantation: Multi-Center IDE Trial Experience, 3287
  Cardiac Resynchronisation Therapy Improves Overall Cardiac Pum
- Cardiac Resynchronisation Therapy Improves Overall Cardiac Pump Function During Peak Exercise But Not At Rest, 2503
- Cardiac Resynchronization Therapy Acutely Improves Indicators Of Cardiac Function During Peak Exercise: A Randomized Controlled Trial, 3359
- Cardiac Resynchronization Therapy as Bridge to or Alternative for Heart Transplantation in Patients with End-stage Heart Failure, 2272
- Cardiac Resynchronization Therapy Benefits Patients With or Without ICD Indication Results from the Prospective European Multicenter PACMAN Trial, 3358
- Cardiac Resynchronization Therapy for Moderate-to-Severe Pediatric Heart Failure: A Pilot Study, 2265
- Cardiac Resynchronization Therapy Reduces Severity of Central Sleep Apnea due to Heart Failure, 2271
- Cardiac RhoA Overexpression Results in Marked Hypertrophy and Progression to Failure in vivo, 1082
- Cardiac Specific Expression of a Dominant Negative Mutation in the Natriuretic Peptide A Receptor Exacerbates Fibrotic and Hypertrophic Remodeling and Diastolic Dysfunction in Response to Pressure Overload, 964
- Cardiac Stem Cell Activation and Myocardial Regeneration Reverse Heart Failure and Prolong the Lifespan of Senescent Fischer 344 Rats, 816
- Cardiac Transplantation Does Not Improve Central Arterial Stiffness in Patients with Severe Heart Failure, 3262
- Cardiac-Restricted Overexpression of the α<sub>1A</sub>-Adrenergic Receptor Preserves Contractile Function and Limits Ventricular Remodeling After Myocardial Infarction, 1436
- Cardiomyocyte Stiffening in Diastolic Heart Failure, 2956
- Cardiomyocyte-restricted Inactivation of Peroxisome Proliferator-activated Receptor δ Deletion Causes Lipotoxic Cardiomyopathy, 1551
- Cardiopulmonary Exercise Testing Cannot Distinguish Between Patients with Diastolic and Systolic Heart Failure, 2494
- Cardiorespiratory Fitness Levels in Obesity Approximate Those of Heart Failure Patients: Implications for Exercise Prescription, 3795
- Cardiovascular Hospitalizations and Subsequent Mortality in Chronic Heart Failure: Results from COMET, 2028
- Cardiovascular Magnetic Resonance Assessment of Human Myocarditis: IR Gradient Echo Compared With T1 Turbo Spin-Echo Imaging Protocols, 3140
- Carvedilol Better Preserves Renal Function in Heart Failure Than Metoprolol: A Potential Link to its Beneficial Effect on Prognosis in COMET? 2030
- Cell Cycle Re-entry of Cardiomyocytes in End-stage Heart Failure Patients Correlates with the Presence of Cardiac Progenitor Cells, 2090
- Cell-Mediated EPAS1 Gene Transfer is Superior to Cell Therapy Alone for Improving Arteriogenesis and Cardiac Function in Infarcted Heart, 1342
- Chamber-Specific Augmentation of Endothelin-1 by Pulmonary Hypertension Induces Overexpression of NGF and Right Ventricular Hyperinnervation in vivo, 221
- Changes in Heart Rate Variability prior to Spontaneous Ventricular Tachyarrhythmias in Patients with Cardiac Resynchronization and Implantable Cardioverter/Defibrillator (ICD) Therapy, 3356
- Characteristics and Outcomes of Heart Failure Patients in Clinical Practice: How Do They Relate to Age?, 2252
- Characterization of Left Ventricular Chamber Compliance in Patients with Congestive Heart Failure and Preserved Systolic Function, 3372
- Chronic β-Blockade Therapy Normalizes mRNA Gene Expression for Hypoxia-Inducible Factor-1α in Left Ventricular Myocardium of Dogs with Heart Failure. 2257
- Chronic Kidney Disease is the Strongest Predictor of Developing Anemia in Heart Failure: The Kaiser Permanente CHF Cohort Study, 3344
- Chronic Xanthine Oxidase Inhibition Attenuates the Development of  $\beta$ -adrenergic Hyporesponsiveness and Altered Calcium Cycling Proteins in Chronic Pacing-Induced Heart Failure, 2952
- Circadian Variations of Hypercapnic Chemosensitivity in Conscious Infarcted Rats are Characterized by a Transient Augmentation of the Chemoreflex Gain During Early Awakening Periods, 225
- Circulating Endothelial Progenitor cells are Increased in Patients with Left Ventricular Dysfunction and Elevated Levels of Brain Natriuretic Peptide, 1899

- Clinical and Echocardiographic Risk Factors for Congestive Heart Failure in Controlled Hypertensive Patients with Electrocardiographic Left Ventricular Hypertrophy (the LIFE Study), 3160
- Clinical Characteristics and Outcomes of Hispanic Americans Admitted With Acute Decompensated Heart Failure: An Analysis from a Large Prospective Registry Database, 2432
- Clinical Outcomes of Non-Cachetic Patients with Chronic Heart Failure and Metabolic Dyslipidemia, 2247
- Clinical Outcomes of Surgical Ventricular Restoration: Data from the Society of Thoracic Surgeons' National Cardiac Database, 2933
- Society of Thoracic Surgeons' National Cardiac Database, 2933

  Collagen Degradation is Essential for Effective Fibrotic Repair Following

  Myocardial Infarction, 118
- Combining the Evidence and Explaining the Heterogeneity of the Efficacy of Disease Management Programs in Patients with Heart Failure, 2969
- Comprehensive Screening of Human Desmin (DES) Gene in Dilated Cardiomyopathy, 2576
- Concordance of Left Ventricular Pacing Site to Region of Maximal Delay in Myocardial Velocities by Tissue Synchronization Imaging Predicts Left Ventricular Reverse Remodeling after Cardiac Resynchronization Therapy. 3353
- Concurrent Treatment With Eplerenone and Standard HF Therapy Reduces the Duration of Heart Failure Hospitalization in Patients with Post Acute Myocardial Infarction Heart Failure, 2433
- Conivaptan, a Novel V<sub>1A</sub> and V<sub>2</sub> Antagonist, Increases Serum Sodium and Effective Water Clearance in Patients with Hyponatremia, 3345
- Coronary Venous Anatomy by Computed Tomography in Cardiac Resynchronization Therapy, 1783
- Cost-Effectiveness of Epierenone by Age and Sex Subgroups in Patients with Heart Failure after Acute Myocardial Infarction: Results from EPHESUS, 1753
- Deficiency for the G Protein-Coupled Receptor Mas Leads to Cardiomyopathy, Illustrating the Importance of its Endogenous Ligand Angiotensin-(1–7) for Cardiac Function, 1090
- Depressive Symptoms And Quality Of Life Predict Short-Term Mortality In Patients With Chronic Heart Failure, 2248
- Detection Of HLA-G-Secreting Cells In Patients After Heart Transplantation, 3330
- Diabetic Patients with Heart Failure Have Great Derangement of Cardiac Autonomic Function as Assessed by Heart Rate Variability Parameters, 2150
- Diagnosis and Presentation of Fatal Myocarditis, 2421
- Differences in Development of Cardiac Contractile Dysfunction in Mice Models of Type II Diabetes and the Metabolic Syndrome, 493
- biferential Expression of Myocardial Nitric Oxide Synthase Isoforms in Human Heart Failure, 490
- Differentiated Transmural Heterogeneity of Na\*-Ca²\* Exchange in Normal and Failing Hearts, 780
- Disease Management Modestly Increases Utilization of Evidence-Based Therapy and Reduces Mortality in Elderly Patients with Left Ventricular Dysfunction, 2971
- DNA Damage And DNA Base Exsition Repair In Human Myocardium With Congestive Heart Failure, 2095
- Do Angiotensin Receptor Blockers Reduce Mortality In Patients With Heart Failure? A Systematic Review Of Randomized Clinical Trials, 2594
- Do Elderly Systolic Heart Failure Patients Benefit From β-Blockers To The Same Extent As The Non-Elderly? Meta-Analysis Of >12,000 Patients In Large-Scale Clinical Trials, 2592
- Does the Use of Beta-Blocker or Choice of Beta-Blocker Impact the Defibrillation Threshold?, 2907
- Doxorubicin-induced Degradation of Transcription Factor GATA4 Is Mediated by the Ubiquitin-Proteasome System, 637
- Duration of HMG-CoA Reductase Inhibitor Therapy is an Independent Prognostic Indicator in Patients with Heart Failure, 3342
- Early Enalapril Therapy Reduced Cardiovascular Morbidity and Mortality in Patients with Left Ventricular Systolic Dysfunction: Results at 15 Years in SOLVD, 1752
- Echo Insights Into Peripartum Cardiomyopathy In Haiti , 3295
  Echocardiographic Assessment of Left Ventricular Recovery during
  Mechanical Unloading to Predict Long-term Stability of Cardiac
  Function after Weaning from Assist Devices, 1999
- Echocardiographic Assessments of Murine Heart Failure Model Induced by High-Intensity Focused Ultrasound Ablation, 3299
- Effect of Ac-SDKP on Cardiac Rupture and Early Remodeling after Myocardial Infarction in Mice, 124
- Effect of Biventricular Unloading on Pathways of Myocardial Recovery in Failing Left and Right Ventricles, 3293
- Effect of Cardiac Resynchronization Therapy on Sleep-Disordered Breathing in Patients with Systolic Heart Failure, 1898
- Effect of Cariporide on Left Ventricular Performance and Cardiac Efficiency in Heart Failure: Assessment by Pressure-Volume Analysis, 3149
- Effect of Chronic Kidney Disease on Long-Term Survival of Patients with Congestive Heart Failure and Coronary Artery Disease, 3466 Effect of Dor Procedure in the Left Ventricle with Dyskinetic Anterior Wall on Ventricular Volume, Chamber Stiffness, and Function, 489

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Identified in a Patient with Idiopathic Dilated Cardiomyopathy, 2954

Functional Improvement after Transcoronary Transplantation of Circulating

the Age of the Previous Myocardial Infarction, 240 Galectin-3 Identifies Failure-Prone Hypertrophied Hearts and Contributes

GATA4 Expression Level is an Essential Regulator of Cardiac Performance

at Baseline and in Pathological Hypertrophy, 1260

to Cardiac Dysfunction, 496

Progenitor Cells in Patients with Ischemic Cardiomyopathy Depends On

Failure, 3415

Impact of Race on the Quality of Outpatient Care for Heart Failure, 3691

Impaired Hormonal Regulation of Appetite after Cardiac Transplantation,

Impairment of Bone Marrow-derived Mesenchymal and Hematopoietic

Stem Cells in Patients with Coronary Artery Disease: A Limitation for

Impact of Statin Therapy on Mortality in CHF Patients According to

β-Blocker Use: Results of CIBIS II, 2031

- Cell Therapy?, 236
- Implantable Defibrillators for the Prevention of Mortality in Patients with Nonischemic Cardiomyopathy: A Meta-Analysis of Randomized Controlled Trials, 2905
- Importance of Early Initiation of Anti-Tumor Necrosis Factor- $\alpha$  with huTNFR:Fc for Slowing the Progression of Heart Failure in Rats , 2780 Importance of Knowledge and Beliefs in Improving Self-Care Behavior of Heart Failure Patients, 3416
- Improvement in Left Ventricular Ejection Fraction After β-Blockers is an Independent Predictor of Survival in Patients with Stable Congestive Heart Failure, 2593
- Improvement in Sleep-Related Breathing Disorders is Correlated with Heart Rate Variability in Heart Failure Patients with Cheyne-Stokes Respiration and Cardiac Resynchronization Therapy, 1895
- Improvement of Left Ventricular Remodeling by the eNOS Transcription Enhancer S2431 in Rats with Heart Failure after Myocardial Infarction,
- Improvement of Stress LVEF rather than Rest LVEF in Patients with Ischemic Cardiomyopathy and Viable Myocardium, 1996
- In Vivo Calmodulin Kinase II Inhibition Protects against Isoproterenol-Induced Cardiomyopathy, 301
- In vivo Gαq Overexpression is Associated with Increased Oxidative Stress and Impaired Myocyte Function, 229
- Incidence and Risk Distribution of Heart Failure in Grown ups with Congenital Heart Disease in the Long-Term Follow-up After Cardiac
- Incidence of Left Ventricular Dyssynchrony in Patients with Systolic Heart Failure and a Narrow QRS Complex, 2019
- Increased Activity Of Cardiac 12-Lipoxygenase Promotes Cardiac Dysfunction In Heart Failure Models, 638
- Increased Muscle Sympathetic Nerve Activity Predicts Mortality in Heart Failure Patients, 393
- Increased Susceptibility to Heart Failure in Mice Lacking Natriuretic Peptide Receptor-A Gene, 90
- Independent and Incremental Prognostic Value of Early Mitral Annulus Velocity in Patients with Impaired Left Ventricular Systolic Function,
- Induction of Hypoxia-Inducible Factor Improves Cardiac Function and Reduces Hypertrophy after Aortocaval Shunt in Rats , 800
- Inhibition of Cardiomyocyte Apoptosis Prevents Cardiac Remodeling and Transition to Heart Failure, 966
- Inhibition of Mammalian Target of Rapamycin Signaling Regresses Established Cardiac Hypertrophy Induced By Pressure Overload, 604
- Injection of NGF into Stellate Ganglia Prevents an Impaired Norepinephrine Re-uptake in Experimental Heart Failure, 395
- Inspiratory Muscle Training using a Test of Incremental Respiratory Endurance Alleviates Dyspnea and Improves Functional Status in Patients with Chronic Heart Failure, 2598
- Intracoronary Hyperbaric Oxygen Administered During Primary Percutaneous Coronary Intervention Prevents One Month Left Ventricular Remodeling, 3229
- Intrathecal Clonidine Reduces the Risk of Ischemic Ventricular Arrhythmias in a Postinfarction Heart Failure Canine Model, 1401
- Intravenous Nesiritide Improves Hemodynamics in a Randomized, Double-blind, Placebo-controlled Trial in Patients with Pulmonary Hypertension and Right Ventricular Failure: Right Atrial Dimension by Cardiac MRI is a Reliable, Novel Treatment End Point in Pulmonary Hypertension, 2414
- Intraventricular Mechanical Dyssynchrony in Health and Disease: / Real-Time 3D Echocardiographic Study, 3124
- Intraventricular Mechanical Dyssynchrony is Associated with Symptomatic Improvement in Cardiac Resynchronisation Therapy: The Emerging Role of Real-Time 3D Echocardiography, 3355
- Introduction of  $\beta$ -blocker Causes an Initial Increase in Plasma Brain Natriuretic Peptide and N-Terminal Brain Natriuretic Peptide Levels in Patients with Stable Systolic Heart Failure, 2788
- Iron Status is Attenuated in Patients with Chronic Heart Failure and Associated with Impaired Exercise Capacity and Survival, Independent of Hemoglobin Levels, 3475
- Is Nesiritide Associated with Renal Injury in Patients with Acutely Decompensated Heart Failure?, 2413
- KATP Channel Genetic Deficiency Disrupts a Vital Proximal Calcium Checkpoint Predisposing to Calcineurin-Dependent Cardiac Hypertrophy and Congestive Heart Failure, 10
- Left Atrial Diameter is a Simple Indicator of Deficiency in Atrial Natriuretic Peptide Secretion in Patients with Mitral Stenosis: Efficacy of Supplementation with Synthetic Human α-atrial Natriuretic Peptide in Management during Immediate Postoperative Period, 2776
- Left Bundle Branch Block in Congestive Heart Failure: Impact on Diastolic Function, Filling Pressures, and B-Type Natriuretic Peptide Levels, 2237 Left Ventricular Assist Device Implantation Following Acute Anterior Wall
- Myocardial Infarction and Cardiogenic Shock: A Two-Center Study, Left Ventricular Regional Electromechanical Patterns during Left-, Right-, and Biventricular Pacing in A Dog Model of Congestive Heart Failure

- Derived by Tissue Doppler Imaging, 2942
- Left Ventricular Stimulation Alone Significantly Increased Ejection Fraction at 1-Year Follow Up: Final Results from the BELIEVE Multicenter Randomized Study, 2017
- Lethal Dilated Cardiomyopathy Caused By A Missense Mutation In Phospholamban Is Rescued By Ablation Of The Wild-Type Gene, 2781
- Leukocyte Suppression Leads to Improved Clinical Outcomes in Children Status-Postorthotopic Heart Transplantation, 2767
- Levosimendan Improves Postresuscitation Myocardial Function in a Porcine Model of Cardiac Arrest and Resuscitation, 1856
- Levosimendan Reduces Circulating Pro-Inflammatory Cytokines and Soluble Apoptosis Mediators in Patients with Decompensated Advanced Heart Failure: Comparison with Dobutamine and Placebo, 2254
- Long Term Survival in Patients Treated With Cardiac Resynchronization Therapy: the InSync Italian Registry, 2016
- Long-term Aldosterone Synthase Inhibition Improves Cardiac Function and Myocardial Structure in Chronic Heart Failure, 2407
- Long-term Effectiveness and Cost-Effectiveness of Disease Management Programs in Congestive Heart Failure: A Decision-Analytic View, 2968
- Long-Term Outcome of Cardiac Resynchronization Therapy, 2263 Long-Term Prognosis in Patients with End-Stage Phase of Hypertrophic Cardiomyopathy, 1747
- Long-Term Results in Patients with Idiopathic Dilated Cardiomyopathy after Weaning from Left Ventricular Assist Devices, 2936
- Long-Term Risk of Death, Stroke, or TIA and Heart Failure in Patients with Lone Paroxysmal or Persistent Atrial Fibrillation., 3098
- Long-Term Therapy with Ranolazine Prevents Progressive Left Ventricular Dysfunction and Remodeling in Dogs with Chronic Heart Failure, 3147
- Loss of c-kit Receptor Function in Cardiac Stem Cells Leads to Premature Myocardial Aging and Impaired Myocyte Regeneration in the W/WV Mouse, 315
- Loss of Rapid Early Repolarization in Failing Myocytes Causes Dyssynchronous SR Ca Release and Contributes to Slow Rising Ca Transients, 933
- Loss of sFRP-1 Expression Leads to the Development of Adult-Onset
- Dilated Cardiomyopathy, 636 Low Incidence of Myocardial Recovery in LVAD Patients due to Increased Collagen Cross-Linking and Myocardial Stiffness, 1124
- Lower Hematocrit is Associated with Risk of Progression from ALVD to Symptomatic Heart Failure, 3474
- Lower Hemoglobin is Associated With Reduced Survival in Unselected Outpatients with Heart Failure: Results from the Study of Anemia in a Heart Failure Population (STAMINA-HFP) Registry, 3473
- Lower Hemoglobin Level Increases Risk of Death and Hospitalization Independent of Kidney Function in Heart Failure: The Kaiser Permanente CHF Cohort Study, 2581
- LVAD Implantation Improves Myocardial Neurovascular Density With Reduced Incidence of Ventricular Fibrillation in Patients with Heart Failure, 3132
- LVAD Therapy Augments ACE-2 Gene Transcription and Protein Level in Human End-Stage Heart Failure, 2098
- Malignant Transformation of Heart Muscle in the Absence of the von Hippel-Lindau Protein, 213
- Matrix Metalloproteinase-9 is a Marker of Late Onset Heart Failure following Reperfused Acute Myocardial Infarction, 2089 Mechanisms of Hypertrophy Inhibition by Targeted Downregulation of
- NF-kB Activity in Mice, 1088
- Mechanisms of Left Ventricular Dysfunction and Altered Mechanoenergetics in a Model of Diastolic Heart Failure, 1128
- Membrane Protein CD9 Regulates Hypertrophy and Heart Failure via EGFR Signaling In Vitro and In Vivo, 27 Metabolic Modulation With Perhexiline Improves Myocardial Function in
- Ischemic Heart Failure, 3146
- Methamphetamine-Associated Cardiomyopathy: A Previously Unrecognized Cause of Heart Failure, 1746
- Mineralocorticoid Receptor Antagonism Inhibits the Development of Cardiac Hypertrophy and Prevents the Transition from Hypertrophy to Failure in Low-Renin and Low-Aldosterone Hypertension, 102 Mineralocorticoid Receptor Mediates Heart Failure in the
- $11\beta$ -hydroxysteroid Dehydrogenase Type 2 Transgenic Mouse Model,
- Mitochondrial K-ATP Channel Activation by Levosimendan Protects Cardiac Myocytes from Oxidant Stress-Induced Apoptosis and Contractile Dysfunction, 2255
- Mitochondrial Nitric Oxide Activates The TIM/TOM Protein Import Channels in Cardiac Mitochondria, 1901
- Mitral Annular Diameter, An Independent Predictor for Successful Mitral Valve Repair in Patients with Ischemic MR: An Echocardiographic Study, 2192
- Mitral Regurgitation Predicts Hospitalization for Heart Failure or Death in Patients with Left Ventricular Dysfunction. The Omapatrilat Versus Enalapril Randomized Trial of Utility in Reducing Events (OVERTURE) Echo Study, 2774
- Mitral Valve Repair for Functional Mitral Regurgitation in End-Stage Dilated Cardiomyopathy: the Role of the "Edge-to-Edge" Technique, 1992

Modifiable Risk Factors for Stroke in High-Risk Patients following Acute Myocardial Infarction: Insights from the VALIANT Study, 2985

Molecular and Cellular Events at the Site of Myocardial Infarction: from the Perspective of Rebuilding Myocardial Tissue, 1272 Mortality Reduction by Implantable Cardioverter-Defibrillators in Patients

with Ischemic Heart Disease, Congestive Heart Failure, and Ventricular Arrhythmias, 2360

Multiple-dose Implantation is a Better Cell Delivery Method than Single-bolus Implantation in Skeletal Myoblast Transplantation to Infarcted Hearts, 123

Myocardial Infarct Repair with a Tissue-Engineered Extracellular Matrix Scaffold, 1882

Myocardial NADPH Oxidase Is A Major Source Of Reactive Oxgen Species In Heart Failure, 896

Myocardial Regeneration by Activation of Multipotent Cardiac Stem Cells in Ischemic Heart Failure in Humans, 819

Myocardial Rescue of Congenital Cardiomyopathy in Mice with Whole Bone Marrow Injection and No Donor-derived Engraftment, 1204 N-Terminal Pro-B Type Natriuretic Peptide - An Accurate Plasma

Biomarker In Detecting Diastolic Dysfunction, 2963

N-Terminal Pro-Brain Natriuretic Peptide Correlates with Left Atrial Volume Index and Functional Parameters in Patients with Symptomatic Diastolic Dysfunction, 2231

Na-H Exchange Inhibition Prevents Mitochondrial Remodeling in Post Infarction Heart Failure, 487

NAD(P)H Oxidase and MRP Genetic Polymorphisms are Associated with

Doxorubicin-induced Cardiotoxicity, 3730

NADPH Oxidase-Derived Superoxide Anion Mediates the Angiotensin II-Enhanced Peripheral Chemoreceptor Sensitivity in Heart Failure Rabbits, 1268

Nasal Continuous Positive Airway Pressure improves Echocardiographic indices of Heart Failure in Patients with Obstructive Sleep Apnea and Heart Failure, 2596

Nesiritide Acutely Increases Pulmonary and Systemic Levels of Nitric

Oxide and cGMP in Pulmonary Hypertension Patients, 2587 Neuronal Nitric Oxide Synthase-Deficient Mice Have Increased Mortality and Depressed Cardiac Performance Following Myocardial Infarction, 1603

New Objective Tissue Doppler-Derived Measures of Myocardial Wall Asynchrony and Function: Relative Contribution to Global Left Ventricular Function, 3350

Nocturnal Oxygen Therapy Decreases Brain Natriuretic Peptide in Chronic Heart Failure Patients with Central Sleep Apnea, 1750

Noninvasive Detection of Apoptosis During Worsening of Human Dilated Cardiomyopathy Using <sup>99m</sup>Technetium-Labeled Annexin A5, 2053 Noninvasive Parameters of Diastolic Function Reflect Invasively Measured

Filling Pressures During Exercise, 2235

Noninvasive Pressure Preset Ventilation for the Treatment of Heart Failure with Central Sleep Apnea Not Responding to Continuous Positive Airway Pressure, 1749

Noninvasive Serial Quantification of Minimal Aortic Arch Cross-Sectional Area by High-Resolution 3D-MRI After Transverse Aortic Banding in Mice: Band Internalization is a Major Source for Variability of the Hypertrophic Response, 959

Normalization of β-Adrenergic Receptor Signaling by Targeted Inhibition of Phosphoinositide-3 Kinase Rescues Cardiac Function and Survival in Murine Heart Failure, 1390

Novel Mechanism of Matrix Metalloproteinase Inhibitor in the Treatment of Heart Failure: Direct Inhibition of Myocardial Oxidant Stress and NF-kB Activation in Rats, 2412

Novel Mutations in Phospholamban Gene Cause Hypertrophic Cardiomyopathy and Dilated Cardiomyopathy in Japan, 2577 Novel Role for Brain Natriuretic Peptide to Antagonize Myocardial

Sarcoplasmic Reticulum Calcium-Atpase Expression, 797 Novel Vasopressin V<sub>1A</sub> and V<sub>2</sub> Antagonist (Conivaptan) Increases Serum Sodium Concentration and Effective Water Clearance in Patients with

Hyponatremia, 3346 NPR-C, the Natriuretic Peptide "Clearance Receptor," Mediates Cardiac

Myocyte Na<sup>+</sup>-K<sup>+</sup> Pump Activation, 932 NT-proBNP Combined with Troponin T for the Prediction of Short-Term Mortality in Decompensated Acute CHF: A ProBNP Investigation of

Dyspnea in the Emergency Department (PRIDE) Substudy, 2430 NT-proBNP is Superior to BNP in the Detection of Left Ventricular Systolic

Dysfunction in the Community, 1755 NT-proBNP Testing is Cost-Effective in the Diagnostic Assessment and Management of Dyspneic Patients in the Emergency Department: A ProBNP Investigation of Dyspnea in the Emergency Department (PRIDE) Substudy, 1762

Occurrence of Diabetes in Idiopathic Left Ventricular Dysfunction: Prevalence and Relationship with Myocardial Perfusion and Function,

Omapatrilat Improves Left Ventricular Arterial Coupling and Mechanical Efficiency and Restores Normal Exercise Response in Heart Failure,

Oral Administration of a Mineralocorticoid Receptor Antagonist Reduces Brain, Heart, and Blood-borne Proinflammatory Cytokines in Heart Failure, 1413

Oral Sildenafil Improves Functional Status and Cardiopulmonary Hemodynamics in Patients with Severe Pulmonary Hypertension Secondary to Chronic Pulmonary Schistosomiasis: A Cardiac Magnetic Resonance Study, 2659

Oscillatory Breathing During Exercise Predicts The Presence Of Central Sleep Apnea In Patients With Heart Failure, 2765

Osteoprotegerin-Receptor Activator of Nuclear factor-kB Ligand System Mediates Endothelial Injury in Setting of Heart Failure, 2784 Outcome Predictors in Pediatric Hypertrophic Cardiomyopathy, 2080

Overdiagnosis of Congestive Heart Failure in Medicare Patients, 3810

Overexpression of Mitochondrial Transcription Factor A Prevents Mitochondrial Deficiencies and Cardiac Failure after Myocardial Infarction, 634

Overlapping Regions of Central Nervous System Damage and Impaired Neural Responses to Valsalva Maneuver in Heart Failure, 3422

P53 Plays An Important Role During Heart Failure In Transgenic Mice Overexpressing Myotrophin, 52

Pathological Levels of Cdk9 Activity in Cardiac Muscle Repress PGC-1 and Confer a Predisposition to Heart Failure, 1259

Patterns of Illness Associated with Death from Heart Failure, 3419 Percutaneous Mitral Annuloplasty in Experimental Heart Failure: Acute and Chronic Efficacy and Safety, 2069

Periostin Ablation Attenuates Pathological Remodeling of Pressure-overloaded Heart and Reduces Scar Formation in Infarcted Myocardium, 32

Periostin as a Novel Factor Responsible for Ventricular Dilation, 492 Peripartum Cardiomyopathy: Inflammatory Markers as Predictors of Outcome in 100 Prospective Studied Patients, 3476

Peripheral Chemoreceptor Contribution to Muscle Sympathetic Nerve Activity in Pulmonary Arterial Hypertension, 222

Persistent Activation of Calcium-Dependent Signaling Causes Hyperphosphorylation of Phospholamban and Adrenergic Hyporesponsiveness in Pressure-Overload Hypertrophy, 1267

Phosphodiesterase 4D Associates with the Cardiac Calcium Release Channel (Ryanodine Receptor) and Protects from Hypertrophy and Heart failure, 1091

Phosphodiesterase V Inhibition Has Favorable Effects on LV Remodeling and Potentiates the Renal Actions of Subcutaneously Administered BNP without Adverse Hemodynamic Effects in Experimental Overt Congestive Heart Failure, 97

Phospholamban Mutations in Human Dilated Cardiomyopathy, 1734 Physiological Growth is a Critical Determinant of Genetic Heart Failure,

PKC-α Improves Contractility and β-Adrenergic Responsiveness Without Increasing Susceptibility to Ischemic Injury, 1096

Placental Growth Factor Provides a Novel Local Angiogenic Therapy for Ischemic Cardiomyopathy, 1886

Plasma Brain Natriuretic Peptide (BNP) Levels do Not Predict Functional Status in Obese Patients with Heart Failure, 1757

Plasma Brain Natriuretic Peptide Concentration Elevated According to Increase in Myocardial Stiffness both in Patients with Systolic and Diastolic Heart Failure, 2588

Population-based Analysis of Gender Differences in Therapy, Resource Utilization, and Clinical Outcomes in Patients with CHF, 2974

Postinfarction Gene Therapy Against Transforming Growth Factor-β Signal Modulates Infarct Tissue Dynamics and Attenuates Left Ventricular Remodeling and Heart Failure, 1127

PPAR-α Regulatory Pathway is Activated in Patients with Severe Idiopathic Dilated Cardiomyopathy, 109

PPARI7 Polymorphism is Associated with Reduced Cardiac Function Identifying it as a Modifier of Heart Failure, 2584

Predicting 1-Year Mortality in Patients Receiving Implantable Cardioverter-Defibrillators for Congestive Heart Failure, Ischemic Heart Disease, and Ventricular Arrhythmias, 2364

Predicting Mortality and Morbidity in Chronic Heart Failure Independent of Left Ventricular Systolic Function: Results from the CHARM Program, 3478

Prediction of Sudden Death in Patients with Chronic Heart Failure: A Prospective Comparative Study of Cardiac I-123 Metaiodobenzylguanidine Imaging and Heart Rate Variability, 3055

Predictors of Absence of Heart Failure in Patients with Elevated B-type Natriuretic Peptide Levels, 1758

Predictors of Left Ventricular Dilatation in Young Adults, The Bogalusa Heart Study Subjects, 2097

Predictors of Poor Outcome in Dilated Cardiomyopathy, 1847 Predictors of the Onset of Depressive Symptoms in Heart Failure Patients, 2249

Pressure-overload Hypertrophy Results in Increased Expression of the "Decoy-receptor" VEGFR-1 Preventing Angiogenesis, Even in Hypoxia.

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- Pressure-Volume Plane Analysis to Determine Optimal Ventricular Pacing Lead Position in Patients With Normal QRS Duration, 2815
- Prevalence and Clinical Characteristics of Patients with Viable but Thinned Myocardium., 2986
- Prevalence and Hospital Outcomes of Acute Heart Failure and/or Left Ventricular Systolic Dysfunction Complicating Acute Coronary Syndromes, 2681
- Prevalence and Structural Risk Factors for Left Ventricular Thrombus in Patients with Systolic Dysfunction as Assessed by Cardiac MRI, 3486 Prevalence of an Amyloidogenic Transthyretin Allele (V122I) in Elderly
- African-Americans with Congestive Heart Failure, 3820 Prevalence Of Anemia Among Heart Failure Patients With Preserved Systolic Function And Its Influence On Their Survival, 2599
- Prevalence of Congestive Heart Failure among Persons with Reduced Kidney Function in the United States: The Third National Health and Nutrition Examination Survey (NHANES III), 3723
- Procedural Outcomes And Device Performance In The COMPANION Trial
- Of Resynchronization Therapy For Heart Failure, 2084 Profound Cardiac and Whole-Body Functional Recovery in Heart Failure/Muscular Dystrophy Hamsters by Systemic Delivery of AAV8 Vectors via IV or IP Route, 766
- Prognostic Significance of Plasma Levels of Hepatocyte Growth Factor in Patients with Congestive Heart Failure, 3469
  Prognostic Value of Combination of Cardiac Troponin T and B-Type
- Natriuretic Peptide in Outpatients on Chronic Hemodialysis: 5-Year Outcome Analysis, 2193
- Prognostic Value of Elevated BUN in Patients Hospitalized with Worsening Heart Failure: Insights from the Acute and Chronic Therapeutic Impact of a Vasopressin Antagonist in Chronic Heart Failure (ACTIV in CHF),
- Prognostic Value of Elevated Circulating Levels of Heart-Type Fatty Acid Binding Protein in Heart Failure Patients with Preserved Left Ventricular Systolic Function, 3470
- Prognostic Value of Endothelin Peptides in Heart Failure: Results from
- Prognostic Value of N-Terminal Pro-BNP versus BNP after Initiation of Treatment in Patients with Chronic Heart Failure, 1763
- Prolactin Confers Cardioprotective Effects Postpartum via the JAK2-STAT3 Signaling Pathway, 30
- Prospective Evaluation of the Impact of Advanced Age on Tolerability of Carvedilol in Patients with CHF: The COLA II Study, 2027
- Prosthesis-Patient Mismatch after Aortic Valve Replacment: Impact of Preoperative Left Ventricular Function on Clinical Outcomes, 3278
- Proteasome Deactivation by Oxidative Stress Induces Cardiac Myocytes Apoptosis via p53-Mediated Pathway in Pressure-Overloaded Hearts of Mice, 2950
- Protein Kinase A Corrects High Resting Tension Of Cardiomyocytes From Patients With Diastolic Heart Failure, 2094
- Psychosocial Factors and Functional Status Predict Depression in Adults with Heart Failure, 1967
- Pulmonary Artery Catheter Use Does Not Change the Contribution of Renal Dysfunction to Outcomes in Patients With Advanced Heart Failure: Findings From ESCAPE, 2964
- Pulmonary Hypertension, Normal Ejection Fraction and Elevated Pulmonary Capillary Wedge Pressure: Idiopathic Pulmonary Arterial Hypertension or Diastolic Heart Failure?, 3138
- Pulse Pressure Predicts Survival in Advanced Heart Failure Independent of Invasive Hemodynamic Measurements, 2809
- Quantitative Assessment of Electrocardiographic Strain Predicts
  New-Onset Congestive Heart Failure: The Strong Heart Study, 3468 Rapid Titration of Carvedilol in Patients with CHF: A Randomized Trial of
- Automated Telemedicine Versus Frequent Outpatient Clinic Visits, 2966 Recombinant Human Erythropoietin (rhEPO) to Reduce Acute Experimental Myocardial Infarction: Therapeutic Window and Dose Responses in
- Reduced ATP Synthesis Through Creatine Kinase in Failing and Non-Failing Hypertrophied Human Myocardium, 1548
- Reduced Contribution of Spirometric Abnormalities to Exercise Capacity in Patients with More Symptomatic Heart Failure, 2498
- Reduced Sorcin Expression Results in Dilated Cardiomyopathy, 60 Reduction of Circulating Amyloidogenic Light Chains Improves Myocardial Function and Survival Despite Unaltered Amount of Amyloid Myocardial
- Deposits, 2798 Regeneration of Human Infarcted Heart Muscle by Intracoronary Autologous Mononuclear Bone Marrow Cells in Chronic Coronary Artery Disease, 1141
- Regional Absence of Mitochondria Causing Energy Depletion in the Failing Myocardium of the MLP Knockout Mouse, 976
- Regression of Electrocardiographic Left Ventricular Hypertrophy and Decreased Incidence of New-Onset Congestive Heart Failure in Hypertensive Patients: The LIFE Study, 3379
- Renal Sympathetic Activation is Associated with Adverse Outcome in Patients with Chronic Heart Failure, 2580
- Repetitive Education and Monitoring Programs Reduce Long-term Hospitalizations or Mortality and Improve Quality of Life in Heart Failure-

- Results of the REMADHE Study (Randomized and Prospective), 2967 Resting Heart Rate and Change in Exercise Heart Rate as Predictors of Mortality in Patients with Heart Failure, 2246
- Reversal of Altered Expression of B.- and B.-Adrenergic Receptors in Pacing-Induced Heart Failure with β3-Adrenergic Receptor Blockade,
- Reversal of Cardiac Dysfunction by the Conditional Expression of Glycogen Synthase Kinase (GSK)  $3-\beta$  in the Pressure-Overloaded Heart,
- Reversal of heart failure in a conditional model of CryAB R120G desmin-related cardiomyopathy, 1388
- RGS3 Redirects the G<sub>1</sub>-coupled M<sub>2</sub> Muscarinic Receptor via Gβγ-dimers from Rac1 to RhoA Activation, 913
- Risk of First Congestive Heart Failure Following Incident Atrial Fibrillation and Trends over 2 Decades (1980-2000), 2239
- Risk Stratification for Sudden Cardiac Death in Chronic Heart Failure Patients Without Sustained Ventricular Tachycardia Using Iodine-123
- Metalodobenzylguanidine Scintigraphy, 3477 Risk Stratification using a Combination of Heart-type Fatty Acid Binding Protein and Brain Natriuretic Peptide in Patients Hospitalized for Congestive Heart Failure, 1754
- RNA Interference 'Rescues' Cardiac Myocytes from the Deleterious Negative Inotropic Effects of Lipopolysaccharide, 495
- Role of B<sub>1</sub> Kinin Receptor in Cardiac Remodeling in Mice with Myocardial
- S-Nitrosoglutathione Does Not Reproduce In Vivo Positive Inotropy Induced by Nitroxyl Donors, 142
- S100A1 Gene Therapy Preserves In Vivo Cardiac Function Following Myocardial Infarction, 491
- Selective Aldosterone Blockade is More Effective than ACE-Inhibition in Suppressing Inducibility of Sustained Atrial Tachyarrhythmias in the Canine Rapid Ventricular Pacing-Induced Heart Failure Model, 3431
- Selective ET-A Receptor Antagonism preserves GFR in a Canine Model of Cardiorenal Syndrome, 1111
- Selective Gene Silencing of Dimethylarginine Dimethylaminohydrolase 1 Attenuates Vascular Endothelial Cell Function, 854
- Selective Inhibitors of Tyrosine Phosphatase 1B Correct Endothelial Dysfunction of Small Peripheral Arteries in Mouse Heart Failure, 727 Serial 3D Echocardiography of Postinfarct Remodeling in the Mouse Model of Myocardial Infarction, 2756
- Serum B-Type Natriuretic Peptide Levels Do Not Correlate With Peak Aerobic Capacity In Chronic Heart Failure, 1759
- Severe Diastolic Dysfunction is Associated with Greater Autonomic Function Abnormalities as Assessed by Heart Rate Variability in Patients with Stable Systolic Heart Failure, 2960
- Sexual Problems in Heart Failure Patients, 3421
- Short-Term Therapy with Nonexcitatory Cardiac Contractility Modulation Electric Signals Increases Phosphorylation of Phospholamban in Left Ventricular Myocardium of Dogs With Chronic Heart Failure, 2808
- Should β-Blocker Therapy be Reduced or Withdrawn in Patients with Worsening Heart Failure? Insights from COMET, 2026
- Signs Of Systolic And Diastolic Heart Failure In Caveolin-1 Knockout Mice Establish A Crucial Role Of Caveolin-1 In Cardiac Perfomance, 23
- Site of RV Pacing Affects the Correlation between Pacing Lead Impedance and Changes in the Clinical Status of Patients with Congestive Heart Failure, 3335
- Skeletal Muscle Loss in Rats with Myocardial Infarction is Characterized by Reduced IGF-1 Expression and Activation of the
- Ubiquitin-Proteosome Pathway, 308 Spatially Discordant Cellular Alternans as a Novel Mechanism for Arrhythmogenesis in Heart Failure, 461
- Specific Knockdown of Protease 2A Attenuates Coxsackieviral Cytopathogenicity and Improves Survival in Highly Susceptible, CVB3-infected Type I Interferon Receptor-deficient Mice, 773
- Spironolactone Improves Left Ventricular Chamber Stiffness and Diastolic Function Associated With Regression of Myocardial Fibrosis in Asymptomatic Patients With Dilated Cardiomyopathy, 2261
- STAT6 Exerts a Protective Effect Mediated through the Regulation of TNF-α level by Tristetraprolin in Response to Pressure Overload In Vivo.
- Statin Therapy Improves Mortality, Cardiovascular Outcomes, and Levels of Inflammatory Markers in Patients with Heart Failure, 2591
- Statin Treatment Inhibits Pressure-Induced Myocardial Hypertrophy And Cardiac Expression Of Rac1 GTPase In Vivo, 2792
- Statins, Angiotensin Receptor Blockers, and Steroid Weaning are Associated with Mortality Reduction Among Heart Transplant Recipients, 3289
- Stem Cell Factor Receptor and Cardiac Regeneration after Myocardial Infarction, 2182
- Stretch Increases Pulmonary Vein Arrhythmogenic Activity, 2707 Stretch Induces Connective Tissue Growth Factor Expression via EGF-Receptor-Coupled B1 Integrin, 1368
- Suboptimal Care for Non-ST-Segment Elevation Acute Coronary Syndrome Patients Presenting With Congestive Heart Failure Is Associated With Higher Mortality, 2427

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Elastin Overexpression Limits Postinfarction Scar Expansion and Improves Ventricular Function, 2951

Initial Oxygen Concentration Modulates the Reactive Oxygen Species Burst in the Heart at the Onset of Reperfusion, 1635

N-Terminal Pro-Brain Natriuretic Peptide Correlates with Left Atrial Volume Index and Functional Parameters in Patients with Symptomatic Diastolic Dysfunction, 2231 Reversal of Cardiac Dysfunction by the Conditional Expression of

Glycogen Synthase Kinase (GSK)  $3-\beta$  in the Pressure-Overloaded Heart,

Reverse Left Ventricular Synchrony Is a Potential Mechanism of the Benefit from Dual-Chamber Pacing In Hypertrophic Obstructive Cardiomyopathy, 2944

Sequence of Progression of Subclinical Cardiovascular Risk Factors and Cardiac Dysfunction in Type 1 Diabetes Mellitus, 3753 Severe Diastolic Dysfunction is Associated with Greater Autonomia

Function Abnormalities as Assessed by Heart Rate Variability in Patients

Thiazolidinedione Therapy Associated with Improved Clinical Outcomes in Heart Failure Patients with Diabetes, 2411 Time-Course and Nature of Electrophysiological Remodeling During Progression of Left Ventricular Mechanical Dysfunction, 783 Timed Recumbency and Loop Diuretic Dosing on Urinary Sodium Excretion in Heart Failure, 3343 Tissue Doppler Indices of Dyssynchrony Correlate with Each Other only in the Absence of Postsystolic Shortening: Clinical Implications for the Identification of Responders to Cardiac Resynchronization Therapy, 1733 Tissue Factor Deficiency Causes Down-Regulation of Angiogenic Factors and Reduced Vascularity in the Heart, 1430 Total Cholesterol, Statin Therapy, and Survival in Ischemic and Nonischemic Heart Failure: Results from the Val-HeFT, 2590 Traditional Predictors of Adverse Outcome Are Modified in a Comprehensive Heart Failure Management Program, 2973 Transcatheter Closure of Interatrial Defects in Patients With Pulmonary Hypertension, 3024

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with Stable Systolic Heart Failure, 2960

Why Does Left Ventricular Endocardial Strain Reach around 100% at End-systole although Sarcomeres of Myocardial Fibers Contract up to Only 20%?, 3127

## Heart rate/Heart rate variability

β-Blocker Therapy for Heart Failure: Should the Therapeutic Target be Dose or Heart Rate Reduction?, 2029

A Bradycardic Agent, Cilobradine, Improves Left Ventricular Function in

Dogs with Coronary Embolization-Induced Heart Failure, 2794 Circadian Variations of Hypercapnic Chemosensitivity in Conscious Infarcted Rats are Characterized by a Transient Augmentation of the Chemoreflex Gain During Early Awakening Periods, 225

Continuous Positive Airway Pressure Therapy Lowers Vagal Tone In Patients With Obstructive Sleep Apnea-Hypopnea Syndrome, 2152

Diabetic Patients with Heart Failure Have Great Derangement of Cardiac Autonomic Function as Assessed by Heart Rate Variability Parameters,

Edrophonium-Induced Right Ventricular Outflow Tract Tachycardia, 3207 Electrocardiographic Variables During Recovery After Six-minute Walk Test in Patients with Chronic Heart Failure and Sinus Rhythm, 2242

Heart Rate Dynamics at the Onset of Ventricular Fibrillation in Patients with

Brugada Syndrome, 3090 Heart Rate Recovery After Bicycle Stress Testing is Delayed in Subjects with Elevated Coronary Atherosclerotic Plaque Burden in the General Population, 2616

Heart-Rate Recovery After Cardiopulmonary Exercise Testing Predicts Mortality In Patients With Chronic Heart Failure, 2297

Hysteresis of Heart Rate and Oxygen Uptake between Exercise and Recovery Indicates Disease Severity in Primary Pulmonary Hypertension, 2296

Improvement in Sleep-Related Breathing Disorders is Correlated with Heart Rate Variability in Heart Failure Patients with Cheyne-Stokes Respiration and Cardiac Resynchronization Therapy, 1895 Must Patients Faint on Tilt-Table Testing?, 2153

Phase-Rectified Signal Averaging is Superior to LVEF in Prediction of Late Mortality after Acute MI, 2155

Prediction of Sudden Death in Patients with Chronic Heart Failure: A Prospective Comparative Study of Cardiac I-123

Metaiodobenzylguanidine Imaging and Heart Rate Variability, 3055 Regular Exercise Reduces Arterial Blood Pressure at Rest and During Exercise in Preschool Children: A 2-Year Cluster-Randomized Controlled Trial, 3569

Resting Heart Rate and Change in Exercise Heart Rate as Predictors of Mortality in Patients with Heart Failure, 2246

Severe Diastolic Dysfunction is Associated with Greater Autonomic Function Abnormalities as Assessed by Heart Rate Variability in Patients with Stable Systolic Heart Failure, 2960

Social-Environmental and Behavioral Factors Independently Contribute to 10-Year Absolute Risk for Coronary Disease on the Framingham Index, 3647

Testing the Tests: Relative Sensitivities of 7 Tests Used to Stratify Post-Myocardial Infarction Patients, 2699

The Combination of Increased Short-Term Fractal Scaling Exponent and Decreased High-Frequency Power Provides a Powerful Independent Predictor of Mortality in the Elderly, 2154

Vagal HR Regulation is Enhanced with Interventions to Reduce Psychological Stress and Depression: A Meta-Analysis, 3646 Vagal Stimulation Markedly Suppresses Arrhythmias in Conscious Rats with Chronic Heart Failure after Large Myocardial Infarction, 397

A 2-Year Follow-Up Study of Transcatheter Closure of Patent Foramen Ovale in Prevention of Recurrent Stroke: Which is the Culprit: The Shunt or the Shape of the Atrial Septum?, 3198

Association of Inter-Atrial Shunts and Migraine Headaches: Impact of Transcatheter Closure, 3624

Catheter-Based Decompression of the Left Atrium in Patients With Hypoplastic Left Heart Syndrome and Restrictive Atrial Septum is Safe and Effective, 2330

Impact of Genetic Syndromes on Surgical Correction of Tetralogy of Fallot,

Interaction of Gata4 and Gata6 with Tbx5 is Critical for Normal Cardiac Development, 279

The Short-term Result of Transcatheter Device Closure of Ventricular Septal Defects, 3627

Transcatheter Closure of Perimembranous Ventricular Septal Defects using the New Amplatzer Membranous VSD Occluder: Result of the U.S. Phase I Trial, 2632

Heart surgery
Adenoviral Gene Transfer of a Broad Spectrum CC-Chemokine Inhibitor Reduces Vein Graft Atherosclerosis in Apolipoprotein E-Knockout Mice, 3481

A Decade of Aortic Valve-Sparing Reimplantation: Are We Pushing the Limits Too Far?, 3109

A Novel Left Ventricular Passive Support Device Alters the Natural History of Chronic Heart Failure in Awake Dogs, 3370 A Novel Protocol of Retrograde Cerebral Perfusion with Intermittent

Pressure Augmentation for Brain Protection, 2749

A Tissue Engineered Myocardial Patch Derived from Extracellular Matrix Performs Regional Mechanical Work, 1884

Aborted Off-Pump Coronary Artery Bypass Patients Have Worse Outcomes Compared With On-Pump and Successful Off-Pump Bypass Patients, 2549

Activation Of STAT1 Increases Necrosis And Apoptosis Following Ischemia/Reperfusion Independent Of STAT3 Activation, 2375 Angiographic Evaluation of the Quality of Anastomosis in Exclusive Internal

Thoracic Artery Myocardial Revascularization for Patients with Triple Vessel Disease, 2209

Aorto-Mitral Angle and Flexion are Altered by Acute Ischemic Mitral Regurgitation and Undersized Annuloplasty, 1994

Apoptosis Inhibition Effectively Protects Myocardium During Cardioplegic Arrest by High-Energy Phosphate Preservation, 21

Aprotinin Decreases Postoperative Bleeding and Number of Transfusions in Patients on Clopidogrel undergoing CABG: A Randomized Clinical Trial, 1981

Are Patients with Human Immunodeficiency Virus at Higher Risk for Complications Following Cardiac Surgery?, 1688

Association of Mutation in Heat Shock Protein 70 Gene with Postoperative Atrial Fibrillation, 3102

Beneficial Effect of Pre-Operative Aspirin Therapy on Post-Operative Outcomes in Patients Undergoing Coronary Artery Bypass Grafting, 2210

Biventricular Assist Device(BiVAD) Utilization for Patients with Morbid Congestive Heart Failure (MCHF): A Justifiable Strategy, 2713

Bradykinin Preconditioning Improves the Profile of Bad Phosphorylation and Caspase-3 Activation after Cardioplegic Arrest, 1708

C1 Esterase Inhibitor Decreases Inflammatory Insult Associated With Neonatal Cardiopulmonary Bypass, 2647

Cardiac Apoptosis Inhibition is an Effective New Strategy to Improve Myocardial Protection, 2369

Cardiac Replacement with a Total Artificial Heart as Bridge to Transplantation: Multi-Center IDE Trial Experience, 3287

Carotid Atherosclerosis and Risk of Cerebral Infarction as Assessed by Diffusion Weighted Magnetic Resonance Imaging in Patients Undergoing Off-Pump Coronary Artery Bypass Surgery, 1790

Changing Outcomes of Coronary Revascularization in British Columbia, 1995-2001, 3535

Clinical and Angiographic Outcomes of Coronary Artery Bypass Grafting with and without Cardiopulmonary Bypass: Harefield Prospective Randomized Trial, 2544

Clinical Outcomes of Surgical Ventricular Restoration: Data from the Society of Thoracic Surgeons' National Cardiac Database, 2933

Clopidogrel Administration Prior To CABG: The Cardiologist's Panacea Or The Surgeon's Headache ?, 2930

Combined Carotid Endarterectomy (CEA)/Coronary Artery Bypass (CAB): Is it Effective in Reducing Perioperative Stroke?, 2977

Conversion To Sinus Rhythm Does Not Improve Long-Term Survival After Valve Surgery: Insights From A 20-Year Follow-Up Study, 1722 Detection of Construction Errors in Ex Vivo Coronary Artery Anastomoses

by 13-MHz Epicardial Ultrasound: Comparison to Angiography, 2207 Diabetic Patients Are At Greater Risk for Developing Intraoperative Myocardial Acidosis/Ischemia During Cardiac Surgery. 3635

Does  $\beta_2$ -agonist Clenbuterol Help Maintain LV's Potential to Recover during Mechanical Unloading?, 2935

Does Extent of Mitral Regurgitation Regress after Aortic Valve Replacement for Severe Aortic Stenosis? A Cardiac Magnetic Resonance Imaging Study of LV Structure, Function, and Mitral Apparatus Geometry, 1719

Early Outcomes of Tricuspid Valve Replacement in Young Children, 3410 Early Results of Extended Myectomy in Hypertrophic Obstructive Cardiomyopathy in the Era of Interventional Septal Ablation, 3290

Effect of Dor Procedure in the Left Ventricle with Dyskinetic Anterior Wall on Ventricular Volume, Chamber Stiffness, and Function, 489

Efficacy Of The Maze Procedure Using Cooled-Tip Radiofrequency Ablation In Patients With Permanent Atrial Fibrillation And Rheumatic Mitral Valve Disease, 2723

Endothelial Progenitor Cells as a Sole Source for Tissue-Engineered Heart Valve Remodels In Vitro, 2385

Epicardial CryoMaze in a Chronic Off-Pump Sheep Model: The Future of Surgical Options for Treating Atrial Fibrillation, 3105

Evaluation for Second Stage Palliation Following the Norwood Procedure: Right Ventricle to Pulmonary Artery versus Modified Blalock-Taussig Shunt, 2477

Forty-Year Follow-Up of Patients Undergoing Surgical Repair of Isolated Pulmonary Valve Stenosis, 3022

Full Arterial Revascularisation Provides a Better Clinical Outcome when Combined with Off-Pump Coronary Artery Bypass Surgery: A Propensity Score Analysis, 2204