

8/14/2019

**Amani A. Fawzi, M.D., M.Sc., D.Sc.**  
**Cyrus Tang and Lee Jampol Professor of Ophthalmology**  
**Professor, Feinberg School of Medicine at Northwestern University**

Business Address: Department of Ophthalmology, Northwestern University,  
Feinberg School of Medicine  
645 N. Michigan Ave. Suite 440  
Chicago, IL 60611

Business Phone: 312-908-8152

E-Mail: afawzimd@gmail.com

**EDUCATION**

High School German Evangelical High School, Cairo, Egypt, 1986

Medical School Cairo University Medical School, Egypt, MB, BCh, 1986-1992

**TRAINING**

Internship Rotating Internship, Cairo University Hospitals, 1993-1994

Residency Ophthalmology, Cairo University Hospitals, 1994-1997

Fellowship Research and Medical Retina, Jules Stein Eye Institute, UCLA, 1998-2000

Internship General Surgery, UCLA, 2000-2001

Residency Ophthalmology, Jules Stein Eye Institute, UCLA, 2001-2004

Fellowship Vitreoretinal disease and surgery, Doheny Retina Institute, USC, 2004-2006

**LICENSURE/CERTIFICATION:**

Licensure Egypt, 1993  
California, 2001 (Certificate A-80549)  
Illinois, 2011

Board Certification Egyptian Board of Ophthalmology, 2000 (D.Sc.)  
American Board of Ophthalmology, 2006

Languages Fluent (written and spoken) Spanish, German and Arabic.

**ACADEMIC APPOINTMENTS:**

Professor of Ophthalmology (tenured), Retina Division, Department of Ophthalmology, Northwestern University, Feinberg School of Medicine, 9/2017-date

Associate Professor of Ophthalmology, Retina Division, Department of Ophthalmology, Northwestern University, Feinberg School of Medicine, 1/2012-2017

Assistant Professor of Ophthalmology, Retina Division, Doheny Eye Institute, Keck School of Medicine, University of Southern California, 2006- 12/2011

Visiting Assistant Professor of Ophthalmology, Retina Division, Jules Stein Eye Institute, UCLA, 1998-2000

Assistant Lecturer of Ophthalmology, Faculty of Medicine, Cairo University 1997-1998

### **HOSPITAL APPOINTMENTS:**

Northwestern Memorial Hospital 2012-date

University of Southern California Medical Center 2004-2011

Los Angeles County-USC Medical Center 2004-2011

Hollywood Presbyterian Hospital 2004-2007

University of California Medical Center 2000-2004

West Los Angeles Veterans Affairs Medical Center 2000-2004

Harbor UCLA Medical Center 2000-2004

Olive-View UCLA Medical Center 2000-2004

### **HONORS AND AWARDS:**

Appointed as the Cyrus Tang and Lee Jampol Professor of Ophthalmology, November 2016

Named as a member of "Ocular Surgery News 150". This is a select group of retina specialists recognized as leading innovators in the field of medical and surgical retina. August 7, 2016

Honor Award: American Society of Retina Specialists, 2016

Recognized by Northwestern GME for Excellence in Mentorship: Area of Scholarly Interest. 2015-2016

Deborah Iverson Lectureship, Kresge Eye Institute, November 2014

Marquis Who's Who List 2013-date

American Academy of Ophthalmology Achievement Award, September 2014.

Thomas J. Pettit Lectureship, Jules Stein Eye Institute, June 2014

Best Doctors in America; 2013-date, elected by peers

Super Doctors in Chicago, 2013-2014, selected by peers

Top Doctors in Chicago, 2012, selected by peers.

Top Doctors in Pasadena, 2009 and 2010, selected by peers.

Examiner for the American Board of Ophthalmology, 2009-date

Award for Excellence in Resident Teaching, Department of Ophthalmology, University of Southern California, 2009

*Top Doctors* in San Gabriel Valley in the *Pasadena* Magazine, 2008-2009. Selected by peers

James H. Zumberge Individual Faculty Award, University of Southern California, 2008

Award for Excellence in Ophthalmic Surgery, Jules Stein Institute, UCLA, 2004

B. Simpson Resident Award for Outstanding Performance, Jules Stein Eye Institute, UCLA, 2004

Highest Honors, D.Sc., Ophthalmology, Cairo University, 2000

Highest Honors, M.Sc., Ophthalmology, Cairo University, 1997

Scholarship for highest grades in Spanish, Madrid, Instituto Cervantes, 1992

Highest Honors, MBBCh, Cairo University, top 1 % of class, 1992

## **PROFESSIONAL ORGANIZATIONS**

### **Local**

Member, Chicago Ophthalmologic Society 2012-date

Chicago Ophthalmologic Society/Illinois Society Eye Physicians and Surgeons: Annual Meeting Program

Committee co-Chair, 2016-Date

Member, Illinois Society of Eye Physicians and Surgeons 2013-date

Member, Pacific Coast Oto-Ophthalmological Society, 2008-2011

*Program Committee and Council Member, 2008-2012*

Member, California Academy of Ophthalmology, 2004-2011

Member, Los Angeles Eye Society, 2008-2011

### **National**

Member, American Academy of Ophthalmology, 1998-date

Member, Association for Research in Vision and Ophthalmology 2001-date

*Annual Meeting Program Committee, Retina: 2016-2019*

Member, American Society of Retina Specialists, Member, 2007-date

Member, Women in Ophthalmology Society, Member, 2007-date

*Nominations Committee, 2010-11*

Elected to the Retina Society, May 2011.

*Member of the Fellowship Awards Committee, 2018-*

Elected to the Macula Society, November 2012.

*Member of Bylaws Committee, 2015-2017*

Founding Executive Board Member of the International Ocular Circulation Society 2018-

*Retina Program Committee Chair*

Elected as Member of the American Ophthalmological Society, 2019-

## **PROFESSIONAL ACTIVITIES:**

### **INSTITUTIONAL SERVICE:**

Northwestern University, MD-PhD Selection Committee. 2014-date

Doheny Eye Institute, University of Southern California, Graduate Medical Education Committee, 2006-2011

Medical Director, Electrophysiology Laboratory at the Doheny Eye Institute 2006-2011

## TEACHING

### Continuing Medical Education and Educational Courses

Meeting Co-organizer: OCT Angiography Summit, October 14<sup>th</sup> 2016, Chicago, Illinois.

Co-Director: Advances in Ocular Imaging: Department of Ophthalmology, Feinberg School of Medicine, Northwestern University, September 2015

Senior Instructor: White dots, spots and plaques: making sense of the inflammatory retinal lesions. Annual Meeting of the American Academy of Ophthalmology, 2014, 2015, 2016.

Course Co-Instructor: OCT-Based Diagnosis Annual Meeting of the American Academy of Ophthalmology: 2015, 2016.

Co-Director: Association of Ocular Circulation Meeting, Chicago, Illinois, September 4-5<sup>th</sup> 2014.

Co-Director: Recent Advances in Ocular Imaging: Department of Ophthalmology, Feinberg School of Medicine, Northwestern University, September 2013

Co-Director, Los Angeles Imaging Conference for Retina Specialists 2007-2011

Co-Instructor, "Fourier-domain optical coherence tomography in retinal diseases," *American Academy of Ophthalmology Annual Meeting*, New Orleans, LA, November 10-13, 2007

Co-Instructor, "Fourier-domain optical coherence tomography in retinal diseases," *American Academy of Ophthalmology Annual Meeting*, Atlanta, GA, November 8-11, 2008

Co-Instructor, "Fourier-domain optical coherence tomography in retinal diseases," *American Academy of Ophthalmology Annual Meeting*, San Francisco, October 24-27, 2009

Course co-Director of "*Recent Advances in Imaging and Therapies: Retina & Glaucoma Perspective*," Doheny Eye Institute, University of Southern California, 2010

## TRAINEES

### Thesis Committee Member

Benjamin Thomson, Northwestern University, DGP, 2015-2017

Brian Soetikno, Northwestern University MSTP, 2014-18

Lisa Backmann, Northwestern University BME, 2015-

### Graduate Student Preceptorship

*Brian Soetikno, FSOM, MSTP, Northwestern University, 2014-date (ARVO travel award 2015), Ruth Kirschstein NRSA T31 fellowship award. Co-mentored with Hao F.Zhang, PhD (BME, NU)*

### International Research Fellows

*AlaaEldin Fayed, MD, Cairo University 2017-2018*

*Gabor Deak, MD, Vienna University 2017-2018*

*Mohamed Ashraf MD, Alexandria University 2016-2017*

*Fakhry Alathamneh MD, Jordan Military Hospitals, 2016-2017*

*Ayman Elnahry, MD Cairo University, 2016*

*Philipp Roberts, MD, Vienna University, 2016-2017*

*Fabio Scarinci, MD, Bietti Foundation, Rome 2014-2015*

*Marion Munk, MD, Vienna University, 2013-2014*

*Tarek Hemeida, MD, Alexandria University, 2008-2009*

### **Clinical & Surgical Training of Fellows**

*William Carroll, MD 2017-2019*

*Ria Desai, MD 2017-2018*

*Jeff Liu, MD 2016-2017*

*Ilya Leskov, MD, PhD 2016-2018*

*Komal Joshi, MD 2015-2016*

*Pooja Garg, MD 2015-2017*

*Ryan Ridges, MD 2014-2015*

*Alan Sheyman, MD 2014-2016*

*Ruchi (Doshi) Amin, MD 2013-2014*

*Camille Palma, MD 2013-2015*

*Joshua Fernandes, MD 2012-2014*

*Shabari Bhat, MD, 2012-2013*

*Samira Khan, MD, 2012-2013*

*Chirag Jhaveri, MD, 2012-2013*

*David Wu, MD, PhD, 2010-2012*

*John Hwang, MD, MBA, 2010-2012*

*Leo Kim, MD, PhD, 2009-2011*

*Hani Salehi-Had, MD, 2009-2011*

*Michael Javaheri, MD, 2008-2010*

*Elliott Sohn, MD, 2008-2010*

*Julie Gasperini, MD, 2007-2009*

*Tom O'Hearn, MD, MSc, 2007-2009*

*Jennifer Chao, MD, PhD, 2007-2009*

*Richard Scartozzi, MD, 2006-2008*

*Todd Klesert, MD, PhD, 2006-2007*

*Rizwan Bhatti, MD, 2006-2007*

### **Resident & Fellow Physician Research Preceptorship**

*Michael Heiferman, MD Northwestern ophthalmology resident 2016-2019*

*Mahsa Sohrab, MD, Northwestern ophthalmology resident 2012- (ARVO Travel Award 2012)*

*Partho Kalyani, MD, Research Fellow, UCLA/USC 2009-2010*

*Jesse Berry, MD, USC ophthalmology resident, 2009-2012*

*Grant Lee, MD, USC ophthalmology resident, 2009-2012 (ARVO travel award 2010)*

*Alex Huang, MD, PhD, USC ophthalmology resident, 2009-2012*

*Leo Kim, MD, PhD, USC Vitreoretinal Fellow, 2009-2011*

*Hani Salehi-Had, MD, USC Vitreoretinal Fellow, 2009-2011*

*Tarek Hemeida, MD, Research fellow, Alexandria University, Egypt, 2008- 2009*

*Hoai-Ky Ho, MD, USC ophthalmology resident, 2007-2010 (ARVO travel award 2009)*

*Julie Gasperini, MD, USC Vitreoretinal Fellow, 2007-2009*

*Tom O'Hearn, MD, USC Vitreoretinal Fellow, 2007-2009*

*Jennifer Chao, MD, PhD, USC Vitreoretinal Fellow, 2007-2009*

*Aaron Kuzin, USC ophthalmology resident, 2005-2008*

### **Resident Physician Academic Preceptorship**

*Michael Heiferman MD, Northwestern University, 2016-*

*WanWan Xu, MD, Northwestern University, 2012-2015*

*Dilraj Grewal, MD, Northwestern University, 2012- 2015*

*Safa Rahmani, MD, Northwestern University, 2012- 2014*

*Mahsa Sohrab, MD, Northwestern University, 2012- 2014*

*Mohamed Gendy, MD, Northwestern University, 2012- 2013*

*Jesse Berry, MD, USC ophthalmology resident, 2009-2012*

*Cesar Briceno MD, USC ophthalmology resident, 2008-2011*

*Anne Baranano MD, USC ophthalmology resident, 2008-2011*

*Ying Pan MD, USC ophthalmology resident, 2006-2009*

*Nahyoung Grace Lee MD, USC ophthalmology resident, 2007-2010*

*Lauren Patty, MD, USC ophthalmology resident, 2007-2010*

*Elma Kim MD, USC ophthalmology resident, 2007-2010*

### **Medical Student Research Supervision**

*Andrew Geng, FSOM, Northwestern U, 2017-*

*Christopher Chung, FSOM, Northwestern University, 2016-*

*Stephanie Yi Zhang, FSOM, Northwestern University, 2016-*

*Alison Szabo, FSOM, Northwestern University, 2015-*

*Alex Onishi, FSOM, Northwestern University, 2015-*

*Matthew Nguyen, FSOM, Northwestern University, 2015-2016*

*Daniel Colon, FSOM, Northwestern University, 2015-2016. Medicine Residency, Loyola U 2018-*  
*Justin Park, FSOM, Northwestern University, 2014-date. Ophthalmology Residency UCLA, 2019-*  
*Sabrina Kaplan, FSOM, Northwestern University, 2014-2015*  
*Sheena Khanna, FSOM, Northwestern University, 2014-2016. Ophthalmology Residency: Loyola U.*  
*2019-*  
*Liza Cohen, FSOM, Northwestern University, 2013-2015. Ophthalmology Residency: MEEI. 2016-*  
*Michael Heiferman, FSOM, 2013-2015. Ophthalmology Residency: FSOM Northwestern U, 2016-*  
*Brianna Knoll, FSOM, Northwestern University, 2013-date*  
*Russell Huang, FSOM, Northwestern University, 2013-2016. Ophthalmology Residency, FSOM*  
*Northwestern U, 2018-*  
*William Chang, FSOM, Northwestern University, 2013-2016. Anesthesia Residency, U. Mich 2018-*  
*Joel Kaluzny, FSOM, Northwestern University, 2013-2016 (Lee Jampol Award FSOM 2017)*  
*Ophthalmology Residency: OHSU. 2018-*  
*Ronil Shah, Texas Tech University, 2013-2016. Psychiatry Residency, Colorado U. 2018-*  
*Joseph Simonett, FSOM, Northwestern University, 2012-2016 (Lee Jampol Award FSOM 2016).*  
*Ophthalmology Residency, OHSU 2017-*  
*Jonathan Chou, FSOM, Northwestern University, 2012-2014. Ophthalmology Residency, MEEI*  
*2015-2018*  
*Marie Brenner, Loyola University, 2012-2013. Ophthalmology Residency, Loyola University.*  
*Danielle Lo, NYU medical School, 2011-2016*  
*Brandon Wong, KSOM, USC 2011-2013. Ophthalmology Residency, University of Southern*  
*California. (ARVO/NEI travel award 2012).*  
*Adam Hauch, KSOM, USC 2010-2011. Tulane University Surgery Resident.*  
*John Xie, KSOM, USC 2010-2011, UCI Ophthalmology Resident*  
*Scott Honowitz, USC 2010-2011, Currently Radiology Resident.*  
*Mahsa Sohrab, Columbia University 2009-2010. Assistant Professor Ophthalmology, Yale University*  
*Neeta Varshney, UCLA 2009-2010. Ophthalmology Private Practice, Southern California*

**Undergraduate Student Research and Academic Supervision**

*Jessica Song, Northwestern University 2018-date (HPME student)*  
*Sahej Singh Samra, Northwestern University 2017-date (HPME student)*  
*Sonali Dasgupta, Northwestern University 2012-2014, currently, Industry.*  
*Annie Wang, USC 2009-2012 (Rose Hills Summer Research Award Recipient, 2010), Medical*  
*Student USC, KSOM*  
*Bryant Khoo, USC 2009-2011, currently Medical Student USC, KSOM*  
*Danielle Lo, Brown University, May 27-August 30, 2010, currently Ophthalmology Resident, NYU*

**High-School Interns:***Jacob Woods, July 2017**Bernadette Miao, July-August 2017**Katherine Wu, Troy High School, July-September 2011.***EDITORIAL RESPONSIBILITIES**

Editor, Scientific Reports, Nature Publishing. 2015-

Associate Editor, Retina Journal, Lippincott Williams and Wilkins Publishers, 2016-

**EXTRAMURAL MEMBERSHIP**

Ad Hoc NIH Study Section reviewer:

Special emphasis panel ZRG1 ETTN-N (55), VAM, December 5th, 2018

NEI, ZRG1 BDCN J (81) Oct 22-23, 2018

Special emphasis panel (SEP) ZRG1 BDCN-Q (55), Washington DC, March 9, 2018

Biomarker Studies for Diagnosing Alzheimer's Disease and Predicting Progression (ETTN-E 55)  
March 16<sup>th</sup>, 2017

NEI, Diseases and Pathophysiology of the Visual System (DPVS), San Diego, Feb 16-17, 2017

Biomarker Studies for Diagnosing Alzheimer's Disease and Predicting Progression (ETTN-E 55)  
October 20, 2016

NEI, Diseases and Pathophysiology of the Visual System (DPVS), June 20-21, 2016

Biomarker Studies for Diagnosing Alzheimer's Disease and Predicting Progression (ETTN-E 55)  
March 17, 2016

NEI, Diseases and Pathophysiology of the Visual System (DPVS), June 24-25, 2015

NEI, Diseases and Pathophysiology of the Visual System (DPVS), October 26-27, 2015

NEI, ZRG1-BDCNH, Special Emphasis Panel, March 18, 2014

NINDS, Rare Diseases Special Emphasis Panel, ZNS1 SRB-S (52), August 23, 2011

Reviewer for Ontario Research Fund, Ontario, Canada, November 2009

**Industry:**

Ad-hoc Consultant for Boehringer Ingelheim, Inc

Ad-hoc Consultant for Merck Pharmaceuticals

Ad-hoc advisor for Allergan Pharmaceuticals

Ad-hoc consultant for Carl Zeiss Meditec

**Think-Tank Conferences:**



Tenth Annual Beckman Initiative Macular Research Conference, Irvine, CA, April 2018

Eighth Annual Beckman Initiative Macular Research Conference, Irvine, CA, Jan 14-16 2016.

Fifth Annual Beckman Initiative Macular Research Conference, Irvine, CA, Jan 2013.

### ***JOURNAL REVIEW RESPONSIBILITIES***

British Journal of Ophthalmology, American Journal of Ophthalmology, JAMA ophthalmology (Formerly Archives of Ophthalmology), Ophthalmology Journal, Retina Journal, Retinal Cases and Brief Reports, Investigative Ophthalmology and Visual Sciences, Graefe's Archives of Clinical and Experimental Ophthalmology, Journal of Ophthalmic Infections and Inflammation, Journal of Biomedical Optics, Ocular Immunology and Inflammation, Current eye research, ACS Nano, Ocular Surgery, Lasers and Imaging, PloS one, Scientific Reports.

### **GRANT AWARDS**

#### **Research Grants, Active**

#### **Direct cost over grant period**

#### ***Functional Retinal Imaging to Monitor Pharmaco-Therapies in Diabetic Retinopathy***

1DP3DK108248-01 (MPI: **Fawzi**, Zhang)

9/30/15 – 9/29/19

NIH/NIDDK

\$1,300,000

#### **Role: Principal Investigator**

Our overall goal is to use visible light optical coherence tomography (vis-OCT) to predict and understand the response to intravitreal antiVEGF pharmaco-therapy in DR by revealing their effect on the retinal metabolic rate of oxygen (MRO<sub>2</sub>).

#### **Research Grants, Pending**

#### ***Exploring the angiogenesis to fibrosis transition in ischemic retinopathy***

1R01EY030121-A1 (**Fawzi**)

4/1/20 – 3/31/25

NIH/NEI

\$1,250,000

#### **Role: Principal Investigator**

This proposal aims to examine the mechanistic and biological pathways that underlie the transition from angiogenesis to fibrosis in end-stage ischemic proliferative retinopathies. The proposal builds on our first-of-its-kind rodent model that develops traction detachment in the setting of angiogenesis and

fibrosis. The experimental plan capitalizes on innovative experiments using transgenic mouse models to validate the role of endothelial-to-mesenchymal transition in this pathological and devastating process.

***Dysregulation of the neurovascular transcriptome in neonatal oxygen retinopathy***

1R21EY030666-A1 (Fawzi) 4/1/20 – 3/31/22  
NIH/NEI \$275,000

**Role: Principal Investigator**

This proposal aims to examine the transcriptional regulation of hyaloid regression and its disruption in the setting of oxygen-related neonatal retinopathies. These studies will identify new therapeutic targets to impact the hyaloid and retinal vascular pathology in neonatal retinopathies.

**Research Grants, Past**

**Direct cost over grant period**

***Manipulating cGMP to Impact Vascular Development in Neonatal BPD and ROP***

1R21HD 077336-01 NICHD (MPI: Fawzi, Farrow) 7/01/2014 – 6/30/2016  
(No-cost extension 6/30/2017)

Role: Principal Investigator \$436,000

This proposal aims to study the safety and efficacy of an oral drug to prevent severe eye and lung vascular diseases that occur in premature babies given oxygen in the neonatal ICU. Success of this proposal will lead to a non-invasive treatment that can prevent both blindness and death in these premature babies.

***Multimodal Retinal Functional Imaging for Diabetic Retinopathy***

1 R01EY019951-01A1 (MPI: Fawzi, Jiao and Zhang) 3/1/2011 – 2/29/2017  
NEI/NIDDK \$ 2,105,494

**Role: Principal Investigator**

The major goal of this project is to develop and validate a novel multimodal functional imaging technology (optical coherence/Doppler and photoacoustic ophthalmoscopy) to image retinal blood flow and oximetry, simultaneously, *in vivo*.

***Hyperspectral Imaging of the Normal and Age-related Macular Degeneration Fundus***

1 R01 EY021470-01 (MPI: Fawzi and Smith) 4/1/2011 – 3/31/2015  
(No-cost extension 3/31/2016)

NEI \$ 2,956,604

**Role: Principal Investigator**

The major goal of this project is to use a novel approach with hyperspectral imaging to provide *in vivo* molecular probing of age-related macular degeneration lesions, which will be validated with donor eye correlations.

***Platform for long-term Delivery of Anti-Angiogenic Peptides for Intravitreal Treatment of Neovascular Eye Disease***

The Macula Society June 2013- June 2014

**Role: Principal Investigator \$15,000**

***Early Detection of Alzheimer's Disease Through Non-Invasive Ocular Imaging***

The Eleanor Wood-Prince Grants Initiative: A Project of The Woman's Board of Northwestern Memorial Hospital Sept 2012- Sept 2014

**Role: Principal Investigator \$25,000**

***Role of Forkhead Transcription Factors in Retinal Angiogenesis***

Illinois Society for the prevention of blindness Sept 2012-Sept 2013

Role: Principal Investigator \$3,000

***Snapshot Hyperspectral Imaging in Ophthalmology* (Fawzi, PI) 6/2006-6/2008**

Reichert, Inc

Role: Principal Investigator \$100,000

***The Use of Ultrasound to Enhance Drug Delivery to Ocular Tumors* (Fawzi, PI)**

Zumberge Individual Faculty Research Award 7/2008-7/2011

University of Southern California

Role: Principal Investigator \$31,000

***A multidisciplinary approach to characterizing drusen and amyloid structures: a translational pathway for AMD therapy* (Chiu, PI)**

Arnold and Mabel Beckman Initiative for Macular Research 2010-2011

Role: Co-Investigator \$25,000

**INVITED LECTURES:**

**Named Lectureships:**

1. Paul Sternberg Lecture, Emory University, March 2020.
2. Deborah Iverson Lectureship. Kresge Eye Institute, Detroit Michigan, November 12<sup>th</sup>, 2014.
3. Thomas Pettit Distinguished Guest Lecture. Jules Stein Eye Institute, UCLA. June 13<sup>th</sup>, 2014.

**International**

1. Invited Speaker, MaculART meeting, Paris, June 2019

2. Invited Speaker, Egyptian Vitreoretinal Society Meeting, April 2019
3. Organizer and Invited Speaker, 6<sup>th</sup> Annual International OCTA meeting, Rome, December 2018
4. Invited Speaker, International Society of Eye Research, Belfast, September 2018
5. Invited Speaker, World Ophthalmology Congress, Barcelona, June 2018
6. Invited Speaker, Brazilian Retina Society Annual Meeting, Iguazu Falls, April 2018
7. Invited Speaker, 5<sup>th</sup> Annual International OCTA meeting, Rome, December 2017
8. Invited Speaker, OCT Angiography BDEC/RCC Meeting, Cairo, September 21/22, 2017
9. AntiVEGF Course: EuRetina, Barcelona, September 8<sup>th</sup>, 2017
10. Pan American Association of Ophthalmology (PAAO). Lima, Peru/ Aug 9-12, 2017.
11. Department of Ophthalmology: Guest Lecturer Cairo University School of Medicine, Cairo, Egypt. December 26-27, 2016.
12. Invited Speaker, 4<sup>th</sup> Annual International OCTA meeting, Rome, December 2016
13. OCT Angiography: Asia-Pacific Academy of Ophthalmology, Taipei, Taiwan. March 24-27, 2016
14. Update on the White dot Syndromes: Asia-Pacific Academy of Ophthalmology, Taipei, Taiwan. March 24-27, 2016
15. Debate: Pro Fundus Autofluorescence Imaging in Dry AMD. World Ophthalmology Congress, Guadalajara, Mexico. February 5, 2016.
16. OCT Angiography of the three retinal capillary networks. Third International En Face OCT Meeting, Rome, Italy; December 13<sup>th</sup>, 2015.
17. The forefront of novel OCT-based vascular imaging. 12<sup>th</sup>. International Conference in Advanced Retinal Teaching (ART) 2015 of the Medical University Vienna, December 5<sup>th</sup>, 2015
18. Reticular Pseudodrusen versus Subretinal Drusenoid Deposits. Fondation Bietti, Rome, October 2-4 2015.
19. Multimodality Imaging and OCT Angiography in Retinal Diseases. Advances in International Vitreous and Retinal Grand Rounds. Nanchang city, China. May 16<sup>th</sup>, 2015.
20. Imaging the normal choroid: Macula of Paris Meeting, Paris, France, January 9<sup>th</sup>, 2015.
21. Recent Advances in multimodal retinal Imaging: Annual Alumni Research Day, Ophthalmology Dept, Cairo University, December 26<sup>th</sup>, 2014
22. En Face OCT to predict vision in cystoid macular edema, Second International En Face OCT Meeting, Rome, Italy; December 13<sup>th</sup>, 2014.
23. Multimodal imaging, what does it and why does it matter. Advanced Retinal Therapy Meeting, Vienna, Austria November 29<sup>th</sup>, 2014.
24. En Face OCT of the choroid in Age-related Macular Degeneration, First International En Face OCT Meeting, Rome, Italy December 13<sup>th</sup>, 2013.

25. Doppler OCT for imaging of Retina Blood Flow, Asia Pacific VitreoRetinal Society, Nagoya, Japan, December 6<sup>th</sup>, 2013
26. Drug Delivery in Macular Edema. Cairo University, Department of Ophthalmology, Annual Alumni Day, Cairo, Egypt, December 23<sup>rd</sup>, 2011
27. Uveitis Update. National Eye Institute, Rod el Farag, Cairo, Egypt. 12/28/2011.
28. Hyperspectral Imaging in Ophthalmology, International Congress of Eye Research XVIII, Beijing, China, September, 25<sup>th</sup>, 2008
29. Hyperspectral Imaging: A New Retina Oxygen Camera, World Ophthalmology Congress, Hong Kong, China, July 1<sup>st</sup>, 2008

### **National**

1. Transformational Ophthalmology. Invited Speaker, New York Eye and Ear Infirmary. September 16<sup>th</sup>, 2017
2. Invited Speaker, OCT Angiography Summit, OHSU, Portland, OR, July 22, 2017
3. OCT Angiography in Diabetic Retinopathy: What Have We Learned? 48<sup>th</sup> Annual Doheny Days, Los Angeles, CA, June 10<sup>th</sup>, 2017
4. Invited Speaker, 10<sup>th</sup> Annual Retina Symposium, UIC, Chicago, IL, March 10-11
5. Invited Panelist: World Retina Congress, Fort Lauderdale, February 24-27
6. Invited Speaker: Milwaukee Ophthalmological Society Meeting, Jan 26, 2016
7. Visiting Professorship: Visible-Light OCT imaging of retinal metabolism *in vivo*: Do photoreceptors rely on the retinal circulation for oxygen? Emory University, Department of Ophthalmology, Atlanta, Georgia, Jan 20, 2017
8. Invited Faculty Speaker, 16<sup>th</sup> annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, August 26-28, 2016
9. Invited Faculty, 7<sup>th</sup> Annual Massachusetts Eye and Ear Infirmary Vitrectomy Course, Boston, Massachusetts. July 29-30, 2016
10. Visiting Professorship: Visible-Light OCT imaging of retinal metabolism *in vivo*: Do photoreceptors rely on the retinal circulation for oxygen? Mayo Clinic, Department of Ophthalmology, Rochester Minnesota, June 9<sup>th</sup> 2016.
11. Plaquenil Screening update. University of Illinois, Chicago, Ninth Annual Retina Symposium, April 22, 2016
12. Multimodal Imaging of Diabetic macular ischemia: OCT angiography, AOSLO and visible-OCT. University of Illinois, Chicago, Ninth Annual Retina Symposium, April 22, 2016

13. Reticular pseudodrusen versus subretinal drusenoid deposits: insights from multimodality retinal imaging and OCT angiography. Spring Vision Science Research Symposium. University of Wisconsin, Madison Research Symposium. Madison, April 1, 2016.
14. Plaquenil Screening Pearls and Pitfalls, Annual Meeting of the Illinois Society of Eye Physicians and Surgeons/Chicago Ophthalmologic Society. Chicago, March 11, 2016
15. Ischemia of the deep capillary plexus is associated with photoreceptor disruption in diabetic macular ischemia. Macula 2016 and Atlantic Coast Retina Club, January 8-9, New York
16. Visiting Professorship: Visible light OCT imaging of retinal metabolism in vivo: insights into rodent oxygen induced retinopathy. Department of Ophthalmology, University of Washington, Seattle
17. Adaptive Optics SLO technology: Where are we headed? 15<sup>th</sup> annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, August 28-29th, 2015
18. Invited Faculty, 6<sup>th</sup> Annual Massachusetts Eye and Ear Infirmary, Boston, Massachusetts. July 31st - Aug 1st, 2015
19. OCT Angiography of the three retinal capillary networks. OCT Angiography Summit, Oregon Health Sciences University, Portland, Oregon, July 25<sup>th</sup>, 2015.
20. Visiting Professor, Department of Ophthalmology, University of California, San Francisco. White Dots and Spots: Insights from Multimodal Retinal Imaging. January 29th, 2015
21. Imaging in AMD. University of Illinois, Chicago, Eighth Annual Retina Symposium, March 13<sup>th</sup>, 2015
22. Retinal Blood flow Imaging. University of Illinois, Chicago, Eighth Annual Retina Symposium, March 13<sup>th</sup>, 2015
23. Translational insights from animal models of retinal ischemia. Vision Science Seminar, University of Illinois Chicago, December 16<sup>th</sup>, 2014.
24. Doppler OCT: Functional imaging of blood flow. 14<sup>th</sup> annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, July 25th-26th, 2014
25. Enface OCT Findings in AMD and Reticular Pseudodrusen. 14<sup>th</sup> annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, July 25th-26th, 2014
26. Doppler OCT imaging of blood flow in uncontrolled diabetics: Effect of Panretinal Photocoagulation. Annual Meeting of the Association of Ocular Circulation, Chicago, IL. September 5<sup>th</sup>-6<sup>th</sup>, 2014
27. Autofluorescence Retinal Imaging. University of Illinois, Chicago, Seventh Annual Retina Symposium, April 11th, 2014
28. Update on Screening for Plaquenil. University of Illinois, Chicago, Seventh Annual Retina Symposium, April 11<sup>th</sup>, 2014
29. Multimodal imaging, where are we now? Invited Professor, Department of Ophthalmology Medical College of Wisconsin, Milwaukee, Wisconsin. October 2nd, 2013

30. Invited Faculty, Fourth Annual Massachusetts Eye and Ear Infirmary Vitrectomy Course, Boston, Massachusetts. July 19-20th, 2013.
31. Update on Retinal Imaging. University of Illinois, Chicago, Sixth Annual Retina Symposium, March 22nd, 2013.
32. Acute Macular Neuroretinopathy: New Insights. International Retinal Imaging Symposium. UCLA, Los Angeles, California, February 26th, 2013.
33. Retina Update for General Ophthalmologists. Kaiser Annual Symposium, Orange County, California, September 8th, 2012.
34. Retinal Blood flow in people with Human immunodeficiency Virus Disease. Annual meeting of the Association of ocular circulation, Portland, Oregon, July 14th 2012.
35. New Imaging Techniques in the Diagnosis and Management of Age related macular degeneration, Diabetic Retinopathy & Vein Occlusions. Chicagoland Midwest Retina Update 2nd Annual Meeting, Chicago, May 19th 2012
36. Advances in Retinal Imaging. Annual Meeting of the Pacific Coast Ophthalmology Otolaryngology Society, June 24-28th, 2011.
37. State-of-the Art in management of Diabetic Retinopathy. Annual Meeting of the Pacific Coast Ophthalmology Otolaryngology Society, June 24-28th, 2011.
38. Recent Advances in Management of Diabetic Macular Edema. Doheny Eye Institute/USC, Los Angeles, CA, April, 2011
39. Functional Retinal Imaging. Ophthalmology Grand Rounds & Visiting Professor/Guest Lecture Series, Scheie Eye Institute, University of Pennsylvania, Philadelphia. November 18th, 2010
40. Functional Retinal Imaging in Health and Disease. Annual Fall Alumni Symposium; Advances in Ocular Imaging. Medical College of Wisconsin. Milwaukee, Wisconsin. November 6, 2010
41. Retina Imaging Workshop. Annual Meeting of the Pacific Coast Ophthalmology Otolaryngology Society, June 23-27th, 2010.
42. Approach to Anti-VEGF Tachyphylaxis in Age-Related Macular Degeneration. Doheny Eye Institute/USC, Los Angeles, CA, May, 14th, 2010
43. Recent Advances in Imaging and Therapies: Retina & Glaucoma Perspective. Course Co-Director: Doheny Eye Institute/USC, Los Angeles, CA, May, 14th, 2010
44. Acute Macular Neuroretinopathy. Western Retina Study Club Marines Memorial Club and Hotel, San Francisco, CA, March, 19-20th, 2010.
45. Does Cataract Surgery Lead to Progression of Age Related Macular Degeneration? Women in Ophthalmology Summer Symposium, San Diego, CA, August 08th, 2009
46. High-Speed High Resolution OCT, Course Tutor, American Academy of Ophthalmology, San Francisco, CA, 2009

47. Doppler OCT in Retinal Disease: Retinal blood flow detection in diabetic patients with Doppler Fourier Domain OCT. University of Southern California, Doheny Days Conference, June, 2009
48. Recent advances in retinal imaging. Annual meeting of the Pacific Coast Ophthalmology and Otolaryngology Society, Hawaii, June 23, 2009
49. Drug Delivery in retinal vascular disease. University of Illinois, Chicago, second annual symposium, April 4, 2009
50. Autofluorescence Imaging in Dry and Wet AMD, Doheny Eye Institute/USC, Los Angeles, CA, March, 14, 2009
51. Doppler optical coherence tomography measurement of retinal blood flow in patients with diabetic retinopathy. Annual meeting of the American Society of Retina Specialist, New York, September 2009
52. Anterior/Posterior segment surgical approach to complex trauma, Doheny Eye Institute/USC, Los Angeles, CA, October, 11, 2008
53. Functional Imaging of the Retina, Advances in Ophthalmic Imaging, Doheny Eye Institute/USC, Los Angeles, CA, September 06, 2008
54. High-Speed High Resolution OCT, Course Tutor, American Academy of Ophthalmology, Atlanta, GA, 2008
55. Recent Advances in Retinal Imaging, Annual meeting of the Pacific Coast Ophthalmology and Otolaryngology Society, Newport Beach, CA, June, 20, 2008
56. Retina Update, California Academy of Ophthalmology Physician Symposium, Costa Mesa, CA, 03-29-08
57. Retina Lectures, Jules Stein Eye Institute / Doheny Eye Institute Annual Review, Jules Stein Eye Institute, Los Angeles, CA, March, 1, 2008
58. Functional Retinal Imaging, Doheny Retina Update 2008, Los Angeles, CA
59. Hyperspectral Retinal Imaging, Doheny Vision Research Monthly Meeting, November, 2007, Los Angeles, CA
60. Anti-VEGF Therapies in Neovascular Glaucoma, Doheny Retina Update 2007, Los Angeles, CA
61. High-Speed High Resolution OCT, Course Tutor, American Academy of Ophthalmology, New Orleans, LA, 2007

## **PUBLICATIONS:**

### **A. Original Investigations**

1. YS. Zhang, AC. Onishi, N Zhou, J Song, S Samra, S Weintraub, **AA. Fawzi**. Characterization of inner retinal gliosis associated with early cognitive impairment on adaptive optics scanning light ophthalmoscopy. IOVS, in press



2. CM A. Palochak, H E Lee, J Song, A Geng, RA. Linsenmeier, SA. Burns, **AA. Fawzi**. Retinal Blood Velocity and Flow in Early Diabetes and Diabetic Retinopathy Using Adaptive Optics Scanning Laser Ophthalmoscopy. *Journal of Clinical Medicine*, 2019; 8(8):1165.
3. **Fawzi AA**, Fayed AE, Linsenmeier RA, Gao J, Yu F. Improved Macular Capillary Flow on OCT Angiography After Panretinal Photocoagulation for Proliferative Diabetic Retinopathy. *Am J Ophthalmol*. 2019 May 9. pii: S0002-9394(19)30214-4. doi: 10.1016/j.ajo.2019.04.032. PMID: 31078542
4. H E Lee, Y Wang, AE. Fayed, **AA. Fawzi**. Characterizing the relationship between collateral vessel development and retinal vessel density in retinal vein occlusion using optical coherence tomography angiography. *PloSone*, 2019; 14 (7), e0215790. PMID: 31339897. PMCID: PMC6655539
5. Y S Zhang, N Zhou, B M Knoll, S Samra, MR. Ward, S Weintraub, **AA. Fawzi**. Parafoveal Vessel Loss and Correlation between Peripapillary Vessel Density and Cognitive Performance in Amnesic Mild Cognitive Impairment and Early Alzheimer's Disease on Optical Coherence Tomography Angiography. *PLoS ONE* 2019; 14(4): e0214685. PMID: 30939178. PMCID: PMC6445433
6. AE. Fayed, **AA. Fawzi**. Projection resolved optical coherence tomography angiography to distinguish flow signal in retinal angiomatous proliferation from flow artifact. *PLoS ONE*, 2019; 14(5): e0217109. PMCID: PMC6519823. PMID: 31091288
7. MJ. Heiferman, **AA. Fawzi**. Progression of Subclinical Choroidal Neovascularization in Age-Related Macular Degeneration. *PLoS ONE*, 2019; 14(6): e0217805. PMCID: PMC6548359. PMID: 31163067
8. PL. Nesper, H.E. Lee, AE. Fayed, GW. Schwartz, F Yu, and **AA. Fawzi**. Hemodynamic Response of the Three Retinal Capillary Plexuses in Dark Adaptation and Flicker Stimulation using Optical Coherence Tomography Angiography. *IOVS*, 2019 Feb;60(2):694-703. PMCID: PMC6383834 PMID: 30786274
9. Xiao Shu, Lisa Beckmann, Yuanbo Wang, Ian Rubinoff, Katie Lucy, Hiroshi Ishikawa, Gadi Wollstein, **Amani A. Fawzi**, Joel S. Schuman, Roman V. Kuranov, Hao F. Zhang Designing visible-light optical coherence tomography towards clinics. *Quantitative Imaging in Medicine and Surgery* 2019;9(5)769-781.
10. Y Wang, B Soetikno, J Furst, D Raicu, **AA Fawzi**. Drusen Diagnosis Comparison Between Hyper-Spectral And Color Retinal Images. *Biomedical Optics Express*, 2019; 10(2), 914-931.
11. GG Deák, DA Goldstein, M Zhou, **AA Fawzi**, LM Jampol. Vertical hyperreflective infiltrates: an OCT novel finding in vitreoretinal lymphoma. *JAMA Ophthalmology* 2019. 137(2):E1-5.
12. S Chu, PL. Nesper, BT. Soetikno, SJ. Bakri. **AA. Fawzi**, Projection-Resolved OCT Angiography of Microvascular Changes in Paracentral Acute Middle Maculopathy and Acute Macular Neuropathy. *Investigative Ophthalmology and Visual Sciences* 2018, 59 (7), 2913-2922. PMID: 30025133; PMCID: PMC5989859.

13. Soetikno BT, Beckmann L, Zhang X, **Fawzi AA**, Zhang HF. Visible-light optical coherence tomography oximetry based on circumpapillary scan and graph-search segmentation. *Biomed Opt Express*. 2018 Jul 10;9(8):3640-3652. doi: 10.1364/BOE.9.003640. eCollection 2018 Aug 1. PubMed PMID: 30338145; PubMed Central PMCID: PMC6191632.
14. A C Onishi, P K Roberts, P L Nesper , H Chai, L Liu, LM Jampol, **AA Fawzi**. Importance of Considering the Middle Capillary Network in Diabetic Retinopathy. *Investigative Ophthalmology and Visual Sciences* 2018, 59 (5), 2167-2176. PMID: 29801151; PMCID: PMC5915112.
15. M Ashraf, P L. Nesper, L Jampol, F Yu, **AA. Fawzi**. Statistical Model of Optical Coherence Tomography Angiography Parameters that Correlate with Severity of Diabetic Retinopathy. . *Investigative Ophthalmology and Visual Sciences*, 2018 Aug 1;59(10):4292-4298. PMID: 30167660; PMCID: PMC6110573.
16. AD. Treister, PL. Nesper, AE. Fayed, M K. Gill, RG. Mirza, **AA. Fawzi**. Prevalence of Subclinical CNV and Choriocapillaris Nonperfusion in Fellow Eyes of Unilateral Exudative AMD on OCT Angiography. *Translational vision science & technology*. 2018 Sep;7(5):19-.
17. CS. Chung, JJ Park, P L. Nesper, **AA. Fawzi**. Comparison of Cirrus Angioplex and Avanti RTVue OCT-A Systems: A Quantitative and Qualitative Approach. *Ophthalmic surgery, lasers & imaging retina*. 2018 Nov 1;49(11):e198.
18. JJ. Park, C Chung, **AA. Fawzi**. Visualizing Structure and Vascular Interactions: Macular Non-Perfusion in Three Capillary Plexuses. *Ophthalmic surgery, lasers & imaging retina*. 2018 Nov 1;49(11):e182-90. PMC6408874. PMID: 30457654
19. PL. Nesper, and **AA. Fawzi**. Human Parafoveal Capillary Vascular Anatomy and Connectivity Revealed by Optical Coherence Tomography Angiography. *Invest Ophthalmol Vis Sci*.2018 Aug 1;59(10):3858-3867 PMID: 30073360; PMC6071478.
20. P L. Nesper, B T. Soetikno, A. Treister, **AA. Fawzi**. Volume-Rendered Projection-Resolved OCT Angiography: 3D Lesion Complexity is Associated with Therapy Response in Wet Age-Related Macular Degeneration. *IOVS* 2018, 59 (5), 1944-1952. PMID: 29677356; PMC5894925.
21. A Onishi, M Ashraf, P L. Nesper, **AA. Fawzi**. Multilevel Ischemia in Disorganization of the retinal inner Layers on Projection Resolved OCT Angiography. *Retina*. 2018 Apr 10. PubMed PMID: 29642239.
22. J C. Liu, PL. Nesper, **AA. Fawzi**, MK. Gill. Acute macular neuroretinopathy associated with influenza vaccination with decreased flow at the deep capillary plexus on OCT angiography. *AJO Case Reports*, 2018, 10, 96-100
23. MJ Heiferman, EJ Griebenow, MK Gill, **AA Fawzi**. Morphological Implications of Vascular Structures Not Visualized on Optical Coherence Tomography Angiography in Retinal Vein Occlusion. *Ophthalmic Surgery, Lasers and Imaging Retina* 2018, 49 (6), 392-396

24. BT Soetikno, L Beckmann, X Zhang, **AA Fawzi**, HF Zhang. Visible-light optical coherence tomography oximetry based on circumpapillary scan and graph-search segmentation. *Biomedical Optics Express* 2018, 9 (8), 3640-3652
25. W Chang, M Lajko, **AA Fawzi**. Endothelin-1 is Associated with Fibrosis in Proliferative Diabetic Retinopathy Membranes. *PLoS one*, 2018; 13(1): e0191285. PMID: 29351334
26. P L Nesper, P K Roberts, Alex C Onishi, H Chai, L Liu, LM Jampol, **AA Fawzi**. Quantifying Microvascular Abnormalities with Increasing Disease Severity in Diabetes Mellitus. *IOVS*, May 1;58(6):BIO307-BIO315. doi: 10.1167/iovs.17-21787.PMID: 29059262
27. M Lajko, HJ. Cardona, JM. Taylor, KN. Farrow, **AA. Fawzi**. Photoreceptor oxidative stress in hyperoxia-induced proliferative retinopathy accelerates *rd8* degeneration. *PLoS ONE* 2017, 12(7): e0180384. PMID: PMC5495396
28. AC. Onishi, P Roberts, PL. Nesper, LM. Jampol, **AA. Fawzi**. Adaptive Optics Scanning Laser Ophthalmoscopy and Multimodal Imaging of “Jampol Dots” in Multiple Evanescent White Dot Syndrome. *Retina*, in press.
29. P Nesper, F Scarinci, **AA Fawzi**. Adaptive optics reveals photoreceptor disruption in diabetic macular ischemia. *PlosOne* 2017, *PLoS ONE* 12(1): e0169926. *PLoS One*. 2017; 12(1): e0169926. Published online 2017 Jan 9. doi: 10.1371/journal.pone.0169926. PMID: PMC5222506
30. P Nesper, G Luty, **AA Fawzi**. Residual Choroidal Vessels in Atrophy can Masquerade as Choroidal Neovascularization on OCT Angiography: Introducing a Clinical and Software Approach. *Retina*, in press
31. MJ Heiferman, S Rahmani, LM Jampol, PL Nesper, D Skondra, LA Kim, **AA Fawzi**. Acute Posterior Multifocal Placoid Pigment Epitheliopathy on Optical Coherence Tomography Angiography. *Retina Journal* 2017, 37 (11), 2084-2094
32. P Nesper, BT Soetikno, **AA Fawzi**. Choriocapillaris non-perfusion is associated with poor visual acuity in eyes with reticular pseudodrusen. *Am J Ophthalmol*. 2016 Oct 26. pii: S0002-9394(16)30517-7. doi: 10.1016/j.ajo.2016.10.005. [Epub ahead of print]
33. R Desai, L Jampol, P Nesper, D Goldstein, **A A. Fawzi**, M. Gill. Optical Coherence Tomography Angiography Imaging in Serpiginous Choroidopathy. *Ophthalmology Retina* 2018, 2 (4), 351-359
34. M Lajko, HJ Cardona, JM Taylor, RS Shah, KN Farrow, **AA Fawzi**. Hyperoxia-Induced Proliferative Retinopathy: Early Interruption of Retinal Vascular Development with Severe and Irreversible Neurovascular Disruption. *PLoS One*. 2016; 11(11): e0166886. Published online 2016 Nov 18. doi: 10.1371/journal.pone.0166886. PMID: PMC5115836
35. P Roberts, P Nesper, D A Goldstein, **AA Fawzi**. Retinal Capillary Density in eyes with Birdshot Chorioretinopathy. *Retina Journal* 2018, 38 (2), 387-394

36. Mehta R, Hodakowski A, Cai X, Lee K, Kestenbaum B, de Boer I, **Fawzi A**, Wong T, Ix J, Klein B, Klein R, Isakova T. Serum Phosphate and Retinal Microvascular Changes: The Multi-Ethnic Study of Atherosclerosis and the Beaver Dam Eye Study. *Ophthalmic Epidemiology*. 2017; 24 (6), 371-380
37. BT. Soetikno, X Shu, Q Liu, W Liu, S Chen, L Beckmann, **AA. Fawzi**, H F. Zhang. Image-guided induction of retinal vascular occlusions in rodents using combined optical coherence tomography angiography and fluorescent scanning laser ophthalmoscopy. *Biomed Optics Express*, In Press
38. S Khanna P Nesper, A Koreishi, DA Goldstein, **AA Fawzi**. Characterization of Birdshot Chorioretinopathy Using Adaptive Optics Scanning Laser Ophthalmoscopy. *Ocular Immunology and Inflammation* 2017, 25 (5), 615-625
39. P L. Nesper, BT. Soetikno, H F. Zhang, **A A. Fawzi**. OCT Angiography and Visible-Light OCT in Diabetic Retinopathy. *Vision Research* 2017, 139; 191-203
40. P Roberts, DA Goldstein, **AA Fawzi**. Anterior segment optical coherence tomography angiography for identification of iris vasculature and staging of iris neovascularization. *Current Eye Research* 2017, 42 (8), 1136-1142
41. Chen S, Shu X, Nesper PL, Liu W, **Fawzi AA**, Zhang HF. Retinal oximetry in humans using visible-light optical coherence tomography. *Biomedical optics express*. *Biomed Opt Express*. 2017 Mar 1; 8(3): 1415–1429. Published online 2017 Feb 7. doi: 10.1364/BOE.8.001415PMCID: PMC5480553
42. DS Grewal; D Merlau; P Giri; MR Munk; **AA Fawzi**; LM Jampol; AP Tanna. Prevalence of Peripapillary Retinal Splitting Visualized on OCT in Glaucoma and Glaucoma Suspect Patients. *PlosOne*, in press
43. JM Simonett, J Chou, E Chan, D Skondra, **AA Fawzi**. A New Quantitative Approach for Analyzing Polypoidal Choroidal Vasculopathy Using En Face Optical Coherence Tomography. *OSLI*, in press
44. J Kaluzny, P Purta, Z Poskin, JD Rogers, **AA Fawzi**. Ex Vivo Confocal spectroscopy of autofluorescence in age-related macular degeneration. *PLOSone*, 2016; 11(9): e0162869. Published online 2016 Sep 15. doi: 10.1371/journal.pone.0162869. PMCID: PMC5024989
45. PK Roberts, PL Nesper, A Onishi, D Skondra, LM Jampol, **AA Fawzi**. Characterizing photoreceptor changes in acute posterior multifocal placoid pigment epitheliopathy using Adaptive Optics Scanning Laser Ophthalmoscopy. *Retina Journal*, in press
46. KM Joshi, PL Nesper, **AA Fawzi**, RG Mirza. OCT Angiography in Adult Onset Foveomacular Vitelliform Dystrophy. *Retina Journal Retina* 2018, 38 (3), 600-605
47. S Srinivas, O Tan, M G Nittala, J Lee, **AA. Fawzi**, D Huang, S R. Sadda. Assessment of Retinal Blood Flow in Diabetic Retinopathy Using Doppler Fourier-Domain Optical Coherence Tomography. *Retina Journal*, in press

48. Xu, W, Kurup, S P, **Fawzi, AA**, Durbin, M K, Maumenee, I H; Mets, M B. SD-OCT Retinal Nerve Fiber Layer and Macular Thickness in a Large Cohort with Marfan Syndrome. *Ophthalmic Genetics*, in press
49. JM Simonett, R Huang, N Siddique, S Farsiu, T Siddique, NJ Volpe, **AA Fawzi**. Macular Sublayer Thinning is Associated with Pulmonary Function in Amyotrophic Lateral Sclerosis. *Scientific Reports*, 2016; 6: 29187. PMID: PMC4935870
50. PK Roberts, PL Nesper, M K Gill, **AA Fawzi**. A quantitative approach to characterize treatment response in neovascular age-related macular degeneration: a real world study. *Retina*, in press
51. JM Simonett, DS Grewal, **AA Fawzi**, MK Gill. Fundus Autofluorescence Patterns of Submacular Fluid Resolution Following Repair of Macula Involving Rhegmatogenous Retinal Detachments. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Nov 1;47(11):1020-1029.
52. B Knoll, J Simonett, NJ Volpe, M Ward, A Rademaker, S Weintraub, **AA Fawzi**. Retinal nerve fiber layer thickness in mild cognitive impairment patients: Cross-sectional Study and Meta-analysis. *Alzheimers Dement (Amst)* 2016; 4: 85–93. Published online 2016 Aug 19. doi: 10.1016/j.dadm.2016.07.004 PMID: PMC5045947
53. JV Kaluzny, H Li, W Liu, Peter Nesper, Justin Park, HF. Zhang and **AA. Fawzi**. Bayer Filter Snapshot Hyperspectral Fundus Camera for Human Retinal Imaging. *Curr Eye Res*. 2016 Oct 21:1-7. [Epub ahead of print]
54. F Scarinci, P Nesper, **AA Fawzi**. Deep Retinal Capillary Non-perfusion is Associated with Photoreceptor Disruption in Diabetic Macular Ischemia. *AJO*, 2016, 168, 128-138
55. F Scarinci, A Shaarawy, R Narala, LM. Jampol, **AA Fawzi**. Loss of External Limiting Membrane Integrity Predicts Progression of Hydroxychloroquine Retinal Toxicity After Drug Discontinuation. *Retina*. 2016 Oct;36(10):1951-1957.
56. M. Heiferman, **AA Fawzi**. Discordance between NIR Autofluorescence and Blue Autofluorescence in Eyes with AMD. *Retina*. 2016 Dec;36 Suppl 1:S137-S146.
57. F Scarinci, **AA Fawzi**, A. Shaarawy, J Simonett, LM. Jampol. Longitudinal quantitative evaluation of outer retinal lesion in acute posterior multifocal placoid pigment epitheliopathy using optical coherence tomography. *Retina*. 2016 Aug 23. [Epub ahead of print]
58. H Li, W Liu, B Dong, JV. Kaluzny, **AA. Fawzi**, and HF. Zhang. Snapshot hyperspectral retinal imaging using compact spectral resolving detector array. *J Biophotonics*. 2016 Jul 19. doi: 10.1002/jbio.201600053. [Epub ahead of print]
59. R Shah, B Soetikno, J Yi, W Liu, D. Skondra, HF Zhang, **AA Fawzi**. Visible-light Optical Coherence Tomography Angiography for Monitoring Laser-induced Choroidal Neovascularization in Mice. *Invest Ophthalmol Vis Sci*. 2016 Jul 1;57(9):OCT86-95. doi: 10.1167/iovs.15-18891. PMID: 27409510. PMID: PMC4968775

60. JJ Park, B Soetikno, **AA Fawzi**. Characterization of the Middle Retinal Capillary Plexus Using Optical Coherence Tomography Angiography in Healthy and Diabetic eyes. *Retina*. 2016 Nov;36(11):2039-2050.
61. S Chen, X Shu, J Yi, **A Fawzi**, and H Zhang. Dual-band visible/near infrared optical coherence tomography using a single supercontinuum source. *J Biomed Opt*. 2016 Jun 1;21(6):66013. PMID: PMC4908275
62. B Soetikno, J Yi, R Shah, W Liu, P Purta, H F. Zhang, **AA Fawzi**. Oxygen Metabolism of the Inner Retina in a 50/10 Rat Model of Oxygen-Induced Retinopathy. *Scientific reports* 2015, 16752-16752.
63. D. Lo, C. Flaxel, **AA. Fawzi**. Macular Effects of Silicone Oil Tamponade: Optical Coherence Tomography Findings During and After Silicone Oil Removal. *Curr Eye Res*. 2016 Jul 13:1-6.
64. Volpe, N.J., Simonett, J., **Fawzi, A.A.** and Siddique, T. Ophthalmic Manifestations of Amyotrophic Lateral Sclerosis (An American Ophthalmological Society Thesis)." *Transactions of the American Ophthalmological Society* 113 (2015): T12-1.
65. J Yi, S Chen, X Shu, **AA. Fawzi**, and HF. Zhang. Human retinal imaging using visible-light optical coherence tomography guided by scanning laser ophthalmoscopy. *Biomedical Optics Express*, 6 (10), 3701-3713. PMID: PMC4605031
66. JM. Simonett, MA. Sohrab, J Pacheco, LL. Armstrong, M Rzhetskaya, M Smith, MG Hayes, **AA. Fawzi**. A Validated Phenotyping Algorithm for Genetic Association Studies in Age-related Macular Degeneration. *Scientific Reports* 5, 12875; 2015. PMID: PMC4530462
67. R Narala, F Scarinci, A Shaarawy, J Simonett, C Flaxel, **AA Fawzi**. Longitudinal quantitative evaluation of photoreceptor volume using optical coherence tomography after repair of macula-off retinal detachment. *Retina*. 2016 Aug;36(8):1432-8.
68. W Liu; H Li; RS Shah; X Shu; RA Linsenmeier; **AA Fawzi**; HF Zhang. Simultaneous optical coherence tomography angiography and fluorescein angiography in rodents with normal retina and laser-induced choroidal neovascularization. *Opt Lett*. 2015 Dec 15;40(24):5782-5. doi: 10.1364/OL.40.005782.
69. F Scarinci, LM. Jampol, RA. Linsenmeier, **AA. Fawzi**. Association of Diabetic Macular Ischemia with Outer Retinal Disruption on Optical Coherence Tomography. *JAMA Ophthalmology*, 2015; 133 (9), 1036-1044.
70. MR. Munk, LM. Jampol, EC Souza, G Andrade, D Sarraf, **AA. Fawzi**. New associations of classic acute macular neuroretinopathy. *Br J Ophthalmol*. 2016 Mar;100(3):389-94
71. MJ. Heiferman, JK. Fernandes, M Munk, RG. Mirza, LM. Jampol, **AA. Fawzi**. Reticular Pseudodrusen on Infrared Imaging are Topographically Distinct from Subretinal Drusenoid Deposits on En Face Optical Coherence Tomography. *Retina*. 2015 Dec;35(12):2593-603.

72. Shah, RS, Soetikno, BT. Lajko, M, **Fawzi, AA**. A Mouse Model for Laser-induced Choroidal Neovascularization. *J. Vis. Exp.* 2015 Dec 27;(106):e53502. doi: 10.3791/53502.
73. S. Rahmani, A. Lyon, **A.A. Fawzi**, I.H. Maumenee, M. Mets. Retinal Disease in Marfan Syndrome: From the Marfan Eye Consortium of Chicago. *Ophthalmic Surg Lasers Imaging Retina.* 2015. 46 (9), 936-941
74. LM. Cohen, DA. Goldstein, **A A. Fawzi**. Structure-Function Relationships in Uveitic Cystoid Macular Edema: Using En Face Optical Coherence Tomography to Predict Vision. *Ocul Immunol Inflamm.* 2016 Jun;24(3):274-81.
75. J Yi, W Liu, S Chen, N Sheibani, **AA. Fawzi**, RA. Linsenmeier, and HF. Zhang, Visible light optical coherence tomography measures retinal oxygen metabolic response to systemic oxygenation. *Light Sci Appl.* 2015 Sep; 4(9): e334. Published online 2015 Sep 25. doi: 10.1038/lssa.2015.107.PMCID: PMC4674267
76. Munk, MR.; Jung, JJ.; Biggee, K; Tucker, WR.; Sen, H N; Schmidt-Erfurth, U, **Fawzi, AA.**; Jampol, LM. Idiopathic multifocal choroiditis (MFC)/punctate inner choroidopathy (PIC) with acute photoreceptor loss or dysfunction out of proportion to clinically visible lesions. *Retina.* 2015 Feb; 35(2): 334–343. PMID: PMC430493435
77. X Chen, E Rahimy, RC. Sergott, RP. Nunes, EC. Souza, N Choudhry, N E. Cutler, SK.S. Houston, MR. Munk, **AA. Fawzi**, S Mehta, J-P Hubschman, AC. Ho, DSarraf. Spectrum of Retinal Vascular Diseases Associated with Paracentral Acute Middle Maculopathy. *Am J Ophthalmol, Am J Ophthalmol.* 2015 Jul;160(1):26-34.e1.
78. M. R. Munk, R. Shah, D. Baddar, B. Wong, F. Pappas, L. M. Jampol, **A. A. Fawzi**. Multimodal imaging and choroidal volumetric changes after half-fluence PDT in central serous chorioretinopathy. *Curr Eye Res.* 2016;41(1):97-106.
79. **AA.Fawzi**, J.Simonett, P. Purta, HE.Moss, N.Siddique, EH.Bigio, NJ.Volpe, T.Siddique. Clinicopathologic report of ocular involvement in ALS patients with C9ORF72 Mutation. *Amyotrophic lateral sclerosis and frontotemporal dementia*, 2014, 15(7-8); 569-580. PMID: 25319030
80. **Fawzi AA**, Nielsen JS, Mateo-Montoya A, Somkijrungrroj T, Li HK, Gonzales J, Mauget-Faÿsse M, Jampol LM. Multimodal imaging of white and dark without pressure fundus lesions. *Retina*, 2014; 34 (12), 2376-2387.PMID: 25387048
81. JC Chou, SD Rollins, M Ye, DC Batlle, **AA Fawzi**. Endothelin Receptor-A Antagonist Attenuates Retinal Vascular and Neuroretinal Pathology in diabetic Mice. *Invest. Ophthalmol. Vis. Sci*, 2014, 55 (4), 2516-2525. PMID: PMC4585571
82. DS. Grewal, JC. Chou, S.Rollins, **AA. Fawzi**. Topographic Correlation Between Reticular Pseudodrusen and the Choroidal Vasculature Using En Face Optical Coherence Tomography. *PLOSone*, 2014; 9 (3), e92841. PMID: 24658298. PMID: PMC3962468

83. BR. Thomson, S. Heinen, M. Jeansson, A. Ghosh, A. Fatima, H-K Sung, T. Onay, H. Chen, S. Yamaguchi, Y-K Hong, **A. Fawzi**, X. Liu, T. Kume, and SE. Quaggin. A Lymphatic Defect Causes High Intraocular Pressure and Glaucoma in Mice. *The Journal of clinical investigation*, 2014, 124 (10), 4320–4324. PMID: 25202984
84. W Song, Q Wei, W Liu, T Liu, J Yi, N Sheibani, **AA. Fawzi**, RA. Linsenmeier, S Jiao, and H F. Zhang. A combined method to quantify retinal metabolic rate of oxygen using photoacoustic ophthalmoscopy and optical coherence tomography. *Scientific Reports* 4, 2014; doi:10.1038/srep06525. PMCID: PMC4185377
85. **AA Fawzi**, JC Chou, GA Kim, SD Rollins, JM Taylor, KN Farrow. Sildenafil Attenuates Vaso-obliteration and Neovascularization in a Mouse Model of Retinopathy of Prematurity. *Invest. Ophthalmol. Vis. Sci*, 2014, 55 (3), 1493-1501. PMID: 24519428
86. J. Chou, SD Rollins, **AA Fawzi**. Trypsin Digest Protocol to Analyze the Retinal Vasculature of a Mouse Model. *J. Vis. Exp.* (76), e50489, doi:10.3791/50489 (2013). PMID: 23793268. PMCID: PMC4586973
87. J. Chou, S. Rollins, **AA. Fawzi**. Role of Endothelial and Pericyte Dysfunction in Diabetic Retinopathy: Review of Evidence from Animal Models. *Adv. Exp. Med. Biol.* 2014, 801; 669-675.
88. AD. Birnbaum, **AA. Fawzi**, A. Rademaker, DA. Goldstein. Correlation between Disease Activity and Choroidal Patterns by OCT-EDI in Birdshot Chorioretinopathy. *JAMA Ophthalmology*, 2014, 132(8):929-935
89. M. Gendy, **AA. Fawzi**, RT. Wendel; D. J. Pieramici; JA. Miller; LM. Jampol. Multimodal Imaging in Persistent Placoid Maculopathy. *JAMA Ophthalmology*, 2014, 132 (1), 38-49.
90. J. Lee, B. Wong, O. Tan, S. Srinivas, S. Sadda, D. Huang, **AA. Fawzi**. Pilot Study of Doppler optical coherence tomography of retinal blood flow following laser photocoagulation in poorly controlled diabetic patients. *Invest. Ophthalmol. Vis. Sci*, 2013; 54 (9), 6104-6111. PMID: 23942969
91. M. Mititelu, BJ. Wong, M. Brenner, P. Bryar, LM. Jampol, **AA. Fawzi**. Progression of hydroxychloroquine toxicity after drug discontinuation: New evidence from multimodal imaging. *JAMA Ophthalmology*, 2013; 131 (9), 1187-1197 PMID: 23887202
92. D. Sarraf, E. Rahimy, **AA. Fawzi**, E. Sohn, I. Barbazetto, D. Zacks, R. Mittra, S. Mrejen, N. Wiesel, R. Beardsley, KB. Freund. Perifoveal Acute Middle Maculopathy: New Variant of Acute Macular Neuroretinopathy. *JAMA Ophthalmology*, 2013; 131 (10), 1275-1287 PMID: 23929382
93. MA. Sohrab, K. Wu, **AA. Fawzi**. Pilot Study of Morphometric Analysis of Choroidal Vasculature *in vivo* Using En Face Optical Coherence Tomography. *PLoS One*. 2012;7(11):e48631. doi: 10.1371/journal.pone.0048631. Epub 2012 Nov 26. PMID: 23189132



94. AS. Huang, LA. Kim, **AA. Fawzi**. Clinical Characteristics Of A Large Choroideremia Pedigree Carrying A Novel *CHM* Mutation. *Archives of Ophthalmology*, 2012;130(9):1184-9. PMID: 22965595
95. **AA. Fawzi**, RR. Pappuru, D. Sarraf, PP. Le, L. Sobrin, DA. Goldstein, S. Honowitz, CA. McCannel, AC. Walsh, SR. Sadda, LM. Jampol, D. Elliott. Acute Macular Neuroretinopathy: New Insights Revealed by Multimodal Imaging. *Retina*, 2012;32(8):1500-1513. PMID: 22846801
96. D. Lo, F. Heussen, KV. Ho, J. Gasperini, K. Na, BD. Berton AC. Walsh, **AA. Fawzi**. Structural and Functional Correlations in Epiretinal Membranes with Severe Macular Dystopia. *Retina*, 2012 Feb;32(2):340-8.
97. JL. Gasperini, **AA. Fawzi**, A. Khondkaryan, L. Lam, LP. Chong, D. Elliott, AC. Walsh, SR. Sadda. Bevacizumab and Ranibizumab Tachyphylaxis in the Treatment of Choroidal Neovascularization. *British Journal of Ophthalmology*, 2012 Jan; 96(1):14-20.
98. PS. Kalyani, GN. Holland, **AA. Fawzi**, TEF. Arantes, F. Yu, and AA. Sadun, in collaboration with the Studies of the Ocular Complications of AIDS Research Group. Association between Retinal Nerve Fiber Layer Thickness and Abnormalities of Vision in People with Human Immunodeficiency Virus Infection. *American Journal of Ophthalmology*, 2012; 153: 734-742.e1
99. PS. Kalyani, **AA. Fawzi**, S. Gangaputra, ML. Van Natta, LD Hubbard, RP. Danis, JE. Thorne and GN. Holland. On behalf of the Studies of the Ocular Complications of AIDS Research Group. Retinal vessel caliber among people with AIDS: Relationship with visual function. *American Journal of Ophthalmology*, 2012; 153: 428-433.
100. S. Gangaputra, PS. Kalyani, **AA. Fawzi**, ML. Van Natta, LD Hubbard, RP. Danis, JE. Thorne and GN. Holland. On behalf of the Studies of the Ocular Complications of AIDS Research Group. Retinal Vessel Caliber among people with AIDS: Relationship with disease-associated factors and mortality. *American Journal of Ophthalmology*, 2012; 153: 434-444.
101. **AA. Fawzi**, N. Lee, J. Acton, AF. Laine, RT. Smith. Recovery of Macular Pigment Spectrum *In Vivo* using Hyperspectral Image Analysis. *Journal of Biomedical Optics*, J Biomed Opt. 2011 Oct;16(10):106008.
102. MA. Sohrab, RT. Smith, H. Salehi-Had, SR. Sadda, **AA. Fawzi**. Image Registration and Multimodal Imaging of Reticular Pseudodrusen. *Invest. Ophthalmol. Vis. Sci*, 2011; June 21; 10-6942.
103. Y. Wang, **AA. Fawzi**, R. Varma, AA. Sadun, X. Zhang, O. Tan, JA. Izatt, and D. Huang. Optical Coherence Tomography Measurement of Retinal Blood Flow in Retinal and Optic Nerve Diseases. *Invest. Ophthalmol. Vis. Sci*, 2011 Feb 11;52(2):840-5.
104. Y. Wang, **AA. Fawzi**, O. Tan and D. Huang. Flicker-Induced Changes in Retinal Blood Flow with Doppler Optical Coherence Tomography. *Biomedical Optics Express*, 2011; 2 (7): 1852-1860.

105. NG. Lee, JL. Berry; TC. Lee, AT. Wang, N.Varshney, AL. Murphree, D. Hinton, **AA. Fawzi**. Sonoporation enhances chemotherapeutic effects in retinoblastoma cell line *in vitro*. Invest. Ophthalmol. Vis. Sci, 2011 Jun 1; 52(6):3868-73.
106. MA. Sohrab, RT. Smith, **AA. Fawzi**. Imaging Characteristics of Dry Age Related Macular Degeneration. Seminars in Ophthalmology, 2011 May;26(3):156-66.
107. GE. Lee, BW. Lee, NA. Rao, **AA. Fawzi**. Spectral Domain Optical Coherence Tomography and Autofluorescence in a Case of Acute Posterior Multifocal Placoid Pigment Epitheliopathy Mimicking Vogt-Koyanagi-Harada Disease: Case report and review of literature. Ocular Immunology and Inflammation, 2011;19(1):42-7.
108. A.Hauch, D.Eliott, NA. Rao, DVV. Santos, T.O’Hearn, **AA. Fawzi**. Dark Hypopyon in Streptococcus Bovis Endogenous Endophthalmitis: Clinicopathologic correlations. J Ophthalmic Inflamm Infect. 2010 Oct 30;1(1):39-41.
109. X. Zhang, M. Jiang, **AA. Fawzi**, X. Li, KK. Shung, CA. Puliafito, HF. Zhang, and S. Jiao Simultaneous dual molecular contrasts provided by the absorbed photons in photoacoustic microscopy. Optics Letters, 2010; vol. 35, issue 23, p. 4018-20
110. N. Lee, J. Wielaard, **AA. Fawzi**, P. Sajda, AF. Laine, G. Martin, MS. Humayun, RT. Smith. In vivo snapshot hyperspectral image analysis of age-related macular degeneration. Proceedings of the 32nd conference of Engineering in Medicine and Biology Society-IEEE, 2010, p5363 - 5366
111. S. Jiao, M. Jiang, J.Hu, **A. Fawzi**, Q. Zhou, K. K. Shung, C. A. Puliafito, and H.F. Zhang Photoacoustic ophthalmoscopy for in vivo retinal imaging. Optics Express Vol. 18, Iss. 4, pp. 3967–3972 (2010)
112. TS. Hemeida, PA. Keane, L.Dustin, SR. Satta, **AA. Fawzi**. Long Term Visual and Anatomic Outcomes Following Anti-VEGF Monotherapy for Retinal Angiomatous Proliferation. British Journal of Ophthalmology, 2010 Jun;94(6):701-5
113. Matsuoka N, Paeng DG, Chen R, Ameri H, Abdallah W, Zhou Q, **Fawzi A**, Shung KK, Humayun M. Ultrasonic Doppler measurements of blood flow velocity of rabbit retinal vessels using a 45-MHz needle transducer. Graefe’s Arch Clin Exp Ophthalmol. 2010 May;248(5):675-80.
114. W.Abdallah\*; **A. Fawzi\***; Hitenkumar Patel.; G. Dagliyan; N. Matsuoka; E Grant; M Humayun. Blood Velocity Measurement in the Posterior Segment of the Rabbit Eye Using Combined Spectral Doppler and Power Doppler Ultrasound. Graefes Arch Clin Exp Ophthalmol. 2010 Jan;248(1):93-101.( \* equal contribution)
115. **AA. Fawzi**, N.G. Lee, D.Eliott, J. Song, J.M. Stewart. Retinal Manifestations of Alport Syndrome. Expanding the Clinical Spectrum. British Journal of Ophthalmology, 2009 Dec;93(12):1606-11

116. Y. Wang, **A. Fawzi**, O. Tan, J. Gil-Flamer, D. Huang. Retinal Blood Flow Detection in Diabetic Patients by Doppler Fourier Domain Optical Coherence Tomography. *Optics Express* 2009, Vol. 17, Issue 5, pp. 4061-4073.
117. JI. Lim, O. Tan, **AA. Fawzi**, JJ. Hopkins, JH. Gil-Flamer, D. Huang. A Pilot Study of Fourier Domain Optical Coherence Tomography of Retinal Dystrophy Patients. *American Journal of Ophthalmology*, September 2008. Vol. 146, Issue 3, Pages 417-426.
118. S. Joeres; SM. Jones; DC. Chen; D. Silva; S. Olivier; **A. Fawzi**; A. Castellarin; SR. Sadda. Retinal Imaging with Adaptive Optics Scanning Laser Ophthalmoscopy in Unexplained Central Ring Scotoma. *Archives of Ophthalmology*, Apr 2008; 126: 543 - 547.
119. A. Singh, **AA. Fawzi**, JM. Stewart. Limitation of 25-Gauge Vitrectomy Instrumentation in Highly Myopic Eyes. *Ophthalmic Surgery, Lasers & Imaging*. September/October 2007 · Vol. 38, No. 5
120. O'hearn TM, **Fawzi AA**, He S, Rao NA, Lim JI. Early onset vitreous amyloidosis in Familial Amyloidotic Polyneuropathy with a transthyretin Glu54Gly mutation is associated with elevated vitreous VEGF. *Br J Ophthalmol*. 2007 Dec;91(12):1607-9.
121. Chao JR, Khurana RN, **Fawzi AA**, Reddy HS, Rao NA. Syphilis: reemergence of an old adversary. *Ophthalmology*. 2006 Nov; 113(11):2074-9.
122. Chaum E, **Fawzi A**, Chang TS, Shah GK. Diagnostic and therapeutic challenges. *Retina*. 2006 Feb; 26(2):219-22.
123. **AA. Fawzi**, GN. Holland, AE. Kreiger, JR. Heckenlively, J. Arroyo, ET. Cunningham: Central serous chorioretinopathy after solid organ transplantation. *Ophthalmology* 2006; 113 (5):805-13.
124. **AA. Fawzi**, B. Vo, C. Cha, R. Kriwanek, A. Carts, H. Ramkumar, JR. Heckenlively, RY. Foos, and BJ. Glasgow. Asteroid Hyalosis in an Autopsy Population: The UCLA Experience. *Archives of Ophthalmology*, April 2005; 123(4):486-90.
125. Stone J, Maslim J, **Fawzi AA**, Lancaster P, Heckenlively JR. The role of perinatal stress in simplex retinitis pigmentosa: evidence from surveys in Australia and the United States. *Can J Ophthalmol*. 2001; 36(6):315-22
126. Heckenlively JR, **Fawzi AA**, Oversier J, Jordan BL, Aptsiauri N. Autoimmune retinopathy: patients with antirecoverin immunoreactivity and panretinal degeneration. *Arch Ophthalmol*. 2000; 118(11):1525-33.

### **B. Reviews, Case Reports, Letters, Editorials**

127. **A.A. Fawzi**, S. Weintraub, W. Fawzi. Retinal Imaging in Alzheimer's Disease: In Search of the Holy Grail. *Ophthalmology Journal*, in press.

128. Skondra D, Nesper PL, **Fawzi AA**. Multimodal Imaging of Acute Exudative Polymorphous Vitelliform Maculopathy with OCT Angiography and Adaptive Optics Scanning Laser Ophthalmoscopy. *Retinal Cases and Brief Reports*. 2019; 13 (3): 195-198.
129. Gattoussi S, Freund KB, Heiferman MJ, **Fawzi AA**. Diagnostic and Therapeutic Challenges. *Retina*. 2018 Sep;38(9):1876-1880. PubMed PMID: 28991863.
130. Jampol LM, Goldstein DA, **Fawzi AA**. Keeping the Name of Acute Posterior Multifocal Placoid Pigment Epitheliopathy. *JAMA ophthalmology*. 2017 Mar;135(3):186-.
131. C La Spina, GM Modorati, F Bandello, G Querques, P Roberts, **AA Fawzi**. Diagnostic and Therapeutic Challenges. *Retina* 2018, 38 (2), 432-437
132. **AA Fawzi**. Consensus on OCT angiography nomenclature: Do we need to develop and learn a new language? Invited Commentary. *JAMA ophthalmology* 2017, 135 (4), 377-378
133. AC Onishi, P Nesper, **AA Fawzi**. Adaptive Optics Scanning Laser Ophthalmoscopy and Multimodal Imaging of Peau D'Orange in Pseudoxanthoma Elasticum. *Ophthalmic Surg Lasers Imaging*, in press
134. Ashraf, M., Goldstein DA, **Fawzi, AA**. Letter to the editor: 'Optical Coherence Tomographic Angiography Artifacts in Acute Macular Neuroretinopathy'. *JAMA ophthalmology* 2017, 135 (6), 675-676
135. F Scarinci, P Nesper, **AA Fawzi**. Reply: Deep Retinal Capillary Ischemia is associated with photoreceptor disruption in Diabetic Retinopathy. *Am J Ophthalmol*, 2017, 174;180-181
136. P Garg, JM Simonett, **AA Fawzi**. White vitreous deposits after subtenon steroid injection: more than meets the eye. *JAMA ophthalmology*, in press.
137. Uyhazi KE, Tamhankar MA, Liu GT, Brucker AJ, Kim BJ, Sheyman A, **Fawzi AA**. Diagnostic and Therapeutic Challenges. *Retina*. 2016 Sep 21. [Epub ahead of print]
138. A Kanesa-thasan, **AA Fawzi**, M Gill. Presentation of Central Serous Chorioretinopathy in Two Husband and Wife Couple. *Retinal Cases and Brief Reports* 2018, 12 (2), 100-102
139. J Ma, R Desai, P Nesper, M Gill, **AA Fawzi**, D. Skondra. Optical Coherence Tomography Angiography Imaging in Age-related Macular Degeneration. *Ophthalmology and Eye Diseases*. *Ophthalmology and eye diseases* , 2017; 9, 1179172116686075
140. JM Simonett, **AA Fawzi**. "A case of recurrent, self-inflicted handheld laser retinopathy. Reply" *J AAPOS*. 2016 Jun;20(3):286-7.
141. A Sheyman, P Nesper, **AA Fawzi**, L Jampol. Adaptive Optics Imaging in Laser Pointer Maculopathy. *Ophthalmic Surg Lasers Imaging, Ophthalmic Surgery, Lasers and Imaging Retina* 2016; 47 (8), 782-785
142. LM Jampol, **AA Fawzi**. Dark Without Pressure. *Retinal Cases and Brief Reports*, in press.
143. Lawrence P. Iu, Michelle C. Fan, Ian Y. Wong, Joseph M. Simonett, Lee M. Jampol, and **A.A. Fawzi**. "Diagnostic and Therapeutic Challenges." *Retina* 36, no. 7 (2016): 1403-1407.

144. JM. Simonett, F. Scarinci, LT. Labriola, LM. Jampol, DA. Goldstein, **AA Fawzi**. A Case of Recurrent, Self-inflicted Handheld Laser Retinopathy *Journal of American Association for Pediatric Ophthalmology and Strabismus* 20, no. 2 (2016): 168-170.
145. Jampol, LM, Munk, MR.; Jung, JJ.; Biggee, K; Tucker, WR.; Sen, HN; Schmidt-Erfurth, U, **Fawzi, AA**. In reply: Idiopathic multifocal choroiditis (MFC)/punctate inner choroidopathy (PIC) with acute photoreceptor loss or dysfunction out of proportion to clinically visible lesions. *Retina*. 2015 Nov;35(11):e68-9.
146. A Sheyman, F Scarinci, **AA Fawzi**, M Gill. Long-term Evaluation of MEK Inhibitor Retinal Toxicity with Multimodal Imaging. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Jan;47(1):76-7.
147. **Fawzi, A.A.**, and L. M. Jampol. "Prevention of Hydroxychloroquine-Related Retinal Toxic Effects-Reply." *JAMA ophthalmology*, 2015; 133.4, 492-493.
148. Sohrab MA, **Fawzi AA**. Re: "Co-Localization of Pseudodrusen and Subretinal Drusenoid Deposits Using High-Density En Face Spectral Domain Optical Coherence Tomography" Correspondence. *Retina* 2015;35:e48-9.
149. Birnbaum, AD., **AA. Fawzi**, and DA. Goldstein. "Fourteen Patients With Fifty-Eight Eyes-Reply." *JAMA Ophthalmol*. 2015 Mar;133(3):357-8.
150. E. Chiang, **AA Fawzi** , L.M.Jampol. Retinal toxicity found in a patient with systemic lupus erythematosus prior to five years of treatment with hydroxychloroquine. *Rheumatology*, 2014, 53 (11), 2001-2001 PMID: 25172940
151. DM. Wu, **AA.Fawzi** , MA. Recasens, B. Bertoni, V.Chopra, NA Rao, D. Elliott. Good visual outcome after repair of a very large macular hole with neurosensory retina operculum. *Retinal cases and Brief Reports*, 2014; 8 (2), 138-140
152. DS. Grewal, LM. Jampol, **AA. Fawzi**. B. Lujan. A Case of an Unusual Bilateral Maculopathy: Diagnostic and Therapeutic Challenge. *Retina* , 2014; 34(4): 816-820. PMID: 23928674
153. J-S. Peyman, H.S. Had, **A.A. Fawzi**. Multimodal Imaging in a Case of Central Serous Chorioretinopathy Following Renal Transplantation. *Ophthalmic Surg Lasers Imaging*. 2012 Jun 28;43 Online:e58-61.
154. Garg P, Agarwal S, Pratap Singh A, Chakravarti A, Natarajan S, Labriola LT, **Fawzi AA**, Roe RH Diagnostic and Therapeutic Challenges. *Retina*. 2012;32 (4):856.
155. D. Elliott, A. Hauch, RW. Kim and **AA. Fawzi**. Retinal Dialysis in a Child Following Airbag Deployment. *JAAPOS*, 2011;15(2):203-4.
156. Y. Pan, P. Keane, A. Sadun, **AA.Fawzi**. Optical Coherence Tomography Findings in Deferasirox-Related Maculopathy. *Retinal Cases and Brief Reports*, 2010; 4 (3): 229-232.

157. O'hearn TM, **Fawzi A**, Esmaili D, Javaheri M, Rao NA, Lim JI. Presumed ocular tuberculosis presenting as a branch retinal vein occlusion in the absence of retinal vasculitis or uveitis. *Br J Ophthalmol*. 2007 Jul; 91(7):981
158. **Fawzi AA**, Cunningham ET Jr. Central serous chorioretinopathy after bone marrow transplantation. *Am J Ophthalmol*. 2001; 131(6):804-5.
159. Parwar BL, **Fawzi AA**, Arnold AC, Schwartz SD. Horner's syndrome and dissection of the internal carotid artery after chiropractic manipulation of the neck. *Am J Ophthalmol*. 2001;131(4):523-4.

### **GROUP/STUDY PEER-REVIEWED AUTHORSHIP**

160. Pauleikhoff D, Bonelli R, Dubis AM, Gunnemann F, Rothaus K, Charbel PI, Heeren TF, Peto T, Clemons TE, Chew EY, Bird AC. Progression characteristics of ellipsoid zone loss in macular telangiectasia type 2. *Acta ophthalmologica*. 2019 Apr.
161. da Cruz L, Dorn JD, Humayun MS, Dagnelie G, Handa J, Barale PO, Sahel JA, Stanga PE, Hafezi F, Safran AB, Salzmann J. Five-Year Safety and Performance Results from the Argus II Retinal Prosthesis System Clinical Trial. *Ophthalmology*. 2016 Jul 21.
162. Kempen JH, Van Natta ML, Altaweel MM, Dunn JP, Jabs DA, Lightman SL, Thorne JE, Holbrook JT; Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group. Factors Predicting Visual Acuity Outcome in Intermediate, Posterior, and Panuveitis: The Multicenter Uveitis Steroid Treatment (MUST) Trial. *Am J Ophthalmol*. 2015 Dec;160(6):1133-1141.e9. doi: 10.1016/j.ajo.2015.09.017. Epub 2015 Sep 18. PMID: 26386159
163. Tomkins-Netzer O, Lightman S, Drye L, Kempen J, Holland GN, Rao NA, Stawell RJ, Vitale A, Jabs DA; Multicenter Uveitis Steroid Treatment Trial Research Group. Outcome of Treatment of Uveitic Macular Edema: The Multicenter Uveitis Steroid Treatment Trial 2-Year Results. *Ophthalmology*. 2015 Nov;122(11):2351-9. doi: 10.1016/j.ophtha.2015.07.036. Epub 2015 Sep 7. PMID: 26359188
164. Multicenter Uveitis Steroid Treatment (MUST) Trial Follow-up Study Research Group. Quality of Life and Risks Associated with Systemic Anti-inflammatory Therapy versus Fluocinolone Acetonide Intraocular Implant for Intermediate Uveitis, Posterior Uveitis, or Panuveitis: Fifty-four-Month Results of the Multicenter Uveitis Steroid Treatment Trial and Follow-up Study. *Ophthalmology*. 2015 Oct;122(10):1976-86. doi: 10.1016/j.ophtha.2015.06.043. Epub 2015 Aug 19. PMID: 26298718
165. Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group, Kempen JH, Altaweel MM, Drye LT, Holbrook JT, Jabs DA, Sugar EA, Thorne JE. Benefits of Systemic Anti-inflammatory Therapy versus Fluocinolone Acetonide Intraocular Implant for Intermediate Uveitis, Posterior Uveitis, and Panuveitis: Fifty-four-Month Results of the Multicenter Uveitis Steroid Treatment

- (MUST) Trial and Follow-up Study. *Ophthalmology*. 2015 Oct;122(10):1967-75. doi: 10.1016/j.ophtha.2015.06.042. Epub 2015 Aug 20. PMID: 26298715
166. Kuppermann BD, Goldstein M, Maturi RK, Pollack A, Singer M, Tufail A, Weinberger D, Li XY, Liu CC, Lou J, Whitcup SM; Ozurdex® ERIE Study Group. Dexamethasone Intravitreal Implant as Adjunctive Therapy to Ranibizumab in Neovascular Age-Related Macular Degeneration: A Multicenter Randomized Controlled Trial. *Ophthalmologica*. 2015;234(1):40-54. doi: 10.1159/000381865. Epub 2015 Jun 18.
167. Ho AC, Humayun MS, Dorn JD, da Cruz L, Dagnelie G, Handa J, Barale PO, Sahel JA, Stanga PE, Hafezi F, Safran AB, Salzmann J, Santos A, Birch D, Spencer R, Cideciyan AV, de Juan E, Duncan JL, Elliott D, Fawzi A, Olmos de Koo LC, Brown GC, Haller JA, Regillo CD, Del Priore LV, Arditi A, Geruschat DR, Greenberg RJ; Argus II Study Group. Long-Term Results from an Epiretinal Prosthesis to Restore Sight to the Blind. *Ophthalmology*. 2015 Aug;122(8):1547-54. doi: 10.1016/j.ophtha.2015.04.032. Epub 2015 Jul 8. PMID: 26162233
168. Kozak I, Vaidya V, Van Natta ML, Pak JW, May KP, Thorne JE; Studies of the Ocular Complications of AIDS Research Group. The prevalence and incidence of epiretinal membranes in eyes with inactive extramacular CMV retinitis. *Invest Ophthalmol Vis Sci*. 2014 Jun 12;55(7):4304-12. PMID: 24925880
169. Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group, Sugar EA, Holbrook JT, Kempen JH, Burke AE, Drye LT, Thorne JE, Louis TA, Jabs DA, Altaweel MM, Frick KD. Cost-effectiveness of fluocinolone acetonide implant versus systemic therapy for noninfectious intermediate, posterior, and panuveitis. *Ophthalmology*. 2014 Oct;121(10):1855-62. PMID: 24908205
170. Kempen JH, Sugar EA, Jaffe GJ, Acharya NR, Dunn JP, Elner SG, Lightman SL, Thorne JE, Vitale AT, Altaweel MM; Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group. Fluorescein angiography versus optical coherence tomography for diagnosis of uveitic macular edema. *Ophthalmology*. 2013 Sep;120(9):1852-9. Epub 2013 May 21. PMID: 23706700
171. Friedman DS, Holbrook JT, Ansari H, Alexander J, Burke A, Reed SB, Katz J, Thorne JE, Lightman SL, Kempen JH; MUST Research Group. Risk of elevated intraocular pressure and glaucoma in patients with uveitis: results of the multicenter uveitis steroid treatment trial. *Ophthalmology*. 2013 Aug;120(8):1571-9. PMID: 23601801
172. Jabs DA, Ahuja A, Van Natta M, Dunn JP, Yeh S; Studies of the Ocular Complications of AIDS Research Group. Comparison of treatment regimens for cytomegalovirus retinitis in patients with AIDS in the era of highly active antiretroviral therapy. *Ophthalmology*. 2013 Jun;120(6):1262-70. PMID: 23419804

173. Gangaputra S, Drye L, Vaidya V, Thorne JE, Jabs DA, Lyon AT; Studies of the Ocular Complications of AIDS (SOCA) Research Group. Non-cytomegalovirus ocular opportunistic infections in patients with acquired immunodeficiency syndrome. *Am J Ophthalmol*. 2013 Feb;155(2):206-212. PMID: 23068916
174. Use of the Argus II retinal prosthesis to improve visual guidance of fine hand movements. Barry MP, Dagnelie G; Argus II Study Group. *Invest Ophthalmol Vis Sci*. 2012 Aug 1;53(9):5095-101. PMID: 22661464
175. Sen HN, Drye LT, Goldstein DA, Larson TA, Merrill PT, Pavan PR, Sheppard JD, Burke A, Srivastava SK, Jabs DA; Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group. Hypotony in patients with uveitis: The Multicenter Uveitis Steroid Treatment (MUST) Trial. *Ocul Immunol Inflamm*. 2012 Apr;20(2):104-12. PMID: 22409563
176. Sugar EA, Jabs DA, Ahuja A, Thorne JE, Danis RP, Meinert CL; Studies of the Ocular Complications of AIDS Research Group. Incidence of cytomegalovirus retinitis in the era of highly active antiretroviral therapy. *Am J Ophthalmol*. 2012 Jun;153(6):1016-24. PMID: 22310076
177. Frick KD, Drye LT, Kempen JH, Dunn JP, Holland GN, Latkany P, Rao NA, Sen HN, Sugar EA, Thorne JE, Wang RC, Holbrook JT; Multicenter Uveitis Steroid Treatment-MUST Trial Research Group. Associations among visual acuity and vision- and health-related quality of life among patients in the multicenter uveitis steroid treatment trial. *Invest Ophthalmol Vis Sci*. 2012 Mar 9;53(3):1169-76. PMID: 22247489
178. Gangaputra SS, Altaweel MM, Peng Q, Friedman DS, Rao PK, Foster CS, Kim RY, Reed SB, Srivastava SK, Wong IG, Kempen JH; MUST Trial Research Group. Morphologic assessment for glaucoma in the Multicenter Uveitis Steroid Treatment (MUST) trial. *Ocul Immunol Inflamm*. 2011 Aug;19(4):267-74. PMID: 21770805
179. Holbrook JT, Colvin R, van Natta ML, Thorne JE, Bardsley M, Jabs DA; Studies of Ocular Complications of AIDS (SOCA) Research Group. Evaluation of the United States public health service guidelines for discontinuation of anticytomegalovirus therapy after immune recovery in patients with cytomegalovirus retinitis. *Am J Ophthalmol*. 2011 Oct;152(4):628-637. PMID: 21742304
180. Sezgin E, van Natta ML, Ahuja A, Lyon A, Srivastava S, Troyer JL, O'Brien SJ, Jabs DA; Studies of the Ocular Complications of AIDS Research Group. Association of host genetic risk factors with the course of cytomegalovirus retinitis in patients infected with human immunodeficiency virus. *Am J Ophthalmol*. 2011 Jun;151(6):999-1006. PMID: 21396623
181. Puhan MA, Van Natta ML, Palella FJ, Addressi A, Meinert C; Ocular Complications of AIDS Research Group. Excess mortality in patients with AIDS in the era of highly active antiretroviral therapy: temporal changes and risk factors. *Clin Infect Dis*. 2010 Oct 15;51(8):947-56. PMID: 20825306



182. Jabs DA, Ahuja A, Van Natta M, Lyon A, Srivastava S, Gangaputra S; Studies of the Ocular Complications of AIDS Research Group. Course of cytomegalovirus retinitis in the era of highly active antiretroviral therapy: five-year outcomes. *Ophthalmology*. 2010 Nov;117(11):2152-61. PMID: 20673591

## PATENTS

1. **A Fawzi**, H Ameri, MS Humayun. Ultrasound and microbubbles in ocular diagnostics and therapies. - US Patent 8,764,658, 2014
2. **A Fawzi**, H Ameri, MS Humayun. Ultrasound and microbubbles in ocular diagnostics and therapies. US Patent App. 15/453,150, 2018
3. W Liu, L Duan, HF Zhang, KJ Patel, H Li, B Dong, **AA Fawzi**. Devices, methods, and systems of functional optical coherence tomography. US Patent App. 15/583,615, 2018

## MANUSCRIPTS IN PROCESS OF PEER REVIEW

1. A Onishi, A Treister, J Ma MD, PL Nesper, **AA Fawzi**, A Anchala. Parafoveal Vessel Changes Measured by Optical Coherence Tomography Angiography in Primary Open Angle Glaucoma and Normal-Tension Glaucoma Eyes.
2. P S. Micevych, B T. Soetikno, **AA. Fawzi**. Quantifying arteriovenous differences in macular telangiectasia type 2.
3. P S. Micevych, H E. Lee, **A A. Fawzi**. Overlap between telangiectasia and photoreceptor loss increases with progression of macular telangiectasia type 2.
4. AE. Fayed, AM. Abdelbaki, O El Zawahry and **AA. Fawzi**. Optical coherence tomography angiography reveals progressive worsening of retinal vascular geometry in diabetic retinopathy and its improvement after panretinal photocoagulation.
5. Paul S. Micevych, Brian T. Soetikno, and **Amani A. Fawzi**. Perivenular capillary loss: an early, quantifiable change in macular telangiectasia type 2
6. YS Zhang, HE Lee, Changyow C. Kwan, Gregory W. Schwartz, **Amani A. Fawzi**. Caffeine Disrupts Neurovascular Coupling during dark to light adaptation in healthy individuals revealed on optical coherence tomography angiography
7. CC Kwan, HE Lee, G Schwartz, and **AA. Fawzi**. Reversal of Neurovascular Coupling Following Acute Hyperglycemia During Dark to Light Adaptation in Healthy Subjects on Optical Coherence Tomography Angiography.
8. AC. Onishi, LM. Jampol, **AA. Fawzi**. Optic Nerve Head Masses Treated with Photodynamic Therapy

9. JM Simonett, T Siddique, NJ Volpe, N Siddique, **AA Fawzi**. Spatacsin Maculopathy: Insights from Multimodal Imaging.
10. **A.A. Fawzi**, G.N. Holland, P.S. Kalyani, F. Yu, S. Satta, O. Tan, R. Konduru, R. Wenby, H.J. Meiselman and D Huang. Retinal vessel caliber in people with Human immunodeficiency Virus Disease. Relationships with hemorheologic factors and retinal nerve fiber layer thickness.

### ***NON-PEER REVIEWED AND INVITED ARTICLES***

1. Onishi, Alex C., and **Amani A. Fawzi**. An overview of optical coherence tomography angiography and the posterior pole. Therapeutic advances in ophthalmology 11 (2019): 2515841419840249.
2. B. Soetikno, **A.A. Fawzi**. Visible-light OCT for Metabolic Retinal Imaging. Retina Times, Imaging section. August 2016.
3. M. Heiferman, J.Simonett, **AA Fawzi**. En Face Optical Coherence Tomography in Retinal Disease. Retinal Physician, June 2015.
4. MA. Sohrab, **AA. Fawzi**. Review of En-Face Choroidal Imaging Using Spectral-Domain Optical Coherence Tomography. Medical Hypothesis, Discovery & Innovation Ophthalmology Journal. 2013 Autumn; 2(3): 69–73.
5. Gendy, M, **Fawzi, AA**: What is the Diagnosis? Ocular Surgery News. April 2013.
6. Labriola, L, **Fawzi, AA**: What is the Diagnosis? Ocular Surgery News. April 2012.
7. Honowitz, S, Sohrab, M, **Fawzi AA**. Retinal Manifestations of Renal and Connective Tissue Disease. International Ophthalmology Clinics, 2012 Winter;52(1):93-105.
8. Labriola, L, Jeng, D, **Fawzi AA**. Retinal toxicity of Systemic Medications. International Ophthalmology Clinics, 2012 Winter;52(1):149-66.
9. J. Hwang, J. Gasperini, **Fawzi, AA**. Is Tachyphylaxis a Concern in Anti-VEGF Therapy? Retinal Physician, Spring 2011.
10. **Fawzi, AA**. Management of Submacular Hemorrhage in Patients with AMD: An Imaging Perspective. OCT guides decision-making in these complex cases. Retina Today, Spring 2010.
11. **Fawzi, AA**. Functional Retinal Imaging. Retina Times, Fall 2009.
12. Hemeida T.S., **Fawzi, AA**. Long Term Visual and Anatomic Outcomes Following Anti-VEGF Monotherapy for Retinal Angiomatous Proliferation. Ophthalmology Times, summer, 2009.
13. Abdallah W, **Fawzi, AA**. Anti-VEGF Therapy in Proliferative Diabetic Retinopathy. International Ophthalmology Clinics, Spring 2009 - Volume 49 - Issue 2 - pp 95-107.
14. **Fawzi AA**, Hyperspectral camera images allow measurement of retinal oxygen levels, Ophthalmology Times, 2008
15. **Fawzi A A**, Abdallah W. Posterior segment imaging and high resolution optical coherence tomography. Ophthalmology International, 2008.

16. **Fawzi AA.** Macular function testing. Submitted in partial fulfillment of M.Sc. degree in Ophthalmology. Cairo University Press, 1996.
17. **Fawzi AA.** Factors affecting visual outcome in eyes with ruptured globe. Submitted in partial fulfillment of MD (D.Sc.) degree in Ophthalmology. Cairo University Press, 1999.

### C. Books and Book Chapters

1. P Roberts, **AA. Fawzi:** Fundus Autofluorescence Imaging. Curbside Consultation in Retina: 49 Clinical Questions. Sharon Fekrat (Editor). Slack Inc. Publishers, in press.
2. Scarinci, F., **Fawzi, AA,** Goldstein, DA. I: En Face OCT Imaging of Posterior. In Multimodal Imaging in Uveitis. Editors: Russell Read and Nida Sen. Springer, In press.
3. MA. Sohrab, S. Sadda, **A.A. Fawzi:** En Face Imaging of Reticular Pseudodrusen. In: Clinical en face OCT Atlas. Editor. Bruno Lumbroso. Publisher: Jaypee Brothers Medical Publishers, 2014.
4. DM. Wu, **AA. Fawzi.** Abnormalities of Cone and Rod Function. In Retina. 5<sup>th</sup> Edition. Ryan, S.J. (Editor). Elsevier, Publishers. 2013.
5. JL.Berry, **AA.Fawzi:** Heritable diseases of the RPE, Bruch's membrane and choriocapillaris. In: Wright KW, Strube YJ, eds. Pediatric Ophthalmology and Strabismus. 3rd ed. New York, NY: Oxford University Press; 2012.
6. **AA. Fawzi:** Which Patients Should I Refer for Electrophysiology Testing and What Might the Test Show? Curbside Consultation in Retina: 49 Clinical Questions. Sharon Fekrat (Editor). Slack Inc. Publishers, 2010.
7. TS. Hemeida, **AA. Fawzi:** OCT in Diabetic Retinopathy. In : Imagine the Eye from Front to Back with the RTVue Fourier Domain OCT.” Slack Inc. Publishers, 2010
8. W. Abdallah, **AA. Fawzi:** Functional Retinal Imaging. In: Emerging Technologies in Retinal Diseases. S. Saxena, S.R. Sadda. Publisher: Jaypee Brothers Medical Publishers, 2009. Chapter 2; pages 15-38.
9. **AA. Fawzi,** JM. Stewart, M A. Samuel: Retinal Detachment/Proliferative Vitreal-Retinopathy. In Evidence-Based Eye Care: Clinical Trials and Beyond. Peter J. Kertes and T. Mark Johnson (Editors). Publisher: Lippincott Williams & Wilkins. Section IV; pages 204-223.
10. J. Chao, **AA. Fawzi,** JI. Lim. Genetics of macular degeneration. In: Age-Related Macular Degeneration. Second edition. Jennifer I. Lim (Editor). Chapter 24.
11. **AA. Fawzi,** H. Syed, R. Michels: Drugs in Ophthalmology. Donald S. Fong (Editor), Simon K. Law (Editor), Ursula M. Schmidt-Erfurth (Editor). Publisher: Springer; 1st edition, 2006.

### C. Abstracts

1. Roman V. Kuranov; Ian Rubinoff; Yuanbo Wang; Lisa Beckmann; Xian Zhang; **Amani A Fawzi;** Hiroshi Ishikawa; Joel Schuman; Hao F Zhang. Enhanced imaging of the outer retina layers using

- speckle-reduced visible-light optical coherence tomography. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):1297.
2. Hee Eun Lee; Yiyang Wang; Alaa E Fayed; **Amani A Fawzi**. Characterizing the relationship between collateral vessel development and vessel density in retinal vein occlusion using optical coherence tomography angiography. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):1712.
3. Alaa E Fayed; **Amani A Fawzi**. Projection resolved optical coherence tomography angiography to distinguish flow signal in retinal angiomatous proliferation from flow artifact. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):3080.
4. Cherilyn Mae Acorda Palochak; Hee Eun Lee; Stephen A Burns; **Amani A Fawzi**. Noninvasive High-resolution Measurement of Retinal Blood Velocity and Flow. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):5735.
5. Michael Heiferman; **Amani A Fawzi**. Progression of Subclinical Choroidal Neovascularization in Age-Related Macular Degeneration. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):1149.
6. Brian Soetikno; Lisa Beckmann; Danlei Qiao; Naomi Benson; Xian Zhang; Xiao Shu; Ian Rubinoff; Roman Kuranov; **Amani A Fawzi**; Hao F Zhang. Advanced image processing for visible-light OCT oximetry in rodents. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):1272.
7. Yi Stephanie Zhang; Nina Zhou; Brianna Knoll; Sahej Samra; Mallory Ward; Sandra Weintraub; **Amani A Fawzi**. Macular Capillary Loss in Cognitive Impairment and Correlation Between Cognitive Performance and Vessel Density in the Macula and Disc. *Invest. Ophthalmol. Vis. Sci.* 2019; 60(9):4562.
8. Swetapadma Tripathy; Hong-Gam T Le; **Amani Fawzi**; Jeffrey Liu; Manjot Gill. Optical Coherence Tomography Angiography (OCTA) in Retinal Vein Occlusion following Anti-Vascular Endothelial Growth Factor (VEGF) Therapy for Retinal Edema. *Invest. Ophthalmol. Vis. Sci.* 2018; 59(9):4264.
9. Brian Soetikno; Lisa Beckmann; Xian Zhang; Hyun Jung Ryu; **Amani Fawzi**; Hao F. Zhang. Longitudinal characterization of branched retinal vein occlusions created by imaging-guided photocoagulation. *Invest. Ophthalmol. Vis. Sci.* 2018; 59(9):5820
10. Peter L Nesper; Mozziyar Etemadi; J. Alex Heller; **Amani Fawzi**. Hyperspectral fundus imaging and automated dimensionality reduction in eyes with age-related macular degeneration. *Invest. Ophthalmol. Vis. Sci.* 2018; 59(9):3226.
11. Alison Treister; Peter L Nesper; Alaaedin Fayed; Rukhsana Mirza; Manjot Gill; **Amani Fawzi**. Cross-Sectional Study to Identify Prevalence of Subclinical Choroidal Neovascularization in Patients with Unilateral Exudative Age-Related Macular Degeneration at a Tertiary Retina Clinic. *Invest. Ophthalmol. Vis. Sci.* 2018; 59(9):3227.

12. Sarah Sunshine; Alex Song; Emma Griebenow; Evica Simjanoski; **Amani Fawzi**; Nicholas J Volpe  
Optical Coherence Tomography Angiography (OCTA) reveals microvasculature loss in Non  
Arteritic Anterior Ischemic Optic Neuropathy (NAION). *Invest. Ophthalmol. Vis. Sci.*. 2018;  
59(9):3365.
13. Ria Desai; Peter L Nesper; Debra A Goldstein; **Amani A Fawzi**; Lee M Jampol; Manjot Gill.  
Optical Coherence Tomography Angiography Imaging in Serpiginous Choroidopathy. *Invest.  
Ophthalmol. Vis. Sci.*. 2017;58(8):5938
14. Michael J. Heiferman; Peter L Nesper; Manjot Gill; **Amani A Fawzi**. Multimodal Imaging of  
Retinal Vein Occlusions using Optical Coherence Tomography Angiography and En Face Optical  
Coherence Tomography. *Invest. Ophthalmol. Vis. Sci.*. 2017;58(8):3677
15. Michelle Lajko; Herminio Joey Cardona; Joann M. Taylor; Kathryn N Farrow; **Amani A Fawzi**.  
Inflammatory infiltrates in hyperoxia-induced proliferative retinopathy in C57BL/6J and C57BL/6N  
strains. *Invest. Ophthalmol. Vis. Sci.*. 2017;58(8):3461
16. Philipp Ken Roberts; Peter L Nesper; Alex Onishi; Haitao Chai; Lei Liu; **Amani A Fawzi**.  
Quantifying Microvascular Abnormalities with Increasing Disease Severity in Diabetes Mellitus.  
*Invest. Ophthalmol. Vis. Sci.*. 2017;58(8):1865
17. Jeffrey Ma; Peter L Nesper; Anupama Anchala; **Amani A Fawzi**. Optical Coherence Tomography  
Angiography in Glaucoma. *Invest. Ophthalmol. Vis. Sci.*. 2017;58(8):1678
18. Brian Soetikno; Xiao Shu; Qi Liu; Wenzhong Liu; Siyu Chen; Lisa Beckmann; **Amani A Fawzi**;  
Hao F Zhang. Monitoring retinal vascular occlusions in rodents with OCT angiography. *Invest.  
Ophthalmol. Vis. Sci.*. 2017;58(8):4871
19. Hao F Zhang; Siyu Chen; Xiao Shu; Peter L Nesper; **Amani A Fawzi**; Wenzhong Liu. Visible-light  
Optical Coherence Tomography Oximetry in Healthy Individuals. *Invest. Ophthalmol. Vis. Sci.*.  
2017;58(8):3100
20. Peter L Nesper; **Amani A Fawzi**. Distinguishing Choroidal Neovascularization from Residual  
Choroidal Vessels in Geographic Atrophy on OCT Angiography. *Invest. Ophthalmol. Vis. Sci.*.  
2017;58(8):376
21. Joel Kaluzny; Hao Li; Peter L Nesper; Wenzhong Liu; Hao F Zhang; **Amani Fawzi**. Hyperspectral  
Measurement of Retinal Oximetry in Diabetes *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):3743.
22. Pooja Gupta Garg; Andy Lee; Alice T Lyon; Rukhsana Mirza; **Amani Fawzi**; Manjot Gill Clinical  
outcomes and OCT analysis of Anti-VEGF treatments with neovascular aged-related macular  
degeneration. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):4982.
23. Peter L Nesper; Fabio Scarinci; Joseph Simonett; **Amani A Fawzi**. Photoreceptor outer segment  
disruption in diabetic macular ischemia. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):5105.

24. Komal Joshi; Peter L Nesper; **Amani A Fawzi**; Rukhsana Mirza. OCT Angiography in Adult Onset Foveomacular Vitelliform Dystrophy. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):2704.
25. Matthew Nguyen; Michelle Lajko; William Chang; **Amani A Fawzi**. Biomolecular Markers of Angiogenesis in Proliferative Diabetic Retinopathy. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):5425.
26. Hao F Zhang; Ji Yi; Siyu Chen; Xiao Shu; **Amani A Fawzi**. Optical coherence tomography using visible light on human subjects. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):1667.
27. Sheena Khanna; Peter L Nesper; Debra A Goldstein; Anjum Faruk Koreishi; **Amani A Fawzi**. Characterization of Birdshot Chorioretinopathy Using Adaptive Optics Scanning Laser Ophthalmoscopy. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):72. doi:
28. Siyu Chen; Xiao Shu; Ji Yi; **Amani A Fawzi**; Hao F Zhang. Dual-band optical coherence tomography using a single supercontinuum laser source. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):471.
29. Justin Park; Brian Soetikno; Peter L Nesper; **Amani A Fawzi**. Optical Coherence Tomography Angiography of Three Retinal Capillary Networks. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):5481.
30. Brian Soetikno; Justin Park; Hao F Zhang; **Amani A Fawzi**. Artifact Removal and 3D Visualization for OCT Angiography. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):448. doi:
31. Alex Onishi; Peter Nesper; Lee M Jampol; **Amani A Fawzi**. Adaptive Optics Scanning Laser Ophthalmoscopy Compared to Multimodal Retinal Imaging in White Spot Syndromes. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):5100. doi:
32. Jonathan Chou; Errol Chan; Joseph Simonett; **Amani A Fawzi**. A New Quantitative Approach in Analyzing Polypoidal Choroidal Vasculopathy In Vivo Using En Face Optical Coherence Tomography. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):4257.
33. Michael J Heiferman; **Amani A Fawzi**. Discordance between Blue-Light Autofluorescence and Near-Infrared Autofluorescence in Age-Related Macular Degeneration. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):25.
34. Ronil Shah; Brian Soetikno; Ji Yi; Wenzhong Liu; Dimitra Skondra; Hao F Zhang; **Amani A Fawzi**. Simultaneous comparison of mouse laser-induced choroidal neovascularization histology with visible-light optical coherence tomography angiography. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):1623. doi:
35. Michelle Lajko; Herminio J. Cardona; Joann M. Taylor; Kathryn N. Farrow; **Amani A Fawzi**. Retinal HIF-1 $\alpha$  and VEGF levels differ between C57BL/6N and C57BL/6J mice with hyperoxia induced lung injury. *Invest. Ophthalmol. Vis. Sci.*. 2016; 57(12):3629.

36. J Kaluzny, P Purta, Z Poskin, J Rogers, **AA Fawzi**. Autofluorescence changes in the AMD retina. *Investigative Ophthalmology & Visual Science* ; 2015, 56 (7), 2820-2820.
37. B Soetikno, J Yi, P Purta, RS Shah, HF Zhang, **AA Fawzi**. Oxygen Metabolism of the Inner Retina in the 50/10 Rat Model of Retinopathy of Prematurity. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 3310-3310
38. M Lajko, H J Cardona, JM Taylor, R Shah, N A Dmitrieva, K N Farrow, **A A Fawzi**. Retinal Oxidative Stress in a Mouse Model of Bronchopulmonary Dysplasia. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 18-18
39. X Chen, E Rahimy, N Choudhry, **A A Fawzi**, AC Ho, J-P Hubschman, M R Munk, R Sergott, E C Souza, D Sarraf. Spectrum of Retinal Vascular Diseases Associated with Paracentral Middle Maculopathy. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 5926-5926
40. M Heiferman, JK Fernandes, MR Munk, R Mirza, LM Jampol, **AA Fawzi**. Reticular pseudodrusen on infrared reflectance are topographically distinct from subretinal drusenoid deposits on en face optical coherence tomography. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 5145-5145
41. R Huang, J Simonett, N Siddique, J Armstrong, LKinsley, T Siddique, N J Volpe, **A A Fawzi**. Visual Function in Patients with Amyotrophic Lateral Sclerosis. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 517-517
42. J Simonett, R Huang, N Siddique, S Farsiu, T Siddique, N J Volpe, **A A Fawzi**. Retinal Structural Changes in Amyotrophic Lateral Sclerosis (ALS). *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 5434-5434
43. LM Cohen, DA Goldstein, **AA Fawzi**. Structure-Function Relationships in Uveitic Cystoid Macular Edema: Using En Face Optical Coherence Tomography to Predict Vision. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 6177-6177
44. F Scarinci, A Shaarawy, LM Jampol, **AA Fawzi**. Longitudinal Evaluation of Hydroxychloroquine Retinal Toxicity using Optical Coherence Tomography. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 1788-1788
45. W Chang, RS Shah, M Lajko, **AA Fawzi**. Molecular Markers in Proliferative Diabetic Retinopathy. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 5197-5197
46. B Knoll, M Ward, S Weintraub, **AA Fawzi**, NJ Volpe. Structural and Functional Ocular Manifestations of Mild Cognitive Impairment. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 3370.
47. RS Shah, B Soetikno, J Yi, HF Zhang, **AA Fawzi**. Histopathological correlation of optical coherence tomography angiography in laser-induced choroidal neovascularization. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 3331.

48. J Yi, RS Shah, B Soetikno, **AA Fawzi**, HF Zhang. Longitudinal monitoring of choroidal neovascularization by OCT angiography in mice. *Investigative Ophthalmology & Visual Science*; 2015, 56 (7), 3328-3328
49. AR Soneru; M R Munk; P Lin; **A A Fawzi**; DA Goldstein. Multimodal Imaging of lesions in Birdshot Chorioretinopathy. *Ophthalmol. Vis. Sci.*. 2014; 55(13):5311.
50. D S Grewal; D Merlau; MR Munk; **A A Fawzi**; LM Jampol; AP Tanna. Comparison of Peripapillary Schisis Visualized on OCT in Glaucoma and Glaucoma Suspect Patients Compared to a Control Population. *Invest. Ophthalmol. Vis. Sci.*. 2014; 55(13):4733.
51. H F Zhang; Ji Yi; W Liu; S Chen; **AA Fawzi**; N Sheibani; RA Linsenmeier. Investigating outer retinal oxygen supply using visible-light OCT *Invest. Ophthalmol. Vis. Sci.*. 2014; 55(13):5022.
52. M R Munk; J J Jung; K Biggee; U Schmidt-Erfurth; WR Tucker; H N Sen; **A A Fawzi**; LM Jampol. Idiopathic multifocal choroiditis (MFC)/punctate inner choroidopathy (PIC) with acute photoreceptor loss out of proportion to clinically visible lesions. *Invest. Ophthalmol. Vis. Sci.*. 2014; 55(13):2856.
53. D Baddar; M R Munk; R Shah; B Wong; F Pappas; S Khan; LM Jampol; **AA Fawzi**. Multimodal Imaging and the Effect of Half-fluence PDT on Choroidal Volume in Central Serous Chorioretinopathy. *Invest. Ophthalmol. Vis. Sci.*. 2014; 55(13):3354.
54. A Johri; R Post; B Ganti; **AA Fawzi**; P Sajda; T Ach; CA Curcio; T Smith. Mathematical modeling of retinal pigment epithelium (RPE) autofluorescence (AF) with Gaussian mixture models and non-negative matrix factorization (NMF). *Invest. Ophthalmol. Vis. Sci.*. 2014; 55(13):3827.
55. M A Sohrab; J A Pacheco; G Hayes; ME Smith; **AA Fawzi**. Algorithm Development for Electronic Medical Record (EMR)-Based Classification and Staging of Age-Related Macular Degeneration (AMD). *Invest. Ophthalmol. Vis. Sci.*. 2014; 55(13):2210.
56. S Srinivas; M Nittala; JC. Lee; O Tan; **AA. Fawzi**; David Huang; Srinivas Sadda. Assessment of Retinal Blood Flow in Diabetic Retinopathy Using Doppler Fourier-Domain Optical Coherence Tomography . *Invest. Ophthalmol. Vis. Sci.*. 2013; 54(15):39.
57. SD. Rollins; J Chou; JM. Taylor; G Kim; KN. Farrow; **AA. Fawzi**. An Analysis of the Retinal Vascular Development in a Mouse Model of Bronchopulmonary Dysplasia . *Invest. Ophthalmol. Vis. Sci.*. 2013; 54(15):598.
58. E Rahimy; D Sarraf; **AA. Fawzi**; E H. Sohn; I A. Barbazetto; D N. Zacks; R A. Mitra; SMrejen; NR. Goldberg; K B Freund. Acute Macular Neuroretinopathy: New Insights into Pathogenesis and Association with Retinal Capillary Ischemia. *Invest. Ophthalmol. Vis. Sci.*. 2013; 54(15):3607.
59. J Simonett; J Chou; N Siddique; J L. Armstrong; **A A. Fawzi**; Teepu Siddique; Nicholas J. Volpe. Ocular Manifestations and Optic Nerve Changes in Patients with Amyotrophic Lateral Sclerosis (ALS) . *Invest. Ophthalmol. Vis. Sci.*. 2013; 54(15):4382.



60. J Chou; SD. Rollins; D S. Grewal; S Khan; Amani A. Fawzi. Pilot Study of the Topographic Correlation Between Reticular Pseudo-drusen and the Choroidal Vasculature Using En Face Optical Coherence Tomography . Invest. Ophthalmol. Vis. Sci.. 2013; 54(15):4855.
61. A D. Birnbaum; **AA. Fawzi**; LM. Rifkin; D A. Goldstein. Correlation between Disease Activity and Choroidal Patterns by OCT-EDI in Birdshot Chorioretinopathy. Invest. Ophthalmol. Vis. Sci.. 2013; 54(15):5204.
62. S Wehrli; M Mets; IS. Kassem; **AA. Fawzi**; NF. Azar; IH. Maumenee. Biometric characteristics of the Marfan eye: From the Marfan Eye Consortium of Chicago. Invest. Ophthalmol. Vis. Sci.. 2013; 54(15):5709.
63. S Rahmani; **A A. Fawzi**; Alice T. Lyon; I H. Maumenee; M Mets. Ultra-widefield retinal imaging documentation and analysis of peripheral retinal disease in Marfan syndrome: From the Marfan Eye Consortium of Chicago . Invest. Ophthalmol. Vis. Sci.. 2013; 54(15):5845.
64. W Xu; S Kurup; **AA. Fawzi**; MK. Durbin; IH. Maumenee; M Mets. Macular and Optic Nerve Optical Coherence Tomography in Marfan Patients: from the Marfan Eye Consortium of Chicago . Invest. Ophthalmol. Vis. Sci.. 2013; 54(15):5851.
65. M G. Gendy; **A. A. Fawzi**; RT. Wendel; DJ. Pieramici; JA. Miller; DM. Brown; L M. Jampol. Multimodal imaging in Persistent Placoid Maculopathy. Invest. Ophthalmol. Vis. Sci.. 2013; 54(15):5852
66. M. A. Sohrab, K. Wu, L.T. Labriola, T. Smith, **A.A. Fawzi**. Choroidal Thickness In Vivo Using Optical Coherence Tomography (OCT) in Early Age-Related Macular Degeneration (AMD), Reticular Pseudodrusen (RPD) and Normal Eyes. ARVO abstract 2012; 53:2121
67. J. C. Lee, B. Wong, E.Rakhshan, O. Tan, S. R. Sadda, D. Huang, **A. A. Fawzi**. Retinal Blood Flow In Proliferative Diabetic Retinopathy By Fourier-domain Optical Coherence Tomography: Measurements Before And After Panretinal Photocoagulation. ARVO abstract 2012: 53:2154
68. T. Smith, Y. Tong, J. Acton, **A.A. Fawzi**, L. Gao, T.S. Tkaczyk. Dynamic Hyperspectral Retinal Oximetry in a Human with the Image Mapping Spectrometer (IMS). ARVO abstract 2012; 53:2185
69. B Wong, LM. Jampol, M Brenner, AT. Lyon, A Sadun, **AA. Fawzi**. Visual and Anatomic Findings after Discontinuation of Hydroxychloroquine in Patients Diagnosed with Toxicity. ARVO abstract 2012; 53:5355
70. DM. Lo, L Olmos, **AA. Fawzi**. Macular Effects of Silicone Oil Tamponade: Optical Coherence Tomography Findings During and After Silicone Oil Removal. ARVO abstract 2012; 53:5800
71. Y Wang, **AA. Fawzi**, O Tan, D Huang. Investigation of Retinal Blood Flow Change in Response to Visual Stimulation with Doppler Fourier Domain Optical Coherence Tomography. Invest. Ophthalmol. Vis. Sci. 2011; 52:1716

72. A.S. Huang, Leo A. Kim, **A. A. Fawzi**. Clinical Characteristics Of A Large Choroideremia Pedigree Carrying A Novel CHM Mutation. *Invest. Ophthalmol. Vis. Sci.* 2011; 52:2370
73. A. T. Wang, S. Honowitz, J. L. Berry, A. L. Murphree, **A.A. Fawzi**. Sonoporation Enhances Cisplatin and Topotecan activity against Y79 Retinoblastoma Cells In Vitro. *Invest. Ophthalmol. Vis. Sci.* 2011; 52:2482
74. P.S. Kalyani, G. N. Holland, **A. A. Fawzi**, T. E. Arantes, F. Yu, A. A. Sadun. Association between Vision Abnormalities and Increased Retinal Nerve Fiber Layer Thickness Among Individuals Infected with Human Immunodeficiency Virus. *Invest. Ophthalmol. Vis. Sci.* 2011; 52:4275
75. A. E. Baranano, P. S. Kalyani, **A. A. Fawzi**, D. Huang, O. Tan, R. Konduru, S. R. Sadda, T. E. Arantes, F. Yu, G. N. Holland. Reduced Retinal Blood Flow Among Individuals Infected with Human Immunodeficiency Virus. *Invest. Ophthalmol. Vis. Sci.* 2011; 52:4276
76. P.S. Kalyani, **A.A. Fawzi**, S. Gangaputra, M.L. Van Natta, G.N. Holland, Studies of the Ocular Complications of AIDS Research Group. Evaluation of Retinal Vessel Caliber in People with AIDS. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 4856.
77. S. Jiao, H.F. Zhang, **A.A. Fawzi**, C.A. Puliafito. OCT-Guided Photoacoustic Ophthalmoscopy. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 3450.
78. L.A. Kim, M. Heur, J. Song, S. Yiu, F. Memarzadeh, **A.A. Fawzi**. Surgical Results of Combined Pars Plana Vitrectomy, Cornea Transplant, With or Without Glaucoma Surgery. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 2569.
79. N.G. Lee, A.T. Wang, T.C. Lee, **A.A. Fawzi**. In vitro Sonoporation of Retinoblastoma Y79 Cells. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 2061.
80. H.F. Zhang, S. Jiao, **A.A. Fawzi**, C.A. Puliafito. Integrated Fiber-Optic Photoacoustic and Confocal Microscope for Ophthalmic Applications. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 1020.
81. G.E. Lee, B.W. Lee, A.A. Sadun, **A.A. Fawzi**. Autofluorescence and Spectral Domain-Optical Coherence Tomography Findings in Patients With Asymptomatic versus Symptomatic Plaque Toxicity. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 321.
82. H. Salehi-had, M.A. Sohrab, R.T. Smith, S.R. Sadda, **A.A. Fawzi**. Characterizing the Lesions of Reticular Pseudodrusen Utilizing Multimodality Imaging With Image Registration. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 319.
83. N. Lee, **A.A. Fawzi**, P. Sajda, A. F. Laine, G. Martin, M.S. Humayun, R.T. Smith. On Hyperspectral Signatures of Drusen. *Invest. Ophthalmol. Vis. Sci.* 2010 51: E-Abstract 4934.
84. T.S. Hemeida, P.A. Keane, S.R. Sadda, **A.A. Fawzi**. Long Term Visual and Anatomic Outcomes Following Anti-VEGF Monotherapy for Retinal Angiomatous Proliferation. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 6203.

85. K.V. Ho, J. Gasperini, A. Walsh, J. Dougall, **A.A. Fawzi**. Structural Correlation of Pre- and Post-operative Changes in Epi-retinal Membranes with Severe Macular Dystopia. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 3256.
86. N.G. Lee, N. Varshney, M. Lin, **A.A. Fawzi**, D. Hinton, T. Lee. Mechanical and Chemical Disruption of Cell Adhesions of Retinoblastoma Y79 Cells Causes Increased Apoptosis and Decreased Proliferation. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 1698.
87. **A.A. Fawzi**, G. Martin, A. Kashani, W. Johnson, D. Wilson, G. Bearman, M.S. Humayun. Snapshot Retinal Oximetry: Improved Vessel Detection and Multispectral Oximetry in Normal Subjects. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 5166.
88. Y. Wang, A. Fawzi, D. Agrawal, O. Tan, A.A. Sadun, D. Huang. Doppler Optical Coherence Tomography Measurement of Retinal Blood Flow in Optic Neuropathies and Retinal Diseases. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 1383.
89. A.H. Kashani, G. Martin, **A.A. Fawzi**, D. Wilson, W. Johnson, G. Bearman, M.S. Humayun. Snapshot Hyperspectral Imaging: Retinal Oxygen Saturation Analysis From Hyperspectral Images of Rabbit Retina. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 1404.
90. W.F. Abdallah, Jr., **A.A. Fawzi**, Jr., H. Ameri, Jr., G. Chader, Sr., M. Humayun. Oxygenation of the Anterior Vitreous in a Rabbit Eye Model of Ischemia Reperfusion. *Invest. Ophthalmol. Vis. Sci.* 2009 50: E-Abstract 153.
91. D Paeng, R Chen, Naoki Matsuoka, Walid Abdallah, Amani Fawzi, Qifa Zhou, Mark Humayun, K. Kirk Shung. In vivo Sonothrombolysis of ear marginal vein and retinal vein of rabbits. 2009 IEEE Ultrasonics Symposium
92. **A.A. Fawzi**, A.H. Kashani, W. Johnson, D. Wilson, W. Fink, G. Bearman, G. Martin, M. Humayun. Snapshot Retinal Oximetry: Results of A Novel Four Wavelength Oximetry Formula in Retinal Hyperspectral Imaging. *Invest. Ophthalmol. Vis. Sci.* 2008 49: E-Abstract 897.
93. N.G. Lee, J.M. Stewart, J. Song, D. Elliott, **A.A. Fawzi**. Novel Retinal Findings in Patients With Alport Syndrome. *Invest. Ophthalmol. Vis. Sci.* 2008 49: E-Abstract 2127.
94. J.L. Gasperini, A. Fawzi, L. Lam, L. Chong, D. Elliott, A. Walsh, S. Sadda. Bevacizumab and Ranibizumab Tachyphylaxis in the Treatment of Choroidal Neovascularization. *Invest. Ophthalmol. Vis. Sci.* 2008 49: E-Abstract 346.
95. B.W. Lee, S.R. Sadda, A.C. Walsh, **A.A. Fawzi**, D. Elliott, L.P. Chong. Photoreceptor Outer Segment Disruption Seen with High Resolution Fourier Domain OCT versus Time Domain OCT. *Invest. Ophthalmol. Vis. Sci.* 2008 49: E-Abstract 2155.
96. **A.A. Fawzi**, A.Srinivasan, W.Johnson, D.Wilson, G.Bearman, M.Humayun. Snapshot Hyperspectral Retinal Oximetry in Retinal Vascular Disease. *Invest. Ophthalmol. Vis. Sci.* 2007 48: E-Abstract 1949.

97. J.I. Lim, O.Tan, **A.A. Fawzi**, J.Hopkins, J.H. Gil-Flamer, D.Huang. Fourier Domain OCT of Retinal Dystrophy Patients Compared to Normal Controls. Invest. Ophthalmol. Vis. Sci. 2007 48: E-Abstract 4499.
98. J.I.Lim, O.Tan, **A.A. Fawzi**, J.Hopkins, J.H. Gil-Flamer, D.Huang. Fourier Domain OCT of Retinal Dystrophy Patients Compared to Normal Controls. AAO, New Orleans, 2007.
99. Kuzin AA, Fawzi AA, O'Hearn TM, Yu DL, Reddy HS, Lim JI. A recent resurgence of ocular tuberculosis with unusual posterior segment manifestations. Invest Ophthalmol Vis Sci 2006;47:ARVO E-Abstract 1909
100. **A.A. Fawzi**, J.I.Lim; Pars Plana Vitrectomy for epiretinal membranes: 20 versus 25 gauge. Invest. Ophthalmol. Vis. Sci. 2006 47: E-Abstract 4653.
101. **A.A. Fawzi**, M. K. Russell, K. J. Lee, K. J. B. Kelly, C. Curry, S. D. Schwartz, K. A. Tawansy; Proliferative Retinopathy in Full-Term Infants with Thromboembolic Risk Factors. Invest. Ophthalmol. Vis. Sci. 2005 46: E-Abstract 4127.
102. M. K. Russell, **A.A. Fawzi**, K A. Tawansy. Fluorescein angiography abnormalities in a case series of Leber Congenital Amaurosis. Invest. Ophthalmol. Vis. Sci. 2005 46: E-Abstract 551.
103. **A.A. Fawzi**, B. Vo, C. Cha, R. Kriwanek, A. Carts, H. Ramkumar, J.R. Heckenlively, R.Y. Foos, and B.J. Glasgow. Asteroid Hyalosis in an Autopsy Population: The UCLA Experience. Invest. Ophthalmol. Vis. Sci. 2003 44: E-Abstract 779.
104. Schwartz SD, **Fawzi AA**, Harrison SA, DeBeus AM. Telemedical versus Standard of Care Retinopathy of Prematurity Screening: Assessment of Intra-examiner Variability Using Retcam120. Invest. Ophthalmol. Vis. Sci. 1999; 40(4):S477. Abstract 2514.