

GEOFFREY EMERSON, MD, PHD

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PRESENT POSITIONS

Chief of Staff	Phillips Eye Institute
Assistant Adjunct Professor	Dept. of Ophthalmology, University of Minnesota
Vice-President	Retina Center of Minnesota
Board of Directors	American Society of Retina Specialists (ASRS)
Chair	Research & Safety in Therapeutics Committee, ASRS
Advisor	Dermatologic & Ophthalmic Drugs Advisory Committee, FDA

PAST POSITIONS

2012 - 2018	Board of Directors, Minnesota Academy of Ophthalmology
2013 - 2018	Councilor, American Academy of Ophthalmology
2014 - 2015	Chair of Ophthalmology, Phillips Eye Institute
2013	Vice-Chair, Phillips Eye Institute
2012	Chair, Pharmacy and Therapeutics Committee, Phillips Eye Institute

EDUCATION

2016, 2006	American Board of Ophthalmology , Board Certification
2007	Casey Eye Institute , Fellow, Retina-Vitreous Service
2005	Wilmer Eye Institute, Johns Hopkins , Resident, Dept. of Ophthalmology
2002	Hospital of Saint Raphael , Internship, Department of Internal Medicine
2001	Yale University School of Medicine MD, May 2001, <i>cum laude</i> PhD, Cellular and Molecular Physiology, May 2000
1995	Yale University , BS, Chemical Engineering, May 1995, <i>summa cum laude</i>

HONORS AND AWARDS

2015	Honor Award, American Society of Retina Specialists
2013	Secretariat Award, American Academy of Ophthalmology
2006	Ronald G. Michels Fellowship Award
2005	The Heed Ophthalmic Foundation Fellowship Award
2004	Julia A. Haller Resident Research Award
2004	Mitchell Prize for Resident Research
2002	Intern of the Year, Hospital of Saint Raphael
2001	M.D./Ph.D. Thesis Prize, Yale Medical School
2000	Gerhard H. Giebisch Prize in Physiology
1995	Chemical Engineering Senior Prize
1995	Four year letterman, Yale Varsity Swim Team
1994	Rhodes Scholar Finalist
1991	National Merit Scholar
1986	Eagle Scout

PEER-REVIEWED PUBLICATIONS

1. **Emerson GG**. Silicone Oil Droplets Are More Common in Fluid From BD Insulin Syringes As Compared To Other Syringes. *J VitreoRetinal Disease* (2017).
2. Kawali A, **Emerson GG**, Kumar Naik N, Sharma K, Mahendradas P, Rao N. Biopsy in Tuberculous Serpiginous like choroiditis – a case report. *JAMA Ophthalmol* (2017).
3. Hahn P, Schneider EW, Tabandeh H, Wong RW, **Emerson GG**; American Society of Retina Specialists Research and Safety in Therapeutics (ASRS ReST) Committee. Reported Complications Following Laser Vitreolysis. *JAMA Ophthalmol* (2017).
4. **Emerson GG**, Kim JE, Packo KH, and Flynn HW. Guidelines for Intraoperative Time-Out Before Corneal Scraping and Before Fluid-Air Exchange. *J VitreoRetinal Disease* (2017).
5. McFarland TJ, Rhoads AD, **Emerson GG**, Bhavsar AR, and Stout JT. Bevacizumab Levels in breast milk following Long-term Intravitreal Injections. *Retina* (2015).
6. Grinager HS, Lillemoe TS, Engel KC, and **Emerson GG**. Choroidal biopsy of a patient with AIDS and systemic tuberculosis: a clinicopathologic case report. *Ret Cases & Br Repts*, (2012).
7. Gupta S, **Emerson GG**, and Flaxel CJ. Recurrent Pseudomonas Aeruginosa endophthalmitis. *Ret Cases & Br Repts*, 4:11-13 (2010).
8. Yeh S, Cebulla CM, Witherspoon SR, **Emerson GG**, Emerson MV, Suhler EB, Albin TA, and Flaxel CJ. Management of fluocinolone implant dissociation during implant exchange. *Arch Ophthalmol*, 127: 1218-1221 (2009).
9. **Emerson GG**, Lim L, Smith JR, Yassin HM, Loriaux M, and Wilson DJ. Multicentric Castleman disease with ocular involvement: a clinicopathologic case report. *Ret Cases & Br Repts*, 3:197-199 (2009).
10. **Emerson GG**, Spencer GR, and Klein ML. Macular microholes. *Retina*, 27: 595-600 (2007).
11. **Emerson GG**, Flaxel CJ, Lauer AK, Stout JT, Emerson MV, Nolte S, Wilson DJ, and Klein ML. Optical coherence tomography findings during pegaptanib therapy for neovascular age-related macular degeneration. *Retina*, 27: 724-729 (2007).
12. Emerson MV, Lauer AK, Flaxel CJ, Wilson DJ, Francis PJ, Stout JT, **Emerson GG**, Schlesinger TK, Nolte SK, Klein ML. Intravitreal bevacizumab (Avastin) for neovascular age-related macular degeneration. *Retina*, 27: 439-444 (2007).
13. **Emerson GG**, Smith JR, Wilson DJ, Rosenbaum JT, and Flaxel CJ. Primary treatment of acute retinal necrosis with oral antiviral therapy. *Ophthalmology*, 113: 2259-2261 (2006).
14. **Emerson GG** and Ghazi NG. Spontaneous rip of the RPE with macular hole in neovascular age-related macular degeneration: a case report with ocular coherence tomography. *American Journal of Ophthalmology*, 140: 316-318 (2005).
15. **Emerson GG**. Extension of retinal hemorrhage into the vitreous of a shaken baby through a break in the internal limiting membrane. *Archives of Ophthalmology*, 122:792 (2004).
16. **Emerson GG**, Herndon, CN, and Sreih, AG. Thrombotic complications after intravenous immunoglobulin therapy in 2 patients. *Pharmacology*, 22:1638-41 (2002).

17. **Emerson GG** and Segal SS. Conduction of hyperpolarization along hamster feed arteries: augmentation by acetylcholine. *American Journal of Physiology*, 283:H102-9 (2001).
18. **Emerson GG** and Segal SS. Electrical activation of endothelial cells evokes conducted hyperpolarization and vasodilation in hamster feed artery. *American Journal of Physiology*, 280:H160-167 (2001).
19. **Emerson GG** and Segal SS. Direct electrical coupling between endothelial cells and smooth muscle cells in feed arteries of hamster retractor: role in vasomotor control. *Circulation Research*, 87:474-479 (2000).
20. **Emerson GG** and Segal SS. Vasodilation is conducted along endothelial cells of hamster retractor feed artery. *Circulation Research*, 86:94-100 (2000).
21. Sullivan KM, Kansu E, Storer B, Jocom J, **Emerson GG**, Reagan T, Emerson V, Siadak MF, Davis C, Appelbaum FR, Buckner CD, Hansen JA, Shulman HM, Storb R, and McDonald GB. Intravenous immunoglobulin and the risk of hepatic veno-occlusive disease after bone marrow transplantation. *Biology of Blood & Marrow Transplantation*, 4(1):20-6 (1998).
22. **Emerson GG** and Segal SS. Alignment of microvascular units along skeletal muscle fibers of hamster retractor. *Journal of Applied Physiology*, 82: 42 - 48 (1997).

INVITED PUBLICATIONS

1. **Emerson GG**. Keeping compounding pharmacies safe. *Minnesota Physician* (March 2014).
2. **Emerson GG**. New Regulations of compounded medicines mean fewer options at higher prices. *MinnPost* (Jan 2013).
3. Bhavsar AR, **Emerson GG**, Emerson MV, Jones JM. Incorporating compounding into your retina practice. *American Acad. of Ophthalmology Annual Meeting* (Toronto, 2013).
4. **Emerson GG**, Bhavsar AR, Emerson MV, Jones JM. Do-it-yourself sterile repackaging of bevacizumab in a retina clinic. *American Acad. of Ophthalmology Midyear Forum* (Washington DC, 2013).
5. **Emerson GG**, Emerson MV, and Bhavsar AR. An outbreak of staphylococcal endophthalmitis linked to contaminated bevacizumab. *American Society of Retina Specialists Annual Meeting* (Vancouver, BC, 2010).
6. Bhavsar AR, **Emerson GG**, Emerson MV, and Browning DJ. Chapter 3: Epidemiology of Diabetic Retinopathy, in *Diabetic Retinopathy: Evidence Based Management*, Browning DJ, editor; Springer (2010).
7. **Emerson GG**, Gehlbach PL, and Robertson JE. Chapter 335: Diffuse Unilateral Subacute Neuroretinitis, in *Current Ocular Therapy* 6th edition, Fraunfelder FT, editor; Elsevier (2007).
8. **Emerson GG**, Francis P, Wilson DW, and Garner A. Chapter 52: Vascular Disease, in *Pathobiology of Ocular Disease* 3rd edition, (2007).

9. **Emerson GG**, Harlan JB, Fekrat S, Lutty GA, and Goldberg MF. Chapter 78: Hemoglobinopathies, in Retina 4th edition, Ryan SJ, editor; Elsevier Mosby (2006).
10. Reddy S, Roe R, Cunningham ET Jr, Flaxel CJ, **Emerson GG**, and Ober M. Diagnostic and Therapeutic Challenges: A choroidal mass in a patient with AIDS. *Retina* 26: 954-9 (2006).
11. **Emerson GG** and Lutty GA. Effects of sickle cell disease on the eye: clinical features and treatment. *Hematology/Oncology Clinics of North America*, 19: 957-974 (2005).