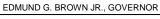


STATE BOARD OF OPTOMETRY

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Continuing Education Course Approval Checklist

Title:

Provider Name:

✓ Completed Application
Open to all Optometrists?
✓ Yes
✓ No
Maintain Record Agreement?
✓ Yes

Correct Application Fee

Detailed Course Summary

Detailed Course Outline

PowerPoint and/or other Presentation Materials

□Advertising (optional)

CV for EACH Course Instructor

☑License Verification for Each Course Instructor Disciplinary History? □Yes ☑No

Cashiering and Board Use Only			
Receipt #	Payor ID	Beneficiary ID	Amount
1-3204	6019072	618953	50.00

BUSINESS, CONSUMER SERVICES, AND HOUSING AGENCY



\$50 Mandatory Fee

Signature of Course Provider

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GOVERNOR EDMUND G. BROWN JR.

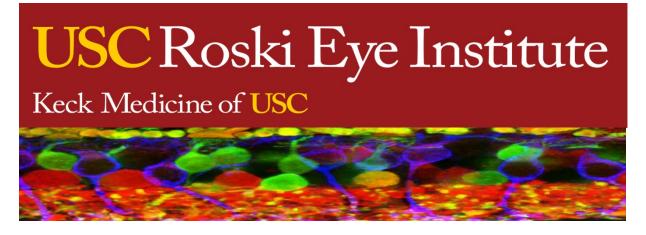
CONTINUING EDUCATION COURSE APPROVAL APPLICATION

Pursuant to California Code of Regulations (CCR) § <u>1536</u>, the Board will approve continuing education (CE) courses after receiving the applicable fee, the requested information below and it has been determined that the course meets criteria specified in CCR § 1536(g).

In addition to the information requested below, please attach a copy of the course schedule, a detailed course outline and presentation materials (e.g., PowerPoint presentation). Applications must be submitted 45 days prior to the course presentation date.

Please type or print clearly.						
Course Title		Course Presentation Date				
OCT in Glaucoma		04/08/2017				
Соц	Course Provider Contact Information					
Provider Name						
Amy	Atondo					
(First) Provider Mailing Address	(First) (Last) (Middle)					
Frovider Maining Address						
Street 1450 San Pablo St. City Los Angeles State CA Zip 90033						
Provider Email Addressamy.atondo@med.usc.edu						
Will the proposed course be open to all California licensed optometrists?						
Do you agree to maintain and furnish to the Board and/or attending licensee such records of course content and attendance as the Board requires, for a period of at least three years from the date of course presentation?						
Course Instructor Information Please provide the information below and attach the curriculum vitae for <u>each</u> instructor or lecturer involved in the course. If there are more instructors in the course, please provide the requested information on a separate sheet of paper.						
Instructor Name						
Grace	Richter	Marie				
(First)	(Last) (I		Viddle)			
License Number A115137		License Type MD				
Phone Number (323) 442-6372		Email Address grace.richter@med.usc.edu				
I declare under penalty of perjury under the laws of the State of California that all the information submitted on this form and on any accompanying attachments submitted is true and correct.						
C		3/6/2017				

Date



Dear Colleague:

Please join us for our FREE 3 HOUR Glaucoma CE by Drs. Sahar Bedrood, MD, PhD, Alena Reznik, MD and Grace Richter, MD, MPH on April 8, 2017. We invite you to participate in this specialty 3 hour continuing education (CE) lecture. We will have a Q & A after each Lecture. Lectures include:

08:00am – 08:30am	Registration and Continental Breakfast
08:30am – 08:40am	Welcom and Introduction by Dr. Alena Reznik
08:40am – 09:40am	OCT in Glaucoma by Dr. Grace Richter
09:40am – 10:40am	Biomechanical Glaucoma Damage By Dr. Sahar Bedrood
10:40am – 10:55am	Break
10:55am – 11:55am	Suprachoroidal Space by Dr. Alena Reznik

USC Roski Eye Institute 1450 San Pablo St. 3rd Floor Conference Room Los Angeles, CA 90033

Free registration is provided for your convenience.

RSVP acceptance or regrets to Amy Atondo at amy.atondo@med.usc.edu Should you have any questions or require additional information, please call 323-442-6372.

The Keck School of Medicine of the University of Southern California designates this lecture for a maximum of 3 CE credits. Registrar and Administrator for the Optometry Portion is California State Board of Optometry.



Grace Richter, MD, MPH



Sahar Bedrood, MD, PhD



Alena Reznik, MD

Department of Ophthalmology * USC Eye Institute Keck School of Medicine * University of Southern California



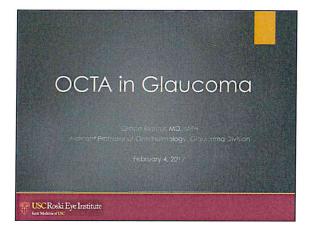
OCTA in Glaucoma CE Info

Summary:

The purpose of this lecture is to introduce the audience to optical coherence tomography angiography and how this technology is applicable to the diagnosis and management of glaucoma. Case examples of typical glaucoma patients and the patterns of glaucomatous defects to be watching for will be discussed in detail. In addition, the current literature on OCTA in glaucoma will be reviewed. Additionally, case examples demonstrating how OCTA supplemented OCT diagnosis for glaucoma will be presented. Finally, the vascular mechanisms thought to underly glaucoma will be discussed as well as how OCTA will help us to understand those mechanisms.

Outline:

- I. What is optical coherence tomography angiography?
- II. Normal and Glaucomatous OCTA images and case examples
- III. Review of Literature on OCTA in glaucoma
- IV. How does OCTA supplement OCT in glaucoma diagnosis
- V. uveitic glaucoma case example
- VI. non-glaucomatous optic neuropathy case example
- VI. How OCTA will help us understand the vascular mechanisms underlying glaucoma



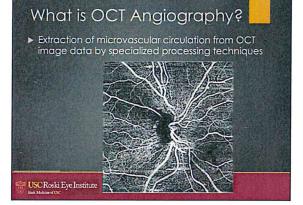
Financial disclosures

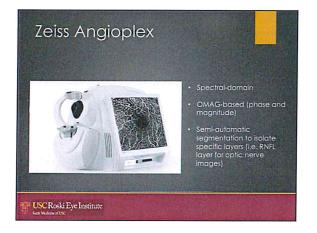
Outline

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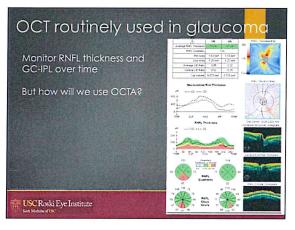
- OCTA:
- ► Applied to routine glaucoma cases
- Applied to diagnostic dilemmas
- ► Future directions

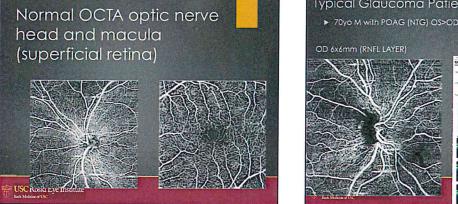
USCRoski Eye Institute

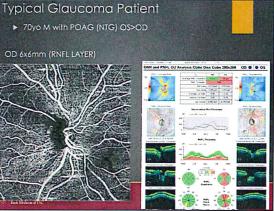


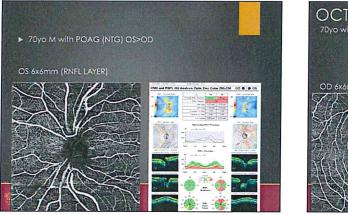


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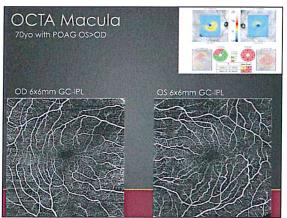


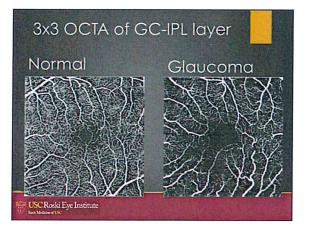


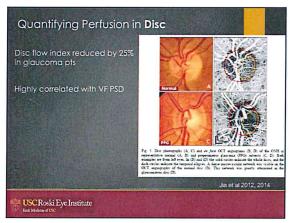


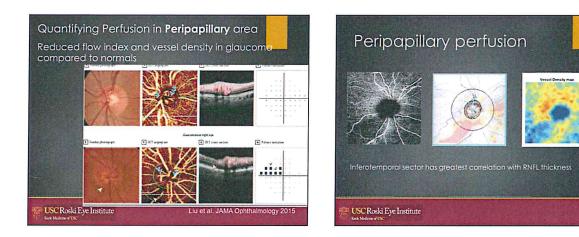


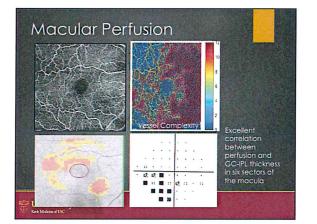
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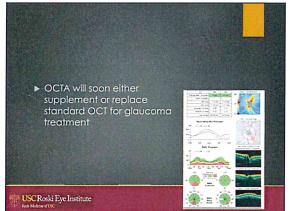








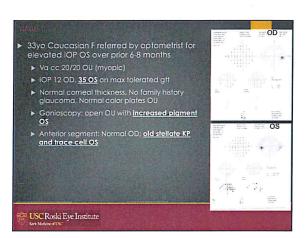


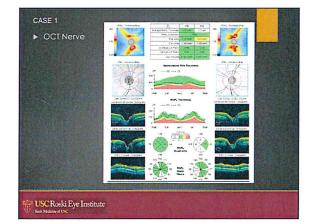


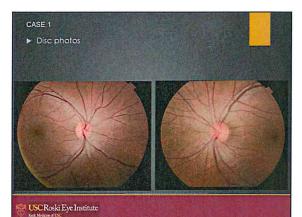
What does OCTA currently offer to glaucoma practice?

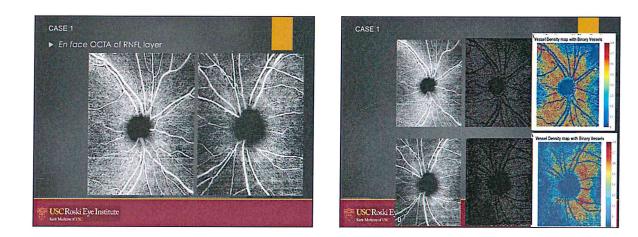
- Case 1: Uveitic glaucoma with gliotic "hyperemic" nerve
- Case 2: Normal tension glaucoma second opinion

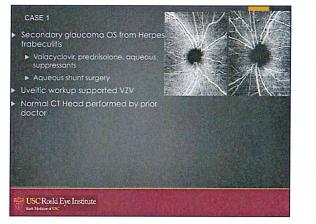
WSC Roski Eye Institute



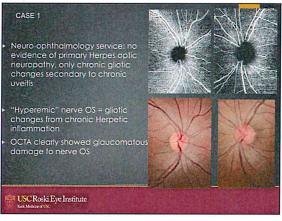




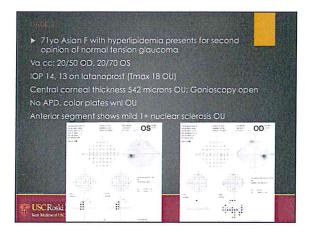


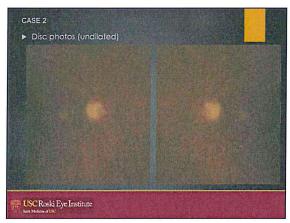


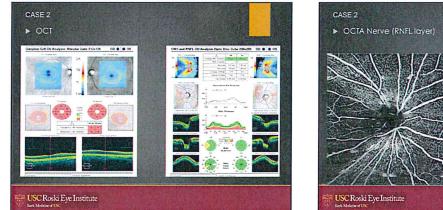
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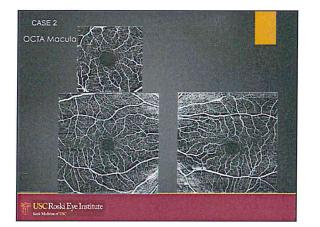
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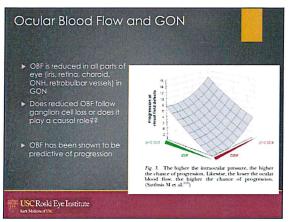




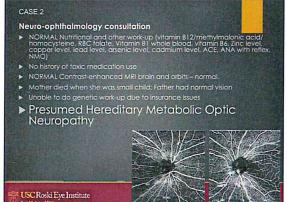


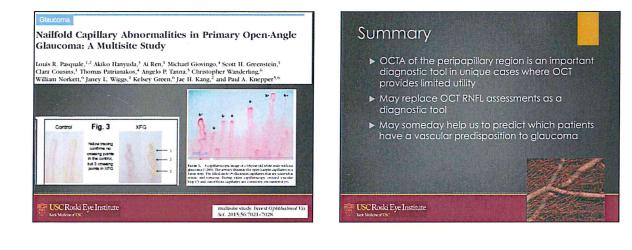














CURRICULUM VITAE GRACE MARIE RICHTER DECEMBER 9, 2016

PERSONAL INFORMATION:

τ.

Work

Home

USC Eye Institute Keck Medicine of USC 1442 Virginia Ave Glendale, CA 91202

1450 San Pablo St. Ste. 4700 Los Angeles, CA 90033 (323) 442-6421 office (323) 442-6412 fax

Citizenship: USA Email: grace.richter@med.usc.edu

EDUCATION AND PROFESSIONAL APPOINTMENTS

EDUCATION: 2000-2004 Summa Cum Laude, Bachelor of Arts, Chemistry (Biochemistry concentration) and International Studies, Washington University in St. Louis 2003 University of Ghana, Legon, Study Abroad (International Studies coursework, Public Health Internship) 2007-2008 Masters of Public Health, Columbia University Mailman School of Public Health, New York 2004-2009 Doctor of Medicine, Columbia University College of Physicians and Surgeons, New York POST-GRADUATE TRAINING:

2009-2010 Internship, Internal Medicine

- St. Mary's Medical Center Long Beach, CA
- 2010-2013 Residency, Ophthalmology University of Southern California/LAC+USC Medical Center, Doheny Eye Institute Los Angeles, CA
- 2013-2014 Assistant Chief of Service ("Chief Resident") LAC+USC Medical Center Los Angeles, CA
- 2014-2015 *Glaucoma Fellowship* Jules Stein Eye Institute, University of California, Los Angeles Fellowship Director: Joseph Caprioli, MD

11/2014 Received American Board of Ophthalmology Certification

ACADEMIC APPOINTMENTS:

1

2015-Present Assistant Professor

Ophthalmology, USC Eye Institute, Los Angeles, CA

Honors, Awards:

2017	Top Doctors- Super Doctors
2016-2017	American Glaucoma Society Mentoring for the Advancement of Physician-Scientists Award
2015-2016	American Glaucoma Society Mentoring for the Advancement of Physician-Scientists Award
2014-2015	Heed Ophthalmic Foundation Fellowship
2012	Doheny Eye Institute Ophthalmic Knowledge Award
2012	Doheny Eye Institute ARVO Travel Grant
2011	Doheny Eye Institute Ophthalmic Knowledge Award
2011	Doheny Eye Institute ARVO Travel Grant
2009	National Eye Institute ARVO Travel Grant
2008	Baylor Pediatric AIDS Initiative Visiting Scholar Travel Grant
2007-2008	Wyman Merit Scholarship in Public Health at Columbia University
2005-2007	Louis and Rachel Rudin Scholar at Columbia University
2005	NIH Summer Research Fellowship at Columbia University
2004	Phi Beta Kappa Honor Society
2004	Sigma Xi Scientific Honorary
2000-2004	Washington University Arts and Sciences Scholar
2002	Howard Hughes Medical Institute Undergraduate Research Grant at Washington University
2001-2003	Charles E. Thoele Scholarship, St. Joseph's Medical Center, Hot Springs, Arkansas
2000-2004	Robert C. Byrd Scholar, Arkansas Department of Education

TEACHING

USC Eye Institute

2015-Present Conduct regular glaucoma lectures for fellows, residents, and medical students, as well as wetlabs for fellow and residents

LAC+USC Medical Center

2013-2014 Assistant Chief of Service ("Chief Resident") Resident supervisor at County Hospital – Led daily morning rounds, conducted weekly Ophthalmology Fundamentals Lectures, staffed clinic and operating room daily, administrative leader for ophthalmology at LAC+USC and for residency program, performed complex anterior segment cases for LAC

Columbia University College of Physicians and Surgeons 2005-2008

Washington University in St. Louis

2003-2004 General Chemistry II Laboratory (3 units) Teaching Assistant Conducted weekly lectures and oversaw 25-student laboratory section

SERVICE

Department of Ophthalmology, Keck School of Medicine of USC

- Organizer and Master of Ceremonies for USC Eye Institute Glaucoma Continuing Medical Education Conference, March 2016
- Moderator and Master of Ceremonies for USC Department of Ophthalmology Clinical Case Conference Day; January 2014.
- Graduate Medical Education Committee Member; USC Doheny, Department of Ophthalmology. 2011-2013

Association for Research in Vision and Ophthalmology (ARVO)

- Moderator for ARVO Poster Session: Cataract. May 7, 2012.
- Moderator for ARVO Paper Session: Cataract, Anterior Segment, and Trachoma. May 2011.
- Moderator for ARVO Poster Session: Cornea and Anterior Segment. May 2011.

Columbia University, College of Physicians and Surgeons

- Co-president, Ophthalmology Interest Group, March 2007- May 2009.
- Co-president, Columbia P&S Chapter of AMA, 2005-2006.
- Volunteer teacher, General Chemistry MCAT preparation course for disadvantaged premedical undergraduate students. Summer 2005.

- Teacher for *Student Success Network,* second year medical students' organization to aid first year students, 2005-2006.
- Volunteer, Columbia Student Medical Outreach (CoSMO). Student-run free health clinic, Washington Heights, NYC, 2004-2005.

PROFESSIONAL SOCIETY MEMBERSHIPS:

2008-Present Association for Research in Vision and Ophthalmology (ARVO)

- 2012-Present American Academy of Ophthalmology (AAO)
- 2013-Present American Glaucoma Society (AGS)
- 2010-Present Los Angeles Society of Ophthalmology (LASO)

RECENT OPHTHALMOLOGY COMMUNITY OUTREACH PROJECTS:

Year-Year	Position	Organization/Institution, City,	Role or Activity
October 2015	Surgeon	Taveuni Eye Project, Fiji (100+ manual small incision cataract surger (MSICS) over 2 weeks)	
March 2014 November 2013	Surgeon Surgeon	El Fuerte, Sinaloa, Liga International, Flying Doctors of Mercy (4-da of eye screening and 20 MSICS cases) Taveuni Eye Project, Fiji (100+ MSCIS and pterygia over 2 weeks)	

RESEARCH AND SCHOLARSHIP

MANUSCRIPT REVIEW PANEL:

Year-YearJournal2015-PresentOphthalmology

PUBLICATIONS:

REFEREED JOURNAL ARTICLES:

- Richter GM, Zhang X, Francis B, Chopra V, Greenfield D, Varma R, Schuman JS, Huang D for
- the Advanced Imaging Glaucoma Study Group. Regression analysis of optical coherence tomography disc variables for glaucoma diagnosis. *Journal of Glaucoma*. 2016, Feb 19.
- **Richter GM**, Coleman AL. Current status and future prospects: Minimally Invasive Glaucoma Surgery. *Clinical Ophthalmology*. 2016;10:189-206.
- **Richter GM**, Choudhury F, Torres M, Azen SP, Varma R; Los Angeles Latino Eye Study Group. Risk factors for Incident Cortical, Nuclear, Posterior Subcapsular, and Mixed Lens Opacities: The Los Angeles Latino Eye Study. *Ophthalmology*. 2012;119:2040-7.
- **Richter GM**, Torres M, Choudhury F, Azen SP, Varma R; Los Angeles Latino Eye Study Group. Risk factors for [Prevalent] Cortical, Nuclear, Posterior Subcapsular, and Mixed Lens Opacities: The Los Angeles Latino Eye Study. *Ophthalmology*. 2012;119:547-54.

- Varma R, **Richter GM**, Torres M, Foong AW, Choudhury F, Azen SP; Los Angeles Latino Eye Study Group. Four-Year Incidence and Progression of Lens Opacities: The Los Angeles Latino Eye Study. *American Journal of Ophthalmology*. 2010;149:728-34.
- **Richter GM**, Chung J, Azen SP, Varma R; Los Angeles Latino Eye Study Group. Prevalence of visually significant cataract and factors associated with unmet need for cataract surgery: Los Angeles Latino Eye Study. *Ophthalmology*. 2009;116:2327-35.
- **Richter GM**, Sun G, Lee TC, Chan RV, Flynn JT, Starren J, Chiang MF. Speed of Telemedicine Vs Ophthalmoscopy for Retinopathy of Prematurity Diagnosis. *American Journal of Ophthalmology*. 2009;148:136-42.
- **Richter GM**, Williams SL, Starren J, Flynn JT, Chiang MF. Telemedicine for Retinopathy of Prematurity Diagnosis: Evaluations and Challenges. *Survey of Ophthalmology*. 2009;54:671-85.
- Chiang MF, Wang L, Kim D, Scott K, **Richter G**, Kane S, Flynn J, Starren J. Diagnostic performance of a telemedicine system for ophthalmology: advantages in accuracy and speed compared to standard care. *AMIA Annu Symp Proc.* 2010;13:111-5.
- Gaut JP, Yeh GC, Tran HD, Byun J, Henderson J, **Richter GM**, Brennan M, Lusis A, Belaaouaj A, Hotchkiss RS, Heinecke JW. Neutrophils employ the myeloperoxidase system to generate antimicrobial brominating and chlorinating oxidants during sepsis. *Proceedings of the National Academy of Sciences*. 2001;98:11961-6.

REFEREED REVIEWS, CHAPTERS, AND EDITORIALS:

- **Richter GM**, Coleman AL. How does subconjunctival filtration affect intraocular pressure fluctuation? Sidebar submitted to book, *Minimally Invasive Glaucoma Surgery: the Science and the Practice. Editors: In Press.*
- Williams SL, **Richter GM**, Chiang MF. Telemedicine and Retinal Imaging for Retinopathy of Prematurity Management. In: Azad R, ed. *Retinopathy of Prematurity.*

RESEARCH ABSTRACTS AND PRESENTATIONS:

- Wong BJ, Varma R, Patel V, West D, Puliafito C, Kashani AH, Richter GM. Anatomic correlations between optical coherence tomography angiography microvasculature defects and ganglion cell analysis thinning in glaucomatous and non-glaucomatous optic neuropathy. Pending acceptance. To be presented at Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting; May 2016; Seattle, WA.
- **Richter GM**, Koulisis N, Reznik A, Puliafito C, Varma R, Kashani AH. Anatomic correlations between focal peripapillary perfusion defects on OCT angiography and nerve fiber layer thinning in primary open angle glaucoma. Accepted. To be presented at American Glaucoma Society Meeting; March 2016; Fort Lauderdale, FL.
- **Richter GM**, Zhang X, Francis B, Chopra V, Greenfield D, Varma R, Schuman JS, Huang D for the Advanced Imaging Glaucoma Study Group. Regression analysis of optical coherence tomography disc variables for glaucoma diagnosis [presentation]. Presented at: American

Academy of Ophthalmology Annual Meeting; 2013 November 17; New Orleans, LA. Also presented at Doheny Days Annual Conference June 2013

- •
- Richter GM, Patel S, Gupta M, Bach D, Fou L, Sadda S. Outcomes of Focal Laser for Diabetic Macular Edema at Los Angeles County Medical Center [presentation]. Presented at: Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting; 2013 May; Fort Lauderdale, FL. Also presented at: Doheny Days Annual Conference June 2012.
- Rodger D, **Richter GM**, Nazari H, Rao N, Perivascular fundus autofluorescence abnormalities in autoimmune retinopathy. Presented at Association for Research in Vision and Ophthalmology (ARVO), 2013 May; Fort Lauderdale, FL.
- Richter GM, Wu C, Torres M, Azen SP, Varma R. Four-year incidence of cataract surgery and associated risk factors in the Los Angeles Latino Eye Study [poster]. Presented at: Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting; 2012 May; Fort Lauderdale, FL. Also presented at: Doheny Days Annual Conference June 2011.
- Richter GM, Choudhury F, Torres M, Azen SP, Varma R. Risk factors for Incident Cortical, Nuclear, Posterior Subcapsular, and Mixed Lens Opacities: The Los Angeles Latino Eye Study [presentation]. Presented at: Association for Research in Vision and Ophthalmology Annual Meeting; 2011 May 5; Fort Lauderdale, FL.
- **Richter GM**, Chung, Azen SP, Varma R. Risk factors for Incident Cortical, Nuclear, Posterior Subcapsular, and Mixed Lens Opacities: The Los Angeles Latino Eye Study [presentation]. Presented at: Association for Research in Vision and Ophthalmology Annual Meeting; 2009 May; Fort Lauderdale, FL.
- **Richter GM**, Bateman DA, Flynn JT, Chiang MF. Accuracy of Vermont Oxford Network database for retinopathy of prematurity data [poster]. Presented at: Association for Research in Vision and Ophthalmology Annual Meeting; 2008 Apr 28; Fort Lauderdale, FL.
- Chan RVP, Yonekawa Y, Sun G, Williams SL, **Richter GM**, Chiang MF, Lee TH. Advances in the Management of Retinopathy of Prematurity [presentation]. Aspen Retinal Detachment Society Meeting; 2-6 March 2008; Aspen, Colorado.
- Cheng SS, **Richter GM**, Flood PD. The Effect of Nicotine on Chronic Pelvic Pain [abstract]. In: American Society of Anesthesiologists Annual Meeting; 13-17 Oct 2006; San Francisco, CA.
- Richter GM, Flood PD. Effect of Nicotine on Chronic Pelvic Pain [presentation]. At: NIH / Columbia College of Physicians and Surgeons Summer Research Fellowship Symposium; 2005 Aug; New York, NY.
- **Richter GM**; Bergt C, Heinecke JW. Potential role of matrix metalloproteinases in degrading high-density lipoprotein *in vivo* [poster]. Presented at: Howard Hughes Medical Institute / Washington University Research Symposium; 2002 Sept 21; St. Louis Missouri.
- **Richter GM**, Gaut JP, Heinecke JW. Identification of Novel Peroxidases *In Vivo*. [presentation]. Presented at: Washington University Pre-freshmen Biology Summer Scholars Symposium; 2000 Aug; St. Louis, Missouri.