



EUROPEAN  
SOCIETY OF  
CARDIOLOGY

Volume 25 Abstract Supplement August/September 2004 ISSN 0195-668X

November 16, 2004

HEALTH SCIENCES  
LIBRARIES

# European Heart Journal

Journal of the European Society of Cardiology

**ESC Congress 2004**  
**28 August – 1 September**  
**Munich, Germany**

Editor-in-Chief: **Frans Van de Werf**

Deputy Editors: **Stefan Janssens**  
**Frank Rademakers**



**DOCKET**  
**A L A R M**

Find authenticated court documents without watermarks at [docketalarm.com](http://docketalarm.com).



**Editor in Chief**

Frans Van de Werf

**Deputy Editors**Stefan Janssens  
Frank Rademakers**Consulting Editor**

Kim Fox

**Supplements Editor**

Roberto Ferrari

**Managing Editors**Inge Hödl  
Anita Meuris**Manuscript Editor**

Neil Goodman

**Statisticians**Ann Belmans  
Emmanuel Lesaffre

André Aubert

Bart Bijmans

Werner Budts

Peter Carmeliet

Désiré Collen

Walter Desmet

Hugo Ector

Robert Fagard

Willem Flameng

Marc Gewillig

Hein Heidbüchel

Paul Herijgers

Luc Mortelmans

Erik Muls

André Nevelsteen

Paul Sergeant

Karin Sipido

Jan Staessen

Johan Vanhaecke

Raymond Verhaeghe

**Liaising Editors:**

North America: Bernard J. Gersh

Asia: Yean Leng Lim

Australia and New Zealand: Peter Thompson

South America: Ramon Corbalan

Africa: Anthony Dalby

**International Editorial Board**

Cassiano Abreu e Lima

Joseph Alpert

Elliot M. Antman

Eliosa Arbustini

Diego Ardisino

Paul W. Armstrong

Philip Aylward

Lina Badimon-Maestro

Jean-Luc Balligand

Jean-Pierre Bassand

Eric R. Bates

Alexander Battler

Lawrie Beilin

Youry Belenkov

Guy Berkenboom

Michel E. Bertrand

Christoph Bode

Robert O. Bonow

Eugene Braunwald

Gunter Breithardt

Pedro Brugada

Robert M. Califf

François Cambien

Paolo Camici

Christopher P. Cannon

Andrew J. Coats

Dennis V. Cokkinos

Antonio Colombo

Richard Conti

Francisco Cosio

Harry Crijns

Raffaele De Caterina

Peter de Jaegere

Genevieve Derumeaux

Rafael Diaz

Pieter A.F.M. Doevendans

Helmut Drexler

Victor Dzau

István Édes

Eric Eekhout

Erling Falk

David P. Faxon

Francisco Fernandez-Aviles

Rafael Ferreira

Desmond J. Fitzgerald

Moshe Y. Flugelman

Valentin Fuster

Nazzareno Galie

Michael A. Gatzoulis

Raymond Gibbons

Lino Gonçalves

Christopher B. Granger

Christian W. Hamm

Peter Hanrath

Gerd Hasenfuss

Liv Hatle

David R. Holmes, Jr

Kurt Huber

Steen Husted

Lukas Kappenberger

Karl R. Karsch

Hugo A. Katus

Neal S. Kleiman

Chu Pak Lau

Peter Libby

Gregory Y.H. Lip

Federico Lombardi

José-Luis Lopez Sendon

Joseph Loscalzo

Thomas Lüscher

Aldo Maggioni

Koon-Hou Mak

Klas Malmberg

Michael Marber

John Martin

Gerald Maurer

William J. McKenna

John McMurray

Bernard Meier

Gilles Montalescot

Elizabeth G. Nabel

Ryozo Nagai

Markku Nieminen

Magnus E. Ohman

Ali Oto

Mehmet Ozkan

Otmar Pachinger

Terje R. Pedersen

Dudley Pennell

Joep Perk

Marc E. Pfeffer

Mike Picard

Leopoldo Piegas

Philip Poole-Wilson

Silvia Giuliana Priori

Eric N. Prystowsky

Paul M. Ridker

Witold Ruzyllo

Lars Rydén

Marcus Schwaiger

Ketty Schwartz

Peter J. Schwartz

Udo Sechtum

Jungdon Seo

Patrick Serruys

Ajah J. Shah

Norman Sharpe

Maarten L. Simoons

Otto Smiseth

Jordi Soler-Soler

Christodoulos Stefanadis

Gabriel Steg

George R. Sutherland

Karl Swedberg

Michal Tendera

Erik Thaulow

Gianni Tognoni

Eric Topol

Adam Torbicki

Philip Urban

Alec Vahanian

Wiek H. Van Gilst

Panagiotis E. Vardas

Zvi Vered

Freek W.A. Verheugt

Renu Virmani

Cees A. Visser

Lars Wallentin

Harvey White

Petr Widimský

William Wijns

Kam Sang Woo

Seppo Ylä-Herttua

Salim Yusuf

Andreas M. Zeiher

Liquidia's Exhibit 1089

Page 3

### Legend

Every abstract is identified as either "BENCH" or "BEDSIDE".



**BENCH** (Animal studies or in vitro experiments at the molecular, cellular or tissue level (including human tissue). The core data are generated in the lab.)



**BEDSIDE** (Patients studies. The core data are generated during clinical studies or interventions.)

This abstract book has been produced electronically by Elsevier B.V.

Every effort has been made to faithfully reproduce the abstracts as submitted. However, no responsibility is assumed by the organisers for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of the rapid advances in the medical sciences, we recommend that independent verification of diagnoses and drug dosages should be made.

<b>Abstract Selection</b> .....	iii
<b>Abstract Review Committee</b> .....	vii
<b>Abstracts</b> .....	1
<b>Day 2 — Sunday 29 August 2004</b>	
117–122 Trends and risk factors in cardiovascular disease .....	3
123–128 Risk factors management in prevention .....	4
129–134 Predictive factors in dilated cardiomyopathy .....	6
135–140 New applications of strain and strain rate imaging .....	7
149–154 From mice to men: lessons in myocardial protection and hypertrophy .....	9
155–160 Impact of non surgical treatment and physiological stress on the GUCH-heart .....	10
161–166 Vascular growth and collateral vessels: opportunities and drawbacks .....	12
176–181 Drug eluting stent in complex lesion subsets .....	13
182–187 Gene variants in hypertension, coronary artery disease and dilated cardiomyopathy .....	15
188–193 Markers of severity in hypertrophic cardiomyopathy .....	16
199–204 How to perfect coronary artery bypass grafting? .....	18
209–214 Intravascular ultrasound and plaque characterisation .....	19
215–220 Epidemiology and treatment of pulmonary arterial hypertension .....	21
221–226 Revisiting the electrocardiogram and electrophysiologic markers of arrhythmic events .....	22
229–234 Nursing aspects of acute cardiac care .....	24
244–249 Follow-up in the pacemaker and implantable cardioverter-defibrillator Era: old and new issues .....	25
250–255 Threatening complications with sophisticated devices .....	27
256–261 New risk markers of sudden death after acute myocardial infarction .....	28
275–280 Inotropic intervention: new mechanisms .....	30
281–286 Muscle wasting and cachexia in heart failure: ready for intervention .....	31
304–309 Percutaneous coronary intervention and beyond for ST-elevation acute myocardial infarction .....	33
310–315 IIb or not to be in acute myocardial infarction? .....	34
P356–P361 Moderated e-Posters I: Cardiac dysfunction: new insights .....	36
P362–P377 Atherosclerosis I – Basic Science .....	37
P378–P384 Nuclear cardiology/Magnetic resonance imaging and cardiac radiology .....	41
P385–P386 Computers in cardiology .....	43
P387–P401 Echocardiography/Doppler .....	44
P402–P417 Atherosclerosis I – Basic Science .....	48
P418–P424 Nuclear cardiology/Magnetic resonance imaging and cardiac radiology .....	52
P425 Computers in cardiology .....	53
P426–P441 Echocardiography/Doppler .....	54
P442–P449 Moderated Poster session I: Arterial hypertension .....	58
P450–P466 Atrial fibrillation .....	60
P467–P498 Mechanisms of arrhythmias .....	64
P499–P540 Heart failure: clinical aspects .....	71
P541–P558 Pulmonary circulation .....	81
P559–P606 Thrombosis .....	86
P607–P623 Coronary plaque imaging .....	98
P624–P652 Endothelial function .....	102
P653–P682 Myocardial disease .....	109
683–686 Computed tomography: Imaging of coronary arteries .....	116
688–691 Young Investigators' Award Session – Basic Science .....	117
693–696 Young Investigators' Award Session – Thrombosis .....	118
698–701 Young Investigators' Award Session – Population Sciences .....	119
703–706 Young Investigators' Award Session – Clinical Science .....	120
729–734 New prevention strategies .....	121
735–740 Women, men and cardiovascular disease .....	123
741–746 Multiple uses of myocardial deformation assessment by echocardiography .....	124

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.