

Kendra A. Klein-Mascia, M.D.

EDUCATION

Medical Retina and Electrophysiology Fellowship

New England Eye Center-Tufts University Medical Center, Boston, Massachusetts
July 2016-June 2017
Department of Ophthalmology, Retina and Vitreous

Residency

New England Eye Center-Tufts University Medical Center, Boston, Massachusetts
July 2013-July 2016
Department of Ophthalmology

Internship

Memorial Sloan Kettering Cancer Center, New York, New York
June 2012-June 2013
Department of Internal Medicine

Medical Doctor

University of Rochester School of Medicine and Dentistry, Rochester, New York
September 2008-May 2012

Post-baccalaureate

Bryn Mawr College, Bryn Mawr, Pennsylvania September
2007-May 2008
Concentration: Premedical Sciences

Bachelor of Science in Nursing, Summa Cum Laude

Stony Brook University School of Nursing, Stony Brook, New York
June 2006 -June 2007
Concentration: Nursing

Bachelor of Science, Summa Cum Laude

Hobart and William Smith Colleges, Geneva, New York
September 2002-May 2006
Concentrations: Psychology; French; International Relations
Studies abroad: Aix-en-Provence, France and Cape Town, South Africa

RESEARCH

Peer Reviewed Articles

Klein KA, Baupal CR, Reichel E. Lessons learned: laser retinopathy from a laser game toy. *Ophthalmology Retina*. In press, available online 14 June 2018.

Bakall B, Hariprasad SM, **Klein KA**. Emerging Therapy Treatments for Inherited Retinal Diseases. *Ophthalmic Surg Lasers Imaging Retina*. 2018 Jul 1;49(7):472-478.

Klein KA, Warren Alexis K, Baomal CR, Hedges III TR. Optical coherence Tomography Findings in Methanol Toxicity. *Int J Retina Vitreous*. 2017 Sep 25;3;36.

Klein KA, Cleary TS, Reichel E. Effect of Intravitreal Aflibercept on Recalcitrant Diabetic Macular Edema. *Int J Retina Vitreous*. 2017 Apr 3;3:16.

Klein KA, Azzoli CG, Rifkin LM. Bilateral Acute Simultaneous Onset Anterior Uveitis Presumed Secondary to Erlotinib: a Report of Two Cases. Accepted to *American Journal of Ophthalmology Case Reports*.

Muakkassa NW, **Klein KA**, Hamrah P, Reichel E. Subconjunctival Bevacizumab for the Treatment of Keratoprosthesis-Associated Cystoid Macular Edema. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Mar;47(3):276-9.

Muakkassa NW, Chin AT, de Carlo T, **Klein KA**, Baomal CR, Witkin AJ, Duker JS, Waheed NK. Characterizing the Effect of Anti-Vascular Endothelial Growth Factor Therapy on Treatment-Naïve Choroidal Neovascularization Using Optical Coherence Tomography Angiography. *Retina*. 2015 Nov;35(11):2252-9.

Klein KA, Lally DR, Taney LS, Laver NV, Duker JS. Retinal pigment epithelial adenocarcinoma presenting as an amelanotic mass. *Ophthalmic Surg Lasers Imaging Retina*. 2015;46:369-372.

Klein KA, Francis J, Abramson DH, Marr B, Dalecki P. Re: "lymphatic drainage patterns of the human eyelid: assessed by lymphoscintigraphy". *Ophthal Plast Reconstr Surg*. 2014 Mar-Apr;30(2):191-3.

Kaliki S, Arepalli S, Shields CL, **Klein KA**, Sun H, Hysenj E, Lally SE, Shields JA. Conjunctival papilloma: features and outcomes based on age at initial examination. *JAMA Ophthalmol*. 2013 May;131(5):585-93.

Klein KA, Pegoli W Jr, Lee YH. Transluminal migration of ingested foreign body without peritonitis. *J Pediatr Surg*. 2012 Apr;47(4):788-91.

Book chapters

Klein KA, Liang MC. "Anti-VEGF Therapy for Diabetic Eye Disease." In Caroline R. Baomal and Jay S. Duker (ed.), *Current Management of Diabetic Retinopathy*. Elsevier.

Muakkassa N, **Klein KA**, Reichel E. "Intravitreal Delivery." In Jay S. Duker and Michelle C. Liang (ed.), *Anti-VEGF Use in Ophthalmology: a detailed, up-to-date all-inclusive reference to anti-VEGF therapies used to treat ocular conditions*. SLACK Incorporated.

Klein KA, Hedges TR III. "OCT and Optic Disc Edema." In Andrzej Grzywowski and Piero Barboni (ed.), *OCT in Central Nervous System Diseases*. New York: Springer Publishing Company, Incorporated.

Professional Presentations

Klein KA, Duker JS (2016). Solitary Macular Choroiditis. Case presentation at The International Society for the Advancement of Medical Retina held in conjunction with the AAO Annual Meeting, Chicago, IL.

Klein KA, Rifkin LM (2015). Bilateral, simultaneous onset, anterior uveitis secondary to erlotinib. Paper presented at The American Uveitis Society Fall Meeting held in conjunction with the AAO Annual Meeting, Las Vegas, NV.

Poster Presentations

Muakkassa NW, Chin AT, **Klein KA**, Baumal CR, Witkin AJ, Duker JS, Waheed NK. "Characterizing the Effect of Anti-VEGF Injection on Choroidal Neovascularization Using Optical Coherence Tomography Angiography." Association for Research in Vision and Ophthalmology (ARVO), 2015: Denver, CO.

Klein KA, Hedges TR III, Mendoza-Santiesteban C. "Methanol causes highly selective retinal ganglion cell layer loss and inner nuclear layer microcysts." North American Neuro-Ophthalmology Society (NANOS), 2015: San Diego, CA.

Vuong LN, Hedges TR III, **Klein KA**, Laver NV, McCabe F. "An Atypical Presentation of Giant Cell Arteritis." North American Neuro-Ophthalmology Society (NANOS), 2015: San Diego, CA.

KA Klein, S Kaliki, E Hysenj, CL Shields. "Conjunctival Papilloma: Clinical features and outcomes in 70 consecutive patients." Association for Research in Vision and Ophthalmology (ARVO), 2012: Ft. Lauderdale, FL.

Manuscripts in Preparation

Klein KA, Cleary T, Reichel E. Effect of Intravitreal Aflibercept on Recalcitrant Diabetic Macular Edema.

Warren A, **Klein KA**, Hedges TRH, Baumal CB. Methanol toxicity causes inner nuclear layer microcysts.

Sub-Investigator in Clinical Trials

A Phase 4 Safety Study of IOP Signals in Patients Treated with ILUVIEN (Fluocinolone Acetonide Intravitreal Implant) 0.19 mg

PI: Elias Reichel, MD

Sponsor: Alimera

A Phase III, Multicenter, Randomized, Double-Masked, Sham-Controlled Study to Assess the Efficacy and Safety of Lampalizumab Intravitreally to Patients with Geographic Atrophy Secondary to Age-Related Macular Degeneration (Chroma)

PI: Andre Witkin, MD

Sponsor: Genentech/Roche

A Randomized, Double Masked, Placebo Controlled Study Evaluating ORACEA in Subjects with Geographic Atrophy Secondary to Non-Exudative Age-Related Macular Degeneration (TOGA)

PI: Andre Witkin, MD

Sponsor: University of Virginia

A 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 (ECLIPSE, OPH1002)

PI: Adam Rogers, MD

Sponsor: Ophthotec

CERTIFICATIONS/LICENSURES

Intralase Lasik and Enabled Keratoplasty certified Registered Nurse (RN), State of New York

MEMBERSHIPS/COMMITTEES

American Academy of Ophthalmology (AAO), current
Ophthalmology Political Action Committee (OPHTHPAC), current
Association for Research in Vision and Ophthalmology (ARVO), current
International Society for the Advancement of Medical Retina (ISAMR), current
American Medical Association (AMA), current
Editor, Ocular Surgery News, Grand Rounds Column, 2015-2016 Quality Improvement Committee, 2014-2015

HONORS AND AWARDS

University of Rochester School of Medicine and Dentistry

- Dr. Stephen L. Cohen '67 award

Stony Brook University School of Nursing

- Sigma theta tau

Hobart and William Smith Colleges

- Phi Beta Kappa
- Lenore K. Weinstein Social Service Scholarship
- Faculty Scholarship

VOLUNTEER SERVICES

The Sharewood Project

Tufts School of Medicine, Boston, MA

The Sharewood Project offers free, unscheduled ophthalmologic care to the medically underserved populations of the greater Boston area and is run by volunteer medical students and physicians affiliated with Tufts University School of Medicine.