

DAVID MARK BROWN MD FACS

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Retina Consultants of Texas, an RCA Company

Physician Partner & Director of Research

1995-Present

Newcastle Office (Main Office & Research Office)
4460 Bissonnet Street, Suite 200, Bellaire, Texas 77401

The Woodlands Office (Research Office)
17350 St. Luke's Way, Suite 120, The Woodlands, Texas 77384

Kingwood Office (Research Office)
350 Kingwood Medical Drive, Suite 200, Kingwood, Texas 77339

Katy Office (Research Office)
23501 Cinco Ranch Boulevard, Suite G205, Katy, TX 77494

Memorial Office (Research Office)
10100 Katy Freeway, Suite 100, Houston, TX 77043

Peakwood Office (Research Office)
800 Peakwood Drive, Suite 1C, Houston, TX 77090

Sugar Land Office (Research Office)
6921 Brisbane Court, Suite 200, Sugar Land, TX 77479

Space Center/Pasadena
11460 Space Center Boulevard., Suite 2, Houston, TX 77059

Northwest Office
21216 NW Freeway, Suite 630, Cypress, TX 77429

Brenham TX Office
2620 Hwy 36 South, Brenham, TX 77833

Lufkin TX Office
2906 Brentwood Drive, Suite 300, Lufkin, TX 75901

San Antonio TX Offices (Research offices)
9480 Huebner Road, Suite 310, San Antonio, TX 78240
10439 State Highway 151, San Antonio, TX 78251

Beaumont TX Office (Research Office)
87 Interstate North, Suite 103, Beaumont, TX 77707

BOARD CERTIFICATION

Diplomat, American Board of Ophthalmology 1994
ABO Recertification (2005-2014) & (2015-2024)

LICENSURE

Texas License #H5425
DEA#: BB1702213

EDUCATION & TRAINING

- 1993-1995 **University of Iowa Hospitals & Clinics**
Medical Retina & Vitreoretinal Surgery Fellowship
- 1990-1993 **University of Iowa Hospitals & Clinics**
Ophthalmology Residency
- 1989-1990 **Baylor College of Medicine**
Medical/Surgical Internship
- 1984-1988 **Baylor College of Medicine**
Doctorate of Medicine with "High Honors"
- 1981-1984 **Houston Baptist University**
Bachelor of Science summa cum laude (4.0/4.0 GPA)

ACADEMIC APPOINTMENTS

- Clinical Professor of Ophthalmology**, Department of Ophthalmology
Baylor College of Medicine, Houston, Texas
- Vice-Chair of Ophthalmology for Research**, Department of Ophthalmology,
The Methodist Hospital, Weill Cornell College of Medicine, Houston, Texas
- Associate Clinical Professor of Ophthalmology**, The Methodist Hospital,
Weill Cornell Medical College, Houston, Texas
- NASA- Research and Clinical Advisory Panel**-Space Associated Neuro-ophthalmic Syndrome
NASA Johnson Space Center, Houston, Texas

ACADEMIC & RESEARCH HONORS

- American Society of Retina Specialists (ASRS) Presidential Honor Award 2023**
- American Academy of Ophthalmology Senior Achievement Award 2014**
- American Society of Retina Specialists (ASRS) Senior Honor Award 2010**
- American Society of Retina Specialists (ASRS) Honor Award 2008**
- Academy of Ophthalmology Honor Award 2000**
- Heed-Knapp Ophthalmic Foundation Fellowship 1994-1995**
- Ronald G. Michels Foundation Fellowship Award 1994**
(presented to most outstanding U.S. Retina fellow)
- Heed Ophthalmic Foundation Thomas Heed Fellowship 1993-1994**
- PJ Leinfelder Award (most outstanding research in residency) 1991-1992**

ELECTED HONORARY SOCIETIES & LISTS

- Club Jules Gonin Society (2018)**
- RETINA HALL OF FAME (charter inductee- 2017)**

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Texas Monthly "Super Doc" (2009-2023)
"Best Doctors In America" (2007-2023)
Macula Society (2008-present)
Retina Society (2006-present)
Ronald G. Michels Fellowship Society (1994)
Society of Thomas Heed Fellows (1993)
Alpha Omega Alpha Medical Honor Society (1985)

PROFESSIONAL ORGANIZATIONS & SOCIETIES

Fellow, American Academy of Ophthalmology
Diplomate, American Board of Ophthalmology
Harris County Ophthalmology Society
Harris County Medical Society
Iowa Eye Association
Fellow, American College of Surgeons
Association for Research in Vision (ARVO)
American Society of Retina Specialists
American Society of Cataract & Refractive Surgery
American Diabetes Association
Juvenile Diabetes Research Foundation
Texas Ophthalmologic Association
American Medical Association

PROFESSIONAL ORGANIZATIONS & SOCIETIES- LEADERSHIP ROLES

Retina Society- Audit Committee Chair (2022-present)
American Society of Retina Specialists - Board of Directors 2014-2021
American Society of Retina Specialists - Practice Management Chair 2014-17
American Society of Retina Specialists – Governmental Affairs 2017-2020
The Foundation of the ASRS- Board of Directors 2014-2021
Macula Society - Credentials Committee 2013-2017
Retina Society- Chair, Audit Committee- 2022- present
Retina Society- Finance Committee- 2018-2020
Retina Society - Nominating Committee Chairman 2013-15
Retina Society - Nominating Committee 2011-15
American Society of Cataract & Refractive Surgery- Retina Clinical Committee 2015-present
Methodist Research Institute - Internal Advisory Committee 2004-2012
Diabetic Retinopathy Clinical Research Network - Executive Committee 2005-2007
Diabetic Research Clinical Network (DRCR) - Planning Committee 2004-2005
Methodist Hospital Research Institute SPRINT - Planning Committee 2003-2004
Harris County Ophthalmology Society - President 2002-2003
Harris County Ophthalmology Society - Executive Committee 1997-2003
Iowa Eye Association - President 2002-2003
University of Iowa Center for Macular Degeneration - Advisory Board 2003-present
Juvenile Diabetes Research Foundation - Board of Directors 1998-2002
Houston American Diabetes Association - Medical Advisory Board 2000-2002
Houston Area American Diabetes Association - Board of Directors 1998-2001

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PEER REVIEWER

American Journal of Ophthalmology
Archives of Ophthalmology
British Journal of Ophthalmology
EYE
New England Journal of Medicine
OPHTHALMOLOGY
RETINA, The Journal of Retina & Vitreous Diseases
RETINA, Cases & Brief Reports

GOOGLE SCHOLAR | EXPERTSCAPE RANKINGS

h-Index: 45 **i10 Index: 74** **Citations: 21,892**
Expertscape rankings: -based on Pubmed publications past 10 years (www.expertscape.com)
Retinal Vein Occlusion: #3 worldwide, #1 Texas
Macular Degeneration: #13 worldwide, #5 US, #1 Texas
Diabetic Retinopathy: Top 30 worldwide, #1 Texas

PUB-MED INDEXED ORIGINAL PAPERS- AUTHOR

-Wykoff CC, **Brown DM**, Reed K, Berliner AJ, Gerstenblith AT, Breazna A, Abraham P, Fein JG, Chu KW, Clark WL, Leal S, Schmelter T, Hirshberg B, Yancopoulos GD, Vitti R; CANDELA Study Investigators Effect of High-Dose Intravitreal Aflibercept, 8 mg, in Patients With Neovascular Age-Related Macular Degeneration: The Phase 2 CANDELA Randomized Clinical Trial..JAMA Ophthalmol. 2023 Sep 1;141(9):834-842 PMID: 37535382

-Wykoff CC, Garweg JG, Regillo C, Souied E, Wolf S, Dhoot DS, Agostini HT, Chang A, Laude A, Wachtlin J, Kovacic L, Wang L, Wang Y, Bouillaud E, **Brown DM**. KESTREL and KITE Phase 3 studies: 100-week results with brolocizumab in patients with diabetic macular edema. Am J Ophthalmol. 2023 Jul 15:S0002-9394. PMID: 37460036

-Peng ET, Parvus MN, Yu HJ, Laswell SM, Pearce WA, Fan KC, Major JC Jr, **Brown DM**, Wykoff CC, Patel SB. Risk Factors for the Development of Fellow Eye Horseshoe Retinal Tears Following Horseshoe Retinal Tear in the Presenting Eye. Ophthalmic Surg Lasers Imaging Retina. 2023 Jun;54(6):338-345 PMID: 37352399

-Heier JS, Ho AC, Boyer DS, Csaky K, Vitti R, Perlee L, Chu KW, Asmus F, Leal S, Zeitz O, Cheng Y, Schmelter T, **Brown DM**. Intravitreal Nesvacumab (Anti-Angiopoietin-2) Plus Aflibercept in Neovascular AMD: Phase 2 ONYX Randomized Trial.J Vitreoretin Dis. 2022 Dec 30;7(1):8-15. PMID: 37008402

-Gibson CR, Mader TH, Lipsky W, **Brown DM**, Jennings R, Law J, Sargsyan A, Brunstetter T, Danilichev SN, Maezawa Y. Implantable Collamer Lens Use in a Spaceflight Participant During Short Duration Spaceflight. Aerosp Med Hum Perform. 2023 Jan 1;94(1):48-50. doi: 10.3357/AMHP.6150.2023. PMID: 36757221.

-**Brown DM**, Nowik M, Bouillaud E, Dugel APU; HAWK Extension Study Investigators. HAWK Extension Study: Safety and Efficacy of Intravitreal Brolocizumab in Neovascular Age-related Macular Degeneration. Curr Eye Res. 2023 Jan;48(1):44-50. doi: 10.1080/02713683.2022.2096907. Epub 2022 Nov 18. PMID: 36398628.

-Rao AV, Shah AR, Nguyen VT, Pearce W, Wong TP, **Brown DM**, Wykoff CC, Patel SB. Use of Optical Coherence Tomography in Detecting Retinal Tears in Acute, Symptomatic Posterior Vitreous Detachment. Retina. 2022 Dec 26. doi: 10.1097/IAE.0000000000003718. Epub ahead of print. PMID: 36728866.

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- Eichenbaum D, **Brown DM**, Ip M, Khanani AM, Figueroa MS, McAllister IL, Laude A, Guruprasad B, Tang S, Gmeiner B, Clemens A, Souied E. Impact of retinal fluid-free months on outcomes in nAMD: a treatment agnostic analysis of the HAWK and HARRIER studies. Retina. 2022 Dec 20. doi: 10.1097/IAE.0000000000003699. Epub ahead of print. PMID: 36705252.
- Brown DM**, Kowalski MA, Paulus QM, Yu J, Kumar P, Kane MA, Patel JM, Ethier CR, Pardue MT. Altered Structure and Function of Murine Sclera in Form- Deprivation Myopia. Invest Ophthalmol Vis Sci. 2022 Dec 1;63(13):13. doi: 10.1167/iovs.63.13.13. PMID: 36512347; PMCID: PMC9753793.
- Hanna R, **Brown DM**, Brown A, Baldwin K. Measuring atmospheric turbulence along folded paths using a laser-illuminated differential image motion monitor. Appl Opt. 2022 Nov 10;61(32):9646-9653. doi: 10.1364/AO.468597. PMID: 36606905.
- Abraham JR, Wykoff CC, Arepalli S, Lunasco L, Yu HJ, Martin A, Mugnaini C, Hu M, Reese J, Srivastava SK, **Brown DM**, Ehlers JP. Exploring the angiographic- biologic phenotype in the IMAGINE study: quantitative UWFA and cytokine expression. Br J Ophthalmol. 2022 Oct;106(10):1444-1449. doi: 10.1136/bjophthalmol-2020-318726. Epub 2021 Jun 7. PMID: 34099465; PMCID: PMC8761372.
- Fan W, Fleming A, Hemert JV, Wykoff CC, **Brown DM**, Robertson G, Wang K, Falavarjani KG, Sadda SR, Ip M. RETINAL VASCULAR BED AREA IN EYES WITH RETINAL VEIN OCCLUSION ON ULTRA-WIDEFIELD FLUORESCIN ANGIOGRAPHY: WAVE Study. Retina. 2022 Oct 1;42(10):1883-1888. doi: 10.1097/IAE.0000000000003549. PMID: 35976232.
- Khanani AM, **Brown DM**, Jaffe GJ, Wykoff CC, Adiguzel E, Wong R, Meng X, Heier JS; MERLIN Investigators. MERLIN: Phase 3a, Multicenter, Randomized, Double- Masked Trial of Brolucizumab in Participants with Neovascular Age-Related Macular Degeneration and Persistent Retinal Fluid. Ophthalmology. 2022 Sep;129(9):974-985. doi: 10.1016/j.ophtha.2022.04.028. Epub 2022 May 7. PMID: 35537533.
- Brown DM**, Emanuelli A, Bandello F, Barranco JJE, Figueira J, Souied E, Wolf S, Gupta V, Ngah NF, Liew G, Tuli R, Tadayoni R, Dhoot D, Wang L, Bouillaud E, Wang Y, Kovacic L, Guerard N, Garweg JG. KESTREL and KITE: 52-Week Results From Two Phase III Pivotal Trials of Brolucizumab for Diabetic Macular Edema. Am J Ophthalmol. 2022 Jun; 238:157-172. doi: 10.1016/j.ajo.2022.01.004. Epub 2022 Jan 14. PMID: 35038415.
- Brown DM**, Boyer DS, Csaky K, Vitti R, Perlee L, Chu KW, Asmus F, Leal S, Zeitz O, Cheng Y, Schmelter T, Heier JS; RUBY Investigators. INTRAVITREAL NESVACUMAB (ANTIANGIOPOIETIN 2) PLUS AFLIBERCEPT IN DIABETIC MACULAR EDEMA: Phase 2 RUBY Randomized Trial. Retina. 2022 Jun 1;42(6):1111-1120. doi: 10.1097/IAE.0000000000003441. Epub 2022 Feb 22. PMID: 35234673; PMCID: PMC9112959.
- Ehlers JP, Patel N, Kaiser PK, Heier JS, **Brown DM**, Meng X, Reese J, Lunasco L, Le TK, Hu M, Srivastava SK. The Association of Fluid Volatility With Subretinal Hyperreflective Material and Ellipsoid Zone Integrity in Neovascular AMD. Invest Ophthalmol Vis Sci. 2022 Jun 1;63(6):17. doi: 10.1167/iovs.63.6.17. PMID: 35713892; PMCID: PMC9206498.
- Fan W, Uji A, Wykoff CC, **Brown DM**, van Hemert J, Falavarjani KG, Wang K, Sadda SR, Ip M. Baseline retinal vascular bed area on ultra-wide field fluorescein angiography correlates with the anatomical outcome of diabetic macular oedema to ranibizumab therapy: two-year analysis of the DAVE Study. Eye (Lond). 2022 Mar 24. doi: 10.1038/s41433-021-01777-7. Epub ahead of print. PMID: 35332289.
- Fan W, Nittala MG, Wykoff CC, **Brown DM**, Uji A, Hemert JV, Fleming A, Robertson G, Sadda SR, Ip M. NEW BIOMARKER QUANTIFYING THE EFFECT OF ANTI-VEGF THERAPY IN EYES WITH PROLIFERATIVE DIABETIC RETINOPATHY ON ULTRAWIDE FIELD FLUORESCIN ANGIOGRAPHY: RECOVERY Study. Retina. 2022 Mar 1;42(3):426-433. doi: 10.1097/IAE.0000000000003358. PMID: 34803132.
- Kar SS, Abraham J, Wykoff CC, Sevgi DD, Lunasco L, **Brown DM**, Srivastava SK, Madabhushi A, Ehlers JP. Computational Imaging Biomarker Correlation with Intraocular Cytokine Expression in Diabetic Macular Edema: Radiomics Insights from the IMAGINE Study. Ophthalmol Sci. 2022 Feb 4;2(2):100123. doi: 10.1016/j.xops.2022.100123. PMID: 36249694; PMCID: PMC9560558.
- Brown DM**, Hanna RT, Brown AM, Hixson JG, Baldwin KC. Numerical simulation of a large area scintillometer and laser differential image motion monitor. Appl Opt. 2022 Jan 1;61(1):10-21. doi: 10.1364/AO.442064. PMID: 35200796.

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