

CURRICULUM VITAE

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EDUCATION

College Case Western Reserve University
Cleveland, Ohio
1986, BA *cum laude* (Biochemistry and Philosophy)

Medical School Boston University School of Medicine
Boston, Massachusetts
1991, MD *magna cum laude*

POSTGRADUATE TRAINING

Internship Internal Medicine
New England Deaconess Hospital
Boston, Massachusetts
1991–1992

Residency Ophthalmology
Duke University Eye Center
Durham, North Carolina
1992–1995

Fellowship Vitreoretinal Diseases and Surgery
Associated Retinal Consultants, PC
Royal Oak, Michigan
1995–1997

LICENSURE AND BOARD CERTIFICATION

Licensed to practice medicine in Ohio

Diplomate, American Board of Ophthalmology

PROFESSIONAL POSITIONS

Retina Associates of Cleveland, 1997–

Practice limited to retinal diseases and surgery. Associates: Lawrence J. Singerman, MD; Michael A. Novak, MD; Hernando Zegarra, MD; Z. Nicholas Zakov, MD; David G. Miller, MD; Joseph M. Coney, MD; Jerome P. Schartman, MD; Llewelyn J. Rao, MD; Lili G. Kaplan, MD; Shawn A. Lewis, MD

ACADEMIC AND TEACHING ACTIVITIES

The Retinal Institute, Mt Sinai Medical Center, Cleveland, Ohio; 1997–1998
Vitreoretinal surgeon, Attending in Resident Clinic

The Eye Research Institute, Oakland University, Rochester, Michigan; 1996–1997
Research Fellow

Harvard University, Boston, Massachusetts; 1991–1992
Clinical Fellow in Medicine

HONORS AND AWARDS

Best Doctors in America, 2013-2015

Haas Award Grant, 1997

Horwitz Prize, 1996 (first prize for best research presentation, Wm. Beaumont Hospital)

Heed Ophthalmic Foundation Fellowship, 1995

Unrestricted grant from Research to Prevent Blindness, Inc., 1993

Hewlett-Packard Company Medical Award (for top five students in graduating class), 1991

John M. Murray Prize (for best four-year performance in psychiatry), 1991

Alpha Omega Alpha, junior year, 1990

Institute of Pathology Research Fellowship, 1985

MEMBERSHIPS

The Academy of Medicine of Cleveland
American Academy of Ophthalmology

American Society of Retinal Specialists (formerly the Vitreous Society)
American Medical Association
Association for Research in Vision and Ophthalmology
Cleveland Ophthalmological Society
Heed Ophthalmic Foundation
Ohio State Medical Association

HOSPITAL & ASC AFFILIATIONS

Austintown Surgery Center / Surgery Center of Canfield; Canfield, Ohio
Cleveland Eye and Laser Surgery Center; Cleveland, Ohio
Lippy Surgery Center; Warren, Ohio
Summa Healthcare System; Akron, Ohio

RESEARCH ACTIVITIES

NIH-funded Grants

Home vision monitoring in AREDS2 for progression to neovascular age-related macular degeneration

Co-investigator, 2011–2013

Comparison of age-related macular degeneration treatments trials: Lucentis-Avastin trial (CATT)

Co-investigator, 2008–2012

Age-Related Eye Disease Study (AREDS) 2

Co-investigator, 2006–2012

Standard Care vs. COrticosteroid for REtinal Vein Occlusion (SCORE) Study

Co-investigator, 2004–2009

Family Investigation of Nephropathy and Diabetes – FIND

Co-investigator/Study Ophthalmologist. 2000–

Epidemiology of Diabetes Interventions and Complications Trial – EDIC

Co-investigator, 1998–

Complications of Age-related Macular Degeneration Prevention Trial – Laser treatment of drusen – CAPT

Co-investigator, 1998–2007

Collaborative Ocular Melanoma Study (COMS)

Following and Enucleating Ophthalmologist, 1997–2003

Submacular Surgery Trials

Co-investigator, 1997–2004

Other National Clinical Trials

Phase 2b dose-ranging study of pazopanib eye drops versus ranibizumab intravitreal injections for the treatment of neovascular age-related macular degeneration

Principal Investigator, 2010–2011

Eyetech 1023: Phase IV, open label, multicenter trial of maintenance intravitreal injections of Macugen® (pegaptanib sodium) given every 6 weeks for 48 weeks in subjects with subfoveal neovascular age-related macular degeneration (AMD) initially treated with a modality resulting in maculopathy improvement

Principal investigator, 2006–2008

Eyetech 1012: Phase 4, randomized, active controlled, double-masked, single dummy, to compare the safety and efficacy of Macugen every 6 weeks plus sham PDT to Macugen every 6 weeks with PDT in patients with predominantly classic CNV

Principal investigator, 2005–2006

Eyetech 1011: A Phase II randomized, double-masked, safety, efficacy, and pharmacokinetics study of Macugen vs. placebo given every 6 weeks for 30 weeks for vision loss due to macular edema secondary to CRVO

Principal investigator, 2004–2006

Eyetech 1010: Open label, non-comparative protocol for use of 0.3mg intravitreal Macugen injections every 6 weeks in patients with AMD

Principal investigator, 2004–2005

EyeTech 1009: A Phase II prospective, randomized, double-masked, sham controlled, dose-ranging, multi-center trial to assess the effect of pegaptanib sodium on fovea thickening in patients with exudative subfoveal age-related macular degeneration

Principal investigator, 2004–2006

EyeTech 1006: A randomized, double-masked, multi-center trial of the safety, tolerability and pharmacokinetics of 1 mg/eye and 3 mg/eye intravitreal injections of pegaptanib sodium (anti-VEGF pegylated aptamer) given every 6 weeks for 54 weeks, in patients with exudative age-related macular degeneration

Principal investigator, 2002–2006

EyeTech 1005: A Phase II randomized, controlled, double-masked, dose-finding, multi-center, comparative trial, in parallel groups, to establish the safety and preliminary efficacy of intravitreal injections of EYE001 (anti-VEGF pegylated aptamer), given every 6 weeks for 12 to 30 weeks to patients with clinically significant diabetic macular edema (CSME) involving the center of the macula

Principal investigator, 2002–2003

Fluocinolone Acetonide in Diabetic Macular Edema (FAME 4) Study: A multicenter, randomized, masked, controlled study to evaluate the safety and efficacy of Retisert™, an intravitreal fluocinolone acetonide implant, in the treatment of patients with diabetic macular edema

Principal investigator, 2001–2007

EyeTech 1004: Phase II/III randomized, double-masked, controlled, dose-ranging, multicenter comparative trial, in parallel groups, to establish the safety and efficacy of intravitreal injections of EYE001 (anti-VEGF pegylated aptamer) given every 6 weeks for 54 weeks in patients with age-related macular degeneration

Principal investigator, 2001–2005

Vitrace® for Vitreous Hemorrhage Study

Principal investigator, 1998–1999

Efficacy and safety study of squalamine ophthalmic solution in subjects with neovascular AMD (MAKO)

Co-investigator, 2016–

Phase II, multicenter, randomized, single-masked, sham-controlled study of safety, tolerability and evidence of activity of intravitreal APL-2 therapy in patients with geographic atrophy (GA)

Co-investigator, 2015–

Phase III double masked study of safety and efficacy of abicipar pegol in patients with neovascular age-related macular degeneration

Co-investigator, 2015–

Phase 3, randomized, double-masked, controlled trial to establish the safety and efficacy of intravitreal administration of Fovista (anti PDGF-B pegylated aptamer) administered in combination with either Avastin or Eylea compared to Avastin or Eylea monotherapy in subjects with subfoveal neovascular age-related macular degeneration

Co-investigator, 2015–

An 18-month Phase 2a open label, randomized study of Avastin, Lucentis, or Eylea (anti-VEGF therapy) administered in combination with Fovista (anti-PDGF BB pegylated aptamer)

Co-investigator, 2015–

LHA510 proof-of-concept study as a maintenance therapy for patients with wet age-related macular degeneration

Co-investigator, 2015–

Randomized, double-masked, multicenter, three-arm study comparing the efficacy and safety of RTH-258 versus aflibercept in subjects with neovascular age-related macular degeneration

Co-investigator, 2015–

A study of lampalizumab intravitreal injections administered every two weeks or every four weeks to patients with geographic atrophy (EXPOSURE)

Co-investigator, 2015–

Phase III, multicenter, randomized, double-masked, sham-controlled study to assess the efficacy and safety of lampalizumab administered intravitreally to patients with geographic atrophy secondary to age-related macular degeneration (PROXIMA)

Co-investigator, 2015–

Phase 2, multi-center study to compare the efficacy and safety of a chemokine CCR2/5 receptor antagonist with ranibizumab in adults with diabetic macular edema

Co-investigator, 2014–

A study investigating the efficacy and safety of lampalizumab intravitreal injections in patients with geographic atrophy secondary to age-related macular degeneration (CHROMA)

Co-investigator, 2014–

Phase 3, randomized, double-masked, controlled trial to establish the safety and efficacy of intravitreal administration of Fovista (anti PDGF-B pegylated aptamer) administered in combination with Lucentis compared to Lucentis monotherapy in subjects with subfoveal neovascular age-related macular degeneration

Co-investigator, 2013–

Phase 2b/3 multicenter, randomized, double-masked, dose-ranging study comparing the efficacy and safety of emixustat hydrochloride (ACU-4429) with placebo for the treatment of geographic atrophy associated with dry age-related macular degeneration (SEATTLE)

Co-investigator, 2013–

Phase 2 multicenter randomized clinical trial of ciliary neurotrophic factor (CNTF) for macular telangiectasia type 2 (MacTel)

Co-investigator, 2013–

Prospective, randomized, double-masked, multicenter, two arm study comparing the efficacy and safety of ESBA1008 versus Eylea® in subjects with exudative age-related macular degeneration

Co-investigator, 2013–2014

Efficacy and safety of squalamine lactate eye drops in subjects with neovascular (wet) age-related macular degeneration

Co-investigator, 2012–

Ocriplasmin for treatment for symptomatic vitreomacular adhesion including macular hole (OASIS)

Co-investigator, 2012–2014

Safety and tolerability of intravenous LFG316 in wet age-related macular degeneration
Co-investigator, 2012–2013

Single and repeat dose study of the safety and efficacy of AGN-150998 in patients with exudative age-related macular degeneration
Co-investigator, 2012

Phase 1 multicenter open-label safety and tolerability clinical trial of ciliary neurotrophic factor (CNTF) in patients with macular telangiectasia Type 2 (Mactel)
Co-investigator, 2011–

A study of safety, tolerability, and evidence of activity of FCFD4514S administered monthly or every other month to patients with geographic atrophy
Co-investigator, 2011–2013

Phase 2, randomized, double-masked, controlled trial to establish the safety and efficacy of intravitreal injections of E10030 (anti-PDGF pegylated aptamer) given in combination with Lucentis® in subjects with neovascular age-related macular degeneration
Co-investigator, 2010–2011

Impact of Lucentis on psychological morbidity in patients with macular edema and neovascularization secondary to retinal vein occlusion
Co-investigator, 2009–2012

Geographic Atrophy Treatment Evaluation (GATE) Study
Co-investigator, 2009–2012

Natural History of Geographic Atrophy Progression (GAP) Study
Co-investigator, 2008–2009

Phase 2, randomized, double-masked, placebo-controlled, dose-ranging clinical study to assess the safety and efficacy of subconjunctival injections of sirolimus in patients with diabetic macular edema secondary to diabetic retinopathy
Co-investigator, 2008–2010

Phase 1, single ascending dose and parallel group trial to establish the safety, tolerability, and pharmacokinetic profile of multiple intravitreal injections of volociximab ($\alpha 5\beta 1$ integrin antagonist) as monotherapy or given in combination with Lucentis 0.5mg/eye in subjects with neovascular AMD (Ophthotech 3000)
Co-investigator, 2008–2012

Safety and efficacy of 700ug dexamethasone posterior segment drug delivery system (DEXDDS) applicator system in combination with laser photocoagulation compared with laser photocoagulation alone in the treatment of diffuse macular edema (DME)
Co-investigator, 2008–2009

Anecortave acetate for treatment of steroid- induced intraocular pressure (IOP) elevation
Co-investigator, 2008–2010

Phase I, single ascending dose trial to establish the safety, tolerability, and pharmacokinetic profile of intravitreal injections of E10030 (anti-PDGF pegylated aptamer) monotherapy and of E10030 given in combination with Lucentis 0.3mg/eye in subjects with neovascular AMD
Co-investigator, 2007–2008

A multicenter, randomized, placebo-controlled, double-masked, parallel group, dose-ranging clinical trial of intravitreal microplasmin in patients undergoing surgical vitrectomy: The MIVI III (Microplasmin For Vitreous Injection III) Trial
Co-investigator, 2007–2010

A study of ranibizumab injection in subjects with clinically significant with macular edema center involvement secondary to diabetes mellitus (RIDE)
Co-investigator, 2007–2012

Indocyanine green (ICG) angiographic evaluation of ranibizumab (Lucentis[®]) treatment of pigment epithelial detachment (PED) associated with age-related macular degeneration (AMD)
Co-investigator, 2007–2009

COBALT: COmbining Bevasiranib And Lucentis Therapy. A phase III, randomized, double-masked, parallel-assignment study of intravitreal bevasiranib sodium, administered every 8 or 12 weeks as maintenance therapy following three injections of Lucentis[®], compared with Lucentis[®] monotherapy every 4 weeks in patients with exudative age-related macular degeneration (AMD)
Co-investigator, 2007–2008

OMEGA: A randomized, double-masked, dose-ranging, multi-center, phase II study comparing the safety and efficacy of OT-551 with placebo to treat geographic atrophy associated with age-related macular degeneration
Co-investigator, 2007–2009

Denali: A 24-month randomized, double-masked, controlled, multicenter, phase IIIB study assessing safety and efficacy of verteporfin (Visudyne[®]) photodynamic therapy administered in conjunction with ranibizumab (Lucentis[™]) versus ranibizumab (Lucentis[™]) monotherapy in patients with subfoveal choroidal neovascularization secondary to age-related macular degeneration
Co-investigator, 2007

Age-related Macular Degeneration: Detection of Onset of new Choroidal neovascularization (AMD DOC) study comparing preferential hyperacuity perimetry (PHP) with supervised Amsler grid in detecting AMD for earlier treatment in high-risk fellow eyes (Johns Hopkins)
Co-investigator, 2007–2009

Small Interfering RNA In Macular Degeneration Study (SIRIUS): A 2 year, multicenter, randomized, controlled, masked, dose-finding trial to assess the safety and efficacy of

multiple intravitreal injections of AGN211745 in subjects with subfoveal choroidal neovascularization secondary to age-related macular degeneration

Co-investigator, 2007–2008

Sirion Phase II randomized, double-masked, placebo-controlled, dose-comparison study of the safety and efficacy of fenretinide in the treatment of geographic atrophy in age-related macular degeneration

Co-investigator, 2007–2010

Efficacy and safety of intravitreal injection of Macugen for recent onset neovascular lesions of AMD

Co-investigator, 2006–2008

Phase III, multicenter, masked, randomized, sham controlled trial to assess the safety and efficacy of DEX PS DDS (700 micrograms, 350 micrograms, or placebo) in the treatment of patients with diabetic macular edema

Co-investigator, 2006–2007

Protocol FVF3689g (SAILOR): A Phase IIIb, multicenter study to evaluate the safety and tolerability of ranibizumab in naïve and previously treated subjects with choroidal neovascularization (CNV) secondary to age-related macular degeneration (AMD)

Co-investigator, 2006–2007

A multi-center, double-masked, randomized, vehicle-controlled, parallel group evaluation of the safety and efficacy of OT-551 ophthalmic solution to prevent formation or delay progression of nuclear cataract formation in post-vitrectomy patients

Co-investigator, 2006–2007

Protocol FVF3426g (HORIZON): An open-label, multicenter extension study to evaluate the safety and tolerability of ranibizumab in subjects with subfoveal choroidal neovascularization (CNV) secondary to age related macular degeneration (AMD) who have completed the treatment phase of a Genentech-sponsored ranibizumab study

Co-investigator, 2006–2007

Natural history and registry study of macular telangiectasia (MacTel)

Co-investigator, 2005–

Ocular side effects of Cialis vs. Viagra vs. placebo

Co-investigator, 2005–2006

A 24-month randomized, double-masked, sham controlled, multicenter, phase IIIB study comparing photodynamic therapy with verteporfin (Visudyne[®]) plus two different dose regimens of intravitreal triamcinolone acetonide (1 mg and 4 mg) versus Visudyne[®] plus intravitreal pegaptanib (Macugen[®]) in patients with subfoveal choroidal neovascularization secondary to age-related macular degeneration

Co-investigator, 2005–2006

Cand5 Anti-VEGF RNAi Evaluation (CARE): Dose comparison of Cand5 for subfoveal choroidal neovascularization associated with wet age-related macular degeneration (Acuity Pharmaceuticals)

Co-investigator, 2005–2007

Phase III, multicenter, masked, randomized, sham controlled trial to assess the safety and efficacy of DEX PS DDS (700 micrograms, 350 micrograms, or placebo) in the treatment of patients with macular edema following central retinal vein occlusion or branch retinal vein occlusion

Co-investigator, 2005–2007

Interval Dose Evaluation of Anecortave Acetate (IDEAA) Study (Alcon)

Co-investigator, 2005–2008

An open label study for the evaluation of tolerability of four dose levels of Cand5 (RNA-interference) administered by single intravitreal injection in patients with wet age-related macular degeneration

Co-investigator, 2005–2007

The effect of ruboxistaurin on clinically significant macular edema in patients with diabetes mellitus, as assessed by optical coherence tomography

Co-investigator, 2005–

A randomized, double-masked, placebo controlled, parallel group, multi-center, dose-ranging study of denufosol tetrasodium (INS37217) intravitreal injection in subjects with rhegmatogenous retinal detachment

Co-investigator, 2004–2005

A Phase 1/2, randomized, masked, single and multiple-dose, sequential dose-escalation study of the safety and efficacy of AG-013958 in subjects with subfoveal choroidal neovascularization associated with age-related macular degeneration

Co-investigator, 2004–2006

Protein Kinase C β Inhibitor Study B7A-MC-MBDL. Reduction in the occurrence of center-threatening diabetic macular edema

Co-investigator, 2004–2010

Visudyne Patient Registry

Co-investigator, 2004–2007

Anecortave Acetate Risk-Reduction Trial (AART)

Co-investigator, 2004–2008

Protocol FVF2587g: a Phase III, multicenter, randomized, double-masked, active treatment-controlled study of the efficacy and safety of rhuFabv2 (ranibizumab) compared with verteporfin (Visudyne®) photodynamic therapy in subjects with predominantly classic neovascular age-related macular degeneration

Co-investigator, 2003–2006

The Implantable Miniature Telescope (IMT™) in patients with central vision impairment associated with age-related macular degeneration or Stargardt's macular dystrophy

Co-investigator, 2003–2005

Intravitreal Steroid Injection Studies (ISIS)

Co-investigator, 2002–2006

Oculex Study: A phase 2 randomized, multicenter, dose-ranging, controlled, parallel-group trial to assess the safety and effectiveness of dexamethasone posterior segment drug delivery system (DEX PS DDS®) in the treatment of persistent macular edema

Co-investigator, 2001–2003

Transpupillary thermotherapy for the treatment of subfoveal occult choroidal neovascular membranes in patients with age-related macular degeneration

Co-investigator, 2000–2004

Verteporfin in Age-related Macular degeneration (VAM) Study: Open-label, multicenter, safety study of the treatment of predominantly classic choroidal neovascularization secondary to age-related macular degeneration using photodynamic therapy with verteporfin for injection

Co-investigator, 1999–2000

Verteporfin in Photodynamic Therapy Study

Co-investigator, 1998–2003

Protein kinase C β inhibitor studies: Diabetic Macular Edema Study and Diabetic Retinopathy Study

Co-investigator, 1998–2002

Evaluation of safety and duration of efficacy of anecortave acetate sterile suspension versus placebo following a single sub-Tenon's injection for the inhibition of neovascularization in patients with exudative age-related macular degeneration

Co-investigator, 1998–2001

SELECTED PRESENTATIONS AT LOCAL, NATIONAL, AND INTERNATIONAL MEETINGS AND SYMPOSIA

1. Clinical update on Fovista. Optometric Retinal Update Seminar, Warren, Ohio, September 1, 2015.

2. Retinal emergencies. Optometric Retinal Update Seminar, Warren, Ohio, September 10, 2013.
3. Evaluation and treatment of retinal vein occlusion. Optometric Retinal Update Seminar. Beachwood, Ohio, March 25, 2010.
4. Retinal emergencies. Optometric Retinal Update Seminar, Beachwood, Ohio, February 18, 2009.
5. Retinal emergencies. Optometric Retinal Update Seminar, Youngstown, Ohio, September 18, 2008.
6. Interesting retinal vascular cases. Optometric Retinal Update Seminar, Beachwood, Ohio, February 21, 2008.
7. Role of anti-VEGF agents in retinal disorders. Optometric Retinal Update Seminar, Youngstown, Ohio, September 5, 2007.
8. Update on Lucentis and Avastin in the treatment of neovascular age-related macular degeneration. Optometric Retinal Update Seminar, Beachwood, Ohio, February 15, 2007.
9. Update on anti-VEGF therapies in age-related macular degeneration. Optometric Retinal Update Seminar, Beachwood, Ohio, September 25, 2006.
10. The role of anti-VEGF therapy for the treatment of exudative AMD. Association of Indian Physicians of Northern Ohio Continuing Medical Education Seminar, Cleveland, Ohio, April 15, 2006.
11. Retinal degenerations. Optometric Retinal Update Seminar, Beachwood, Ohio, February 9, 2006.
12. Hereditary vitreoretinal degenerations. University Hospitals of Cleveland Residents' Lecture, February 1, 2006.
13. Update on Visudyne therapy. Optometric Retinal Update Seminar, Boardman, Ohio, September 14, 2005.
14. The genetics of macular degeneration. Seminar on Age-related Macular Degeneration, Solon, Ohio. June 4, 2005.
15. Macugen for AMD: VISION study results and exploratory analysis. Meetings in Medicine CME Program, Albuquerque, New Mexico. May 20, 2005
16. Macugen for AMD: VISION Study results and exploratory analysis. Meetings in Medicine CME Program, Erie, Pennsylvania. May 3, 2005
17. S.D. Pendergast. Macugen for AMD: VISION Study results and exploratory analysis. Meetings in Medicine CME Program, Buffalo, New York. April 15, 2005

18. S.D. Pendergast. Vascular endothelial growth factor: its role in ocular disease and implications for therapeutic intervention. Case Western Reserve University / University Hospitals of Cleveland, Department of Ophthalmology Grand Rounds, March 2, 2005.
19. Macugen for age-related macular degeneration: two year results. Optometric Retinal Update Seminar, Beachwood, Ohio. February 15, 2005.
20. VEGF and its role in AMD: Implications for therapeutics. Meetings in Medicine CME Program, Albany, New York. January 11, 2005.
21. The role of vascular endothelial growth factor in ocular disease. Meetings in Medicine CME Program, Columbus, Ohio. November 15, 2004.
22. Intravitreal Kenalog injection for cystoid macular edema. Optometric Retinal Update Seminar, Youngstown, Ohio. October 6, 2004.
23. Intravitreal Kenalog injection for cystoid macular edema. Optometric Retinal Update Seminar, Westlake, Ohio. July 29, 2004.
24. Intravitreal steroid injection for refractory cystoid macular edema. 37th Panhellenic Ophthalmological Congress, Porto Carras – Chalkidiki – Greece. June 9–13, 2004
25. Management of vasoproliferative and neovascular ocular disorder: case studies. Optometric Retinal Update Seminar, Beachwood, Ohio. February 19, 2004.
26. Implantable Miniature Telescope (IMT™): an update. Cleveland Ophthalmological Society Meeting, Independence, Ohio. February 10, 2004.
27. Implantable Miniature Telescope (IMT™): an update. Optometric Retinal Update Seminar. Westlake, Ohio. August 2003.
28. New treatments for diabetic macular edema. Optometric Retinal Update Seminar, Beachwood, Ohio. February 2003.
29. Intravitreal injection of anti-angiogenic agents for age-related macular degeneration. Inaugural Lorain County Optometric Retinal Update, Lorain, Ohio. November 2002.
30. Update on diabetic retinopathy. Third Annual Diabetes Seminar, Community Health Partners of Lorain, Lorain, Ohio. November 15, 2002.
31. Update on Diabetic Retinopathy. Optometric Retina Update Seminar, Beachwood, Ohio. February 2002.
32. Diagnosis and management of subfoveal choroidal neovascularization in a child with Coats disease. Cleveland Ophthalmological Society Meeting, Independence, Ohio.
33. New horizons in the treatment of diabetic retinopathy. The Diabetes Expo, Richfield, Ohio. November 1999.

34. Retinal manifestations of systemic disease. Ohio Eye Alliance Winter Seminar, Alliance, Ohio. November 1999.
35. Vitrectomy for the treatment of subfoveal choroidal neovascularization. Retina Update Seminar, Cleveland, Ohio. May 1999.
36. Submacular surgery for subfoveal choroidal neovascularization associated with age-related macular degeneration. Biannual Macular Degeneration Symposium, Cleveland, Ohio. April 1999.
37. Update on vitrectomy for diffuse diabetic macular edema associated with a taut premacular posterior hyaloid. Cleveland Ophthalmological Society Meeting, Independence, Ohio. December 1998.
38. Vitrectomy and silicone oil tamponade for serous macular detachment associated with a congenital optic pit in a child. Cleveland Ophthalmological Society Meeting, Independence, Ohio. October 1998.
39. Vitrectomy for chronic pseudophakic cystoid macular edema. Club Vit Meeting, Vero Beach, Florida. April 1998.
40. Masquerade syndrome – vitreous amyloidosis. Cleveland Ophthalmological Society Meeting, Independence, Ohio. April 1998.
41. Lasers in the treatment of proliferative retinopathies. Eighth Annual Winter Eye Alliance, Canton, Ohio. February 1998.
42. Pendergast SD, Hassan T, Cox M, Williams GA, et al. Vitrectomy for diffuse diabetic macular edema associated with a taut hyaloid membrane. Retina Society, Vancouver, B.C. September 1997.
43. Pendergast SD, Shastry BS, Trese MT. Identification of missense mutations in the Norrie's disease gene in infants with advanced retinopathy of prematurity. Vitreous Society Meeting, Cancun, Mexico. December 1996.
44. Hassan T, Pendergast SD, Williams GA. Vitrectomy for diabetic macular edema associated with vitreomacular traction. Vitreous Society Meeting, Cancun, Mexico. December 1996.
45. Ferrone PJ, Pendergast SD, Hartzler MK. The effects of scleral buckling on baby rabbit eyes. Vitreous Society Meeting, Cancun, Mexico. December 1996.
46. Pendergast SD, Trese MT. Surgical management of familial exudative vitreoretinopathy. American Academy of Ophthalmology Meeting. October 29, 1996.
47. Pendergast SD, Shastry BS, Hartzler MK, Trese MT. Identification of a missense mutation in the Norrie's disease gene associated with advanced retinopathy of prematurity. William Beaumont Hospital, Research Forum. June 5, 1996.

48. Pendergast SD, Hartzler MK, Dailey W, Williams GA, Cheng M, Trese MT. Fluid-gas exchange following intravitreal plasmin injection in a rabbit model. ARVO Meeting, Fort Lauderdale, Florida. April 22, 1996.
49. Pendergast SD, McCuen BW II. Visual field loss following macular hole surgery. American Academy of Ophthalmology Meeting, Atlanta, Georgia. October 31, 1995.
50. Pendergast SD, Shields MB. Reproducibility of optic nerve head topographical measurements with the Glaucoma-Scope. ARVO Meeting, Sarasota, Florida. May 4, 1994.
51. Pendergast SD, McCuen BW II, Martin DF, Proia AD, Jaffe GJ. Removal of optic disc stalks during diabetic vitrectomy. Vitreous Society Meeting, St. Thomas, U.S. Virgin Islands, December 1, 1993.

PUBLICATIONS

Journal Articles

1. Chen Z, Miao F, Paterson AD, Lachin JM, Zhang L, Schones DE, Wu X, Wang J, Tompkins JD, Genuth S, Braffett BH, Riggs AD; DCCT/EDIC Research Group, Natarajan R. Epigenomic profiling reveals an association between persistence of DNA methylation and metabolic memory in the DCCT/EDIC type 1 diabetes cohort. *Proc Natl Acad Sci U S A*. 2016;113(21):E3002-11.
2. Lenherr SM, Clemens JQ, Braffett BH, Cleary PA, Dunn RL, Hotaling JM, Jacobson AM, Kim C, Herman W, Brown JS, Wessells H, Sarma AV; DCCT/EDIC Research Group. Glycemic control and urinary tract infections in women with type 1 diabetes: Results from the DCCT/EDIC. *J Urol*. 2016;196:1129-1135.
3. Sharma S, Toth CA, Daniel E, Grunwald JE, Maguire MG, Ying GS, Huang J, Martin DF, Jaffe GJ; Comparison of Age-related Macular Degeneration Treatments Trials Research Group. Macular morphology and visual acuity in the second year of the Comparison of Age-Related Macular Degeneration Treatments Trials. *Ophthalmology*. 2016;123:865-875.
4. Shah N, Maguire MG, Martin DF, Shaffer J, Ying GS, Grunwald JE, Toth CA, Jaffe GJ, Daniel E; Comparison of Age-related Macular Degeneration Treatments Trials Research Group. Angiographic cystoid macular edema and outcomes in the Comparison of Age-Related Macular Degeneration Treatments Trials. *Ophthalmology*. 2016;123:858-864.
5. AREDS2 Research Group, Al-Holou SN, Tucker WR, Agrón E, Clemons TE, Sperduto RD, Ferris FL 3rd, Chew EY. The association of statin use with cataract progression and cataract surgery: The AREDS2 Report Number 8. *Ophthalmology*. 2016;123:916-917.
6. Daniel E, Shaffer J, Ying GS, Grunwald JE, Martin DF, Jaffe GJ, Maguire MG; Comparison of Age-Related Macular Degeneration Treatments Trials (CATT) Research

- Group. Outcomes in eyes with retinal angiomatous proliferation in the Comparison of Age-Related Macular Degeneration Treatments Trials (CATT). *Ophthalmology*. 2016;123:609-616.
7. Eny KM, Orchard TJ, Miller RG, Maynard J, Grant DM, Costacou T, Cleary PA, Braffett BH, Paterson AD; DCCT/EDIC Research Group. Caffeine consumption contributes to skin intrinsic fluorescence in type 1 Diabetes. *Diabetes Technol Ther*. 2015;17:726-734.
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Abstracts

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Posters

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