

Peer Reviewed Publications

1. Gelman R, Smith RT, Tsang SH. Diagnostic accuracy evaluation of visual acuity and fundus autofluorescence macular geographic atrophy area for discrimination of Stargardt groups. *Retina*. 2016 Aug;36(8):1596-601.
2. Gelman R, Tsang SH. Sequential central retinal vein and ophthalmic artery occlusions in a pediatric case of primary antiphospholipid syndrome. *Retin Cases Brief Rep*. 2016 Winter;10(1):58-62.
3. Gelman R, Greenberg JP, Duncker T, Yannuzzi LA, Tsang SH. Hyperautofluorescent macular ring in a series of Enhanced S-cone patients. *Ophthalmic Surg Lasers Imaging Retina*. 2014 Nov 11;45(6):592-5.
4. Gelman R, Kiss S, Tsang SH. Multimodal imaging in a case of deferoxamine induced maculopathy. *Retin Cases Brief Rep*. Fall 2014.
5. Gelman R, Whitman MC, Horowitz J. Retinal vasculature remodeling in a case of systemic lupus erythematosus vasoocclusive retinopathy. *Retin Cases Brief Rep*. Winter 2013 8:77-82.
6. North V, Gelman R, Tsang SH. Juvenile-onset macular degeneration and allied disorders. *Dev Ophthalmol*. 2014;53:44-52.
7. Gelman R, DiMango EA, Schiff WM. Sequential bilateral central retinal vein occlusions in a cystic fibrosis patient with hyperhomocysteinemia and hypergamma-globulinemia. *Retin Cases Brief Rep*. Fall 2013 7:362-67.
8. Gelman R, Chen R, Blonska A, Barile G, Sparrow JR. Fundus autofluorescence imaging in a patient with rapidly developing scotoma. *Retin Cases Brief Rep*. Fall 2012 6:345-48.
9. Hoang QV, Tsuang AJ, Gelman R, Mendonca LS, Della Torre KE, Jung JJ, Freund KB. Clinical predictors of sustained intraocular pressure elevation due to intravitreal anti-vascular endothelial growth factor therapy. *Retina*. 2013 33(1):179-87.
10. Rao R, Jonsson NJ, Ventura C, Gelman R, Lindquist M, Casper DS, Chiang MF. Plus disease in retinopathy of prematurity: diagnostic impact of field of view. *Retina*. 2012 32(6):1148-55.
11. Myung JS, Gelman R, Aaker GD, Radcliffe NM, Chan RV, Chiang MF. Evaluation of vascular disease progression in retinopathy using static and dynamic retinal images. *Am J Ophthalmol*. 2012 Mar;153(3):544-551.
12. Gelman SK, Gelman R, Callahan AB, Martinez-Perez ME, Casper DS, Flynn JT, Chiang MF. Plus disease in Retinopathy of Prematurity (ROP): Quantitative analysis of standard published photograph. *Arch Ophthalmol*. 2010 Sep;128(9):1217-20.
13. Chiang MF, Gelman R, Martinez-Perez ME, Du YE, Casper DS, Currie LM, Shah PD, Starren J, Flynn JT. Image analysis for retinopathy of prematurity diagnosis. *J AAPOS*. 2009 Oct;13(5):438-45.

14. Chiang MF, Gelman R, Williams SL, Lee J, Casper DS, Martinez-Perez ME, Flynn JT. Plus disease in retinopathy of prematurity: Development of composite images by quantification of expert opinion. *Invest Ophthalmol Vis Sci*. 2008 Sep;49(9):4064-70. Epub 2008 Apr 11.
15. Chiang MF, Gelman R, Jiang L, Du YE, Martinez-Perez ME, Flynn JT. Plus disease in retinopathy of prematurity: an analysis of diagnostic performance. *Trans Am Ophthalmol Soc*. 2007;105:73-84.
16. Gelman R, Jiang L, Du YE, Martinez-Perez ME, Flynn JT, Chiang MF. Plus disease in retinopathy of prematurity: Pilot study of computer-based and expert diagnosis. *J AAPOS*. 2007 Dec;11(6):532-40.
17. Koreen S, Gelman R, Martinez-Perez ME, Jiang L, Berrocal AM, Hess DJ, Flynn JT, Chiang MF. Evaluation of a computer-based system for plus disease diagnosis in retinopathy of prematurity. *Ophthalmology*. 2007 Dec;114(12):e59-67.
18. Chiang MF, Jiang L, Gelman R, Du YE, Flynn JT. Inter-expert agreement of plus disease diagnosis in retinopathy of prematurity. *Arch Ophthalmol*. 2007 Jul;125(7):875-80.
19. Gelman R, Martinez-Perez ME, Vanderveen DK, Moskowitz A, Fulton AB. Diagnosis of plus disease in retinopathy of prematurity using Retinal Image multiScale Analysis. *Invest Ophthalmol Vis Sci*. 2005 Dec;46(12):4734-8.
20. Cantor MN, Sarkar IN, Gelman R, Hartel F, Bodenreider O, Lussier YA. An evaluation of hybrid methods for matching biomedical terminologies: mapping the gene ontology to the UMLS. *Stud Health Technol Inform*. 2003;95:62-7.
21. Sarkar IN, Cantor MN, Gelman R, Hartel F, Lussier YA. Linking biomedical language information and knowledge resources: GO and UMLS. *Pac Symp Biocomput*. 2003:439-50. Book Chapters 1. Cell-based Therapy for Retinal Degenerative Disease. Casaroli Marano, RP, Zarbin, MA (editors). Chapter: Juvenile-Onset Macular Degeneration and Allied Disorders. North, V, Gelman, R, and Tsang, SH. Karger 2014. 2. Stem Cell Biology and Regenerative Medicine in Ophthalmology. Tsang, SH (editor). Chapter 11: Stem Cell-Based Therapeutics in Ophthalmology: Application Toward the Design of Clinical Trials. Gelman, R and Tsang, SH. Springer 2012. ISBN 978-1-4614-5492-2. Non-peer Reviewed Publications 1. Gelman R, Tsang SH. Masqueraders of age-related macular degeneration. *Retina Today*. April 2011.