



**CURRICULUM VITAE**

**LAMA A. AL-ASWAD, MD, MPH**

**Contact Information**

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**Current Appointments and Leadership Positions**

**Faculty Appointment**

<b>Year</b>	<b>Academic Title</b>	<b>Institution</b>
6/25/1997- 6/24/1998	Teaching Associate in Medicine.	Boston University School of Medicine Boston, MA
7/1/1998 - 6/30/2001	Clinical Assistant Instructor (HS) Department of Ophthalmology	State University of New York, Downstate Brooklyn, NY
1/30/2002 - 6/30/2002	Instructor in Clinic. Department of Ophthalmology	Columbia University New York, NY
7/1/2002-6/30/2003	Clinical Instructor Department of Ophthalmology	University of Tennessee Health Science Center Memphis, TN
7/14/2003- 4/30/2012	Assistant Professor of Clinical Ophthalmology	Columbia University, College of Physicians and Surgeons New York, NY
5/1/2012- 5/31/2013	Associate Professor of Clinical Ophthalmology	Columbia University, College of Physicians and Surgeons New York, NY
6/1/2013- 6/30/2019	Associate Professor of Ophthalmology	Columbia University, College of Physicians and Surgeons New York, NY
9/1/2019-present	Professor of Ophthalmology	NYU Grossman School of Medicine, NYU Langone Health
12/1/2020-present	Professor of Population Health	NYU Grossman School of Medicine, NYU Langone Health

## Hospital Appointment

7/1/2019-present	Assistant Attending	NYU Langone Health
7/15/2003 – 6/30/2019	Attending	New York Presbyterian Hospital New York, NY
01/30/2002 - 06/30/2002	Assistant attending	Harlem Hospital

## Administrative Leadership Positions

Year	Academic Title	Institution
3/1/2013- 6/30/2019	Glaucoma Fellowship Director Department of Ophthalmology	Columbia University, College of Physicians and Surgeons New York, NY
6/1/2015- 6/30/2019	Chair of Quality Assurance and Patient Safety Department of Ophthalmology	Columbia University, College of of Physicians and Surgeons New York, NY
2016- 6/30/2019	Billing compliance leader. Department of Ophthalmology	Harkness Eye Institute, Columbia University, College of Physicians and Surgeons New York, NY
5/1/2017- 6/30/2019	Director, Tele-ophthalmology Initiative Department of Ophthalmology	Columbia University, College of Physicians and Surgeons New York, NY
9/1/2019-present	Vice Chair for Innovations	NYU School of Medicine, NYU Langone Health
9/1/2019-present	Director of Teleophthalmology Artificial intelligence and Innovations	NYU Langone Eye Center
9/1/2019-present	Associate Director Glaucoma fellowship	NYU School of Medicine, NYU Langone NYU Langone Eye Center

## Education and Training

Education Year	Degree	Field	Institution
1987- 1993	MD	Medicine	Damascus University Medical School Damascus, Syria
1995			USMLE Certificate
2013-2015	MPH	Public Health	Executive MPH in health Care Management and Policy Mailman School of Public Health Columbia University

## Postdoctoral Training

<b>Year</b>	<b>Position/Specialty</b>	<b>Place of Training</b>
8/1/1994 - 1/30/1995	Research Assistant In Ophthalmology	Massachusetts Eye and Ear Infirmary Boston, MA
2/1/1995 – 6/30/1997	Research Fellowship in Ophthalmology.	Massachusetts Eye and Ear Infirmary Harvard Medical School, Boston, MA
10/1/1996- 10/31/1996	Clerkship in Medicine	Mass General Hospital, Harvard Medical School, Boston, MA
7/1/1997 – 6/30/1998	Intern, internal medicine	Boston University School of Medicine Boston, MA
7/1/1998 - 6/30/2001	Resident, Ophthalmology	State University of New York, Downstate, Brooklyn, NY
7/1/2000 – 6/30/2001	Chief Resident, Ophthalmology	State University of New York, Downstate, Brooklyn, NY
7/1/2001 - 9/28/2001	Cornea and Refractive Surgery extra studies	New York Eye and Ear Infirmary
7/1/2002 - 6/30/2003	Glaucoma Fellowship	University of Tennessee Health Science Center, Department of ophthalmology, Memphis, TN
2012 – 2013	Leadership Development Program XV-2013	American Academy of Ophthalmology

## Specialty Certification

<b>Year</b>	<b>Type</b>
2005-2015	Board Certification by the American Board of Ophthalmology
2016-2025	Board Recertification by the American Board of Ophthalmology

## Licensure

<b>Year</b>	<b>License</b>
Current registration Expires 12/31/2020	New York State Medical License # 220452

## Honors and Awards:

2019	Distinguished Service Award Columbia University Department of ophthalmology
2018-	Exceptional Women in Medicine Castle Connolly Medical LTD
2016	Tzu Chi foundation 25 <sup>th</sup> Anniversary: collaboration award the for the glaucoma screening efforts
2014	Bernard Schwartz Award. Best Paper Presentation “Tube versus Trabeculectomy: : A Cost Effective Analysis” American Glaucoma Society
2014	Certificate of Appreciation COP0264 Participation and contribution to the World Ophthalmology Congress 2014 (WOC) Tokyo, Japan
2014- presnt	Top Doctors, New York Metro Area 17 <sup>th</sup> ED Castle Connolly Medical LTD
2013- present	Region’s Top Doctors Castle Connolly Medical LTD
10/25/2013	Leadership & Management Skills Program Columbia University
2012	Achievement Award Leadership Development Program (LDP) American Academy of Ophthalmology
5/22/2011	New York Super Doctors 2011 New York Times Magazine
2/25/2011	Visionary Award for Hospital Based Screening Programs Friends of the Congressional Caucus Foundation 10 <sup>th</sup> Anniversary Celebration
7/7/2010	Certificate of Appreciation For Exemplary service as an Editor Eye Wiki/American Academy of Ophthalmology
6/9/2009	Award for Outstanding Contribution to Glaucoma Screenings in New York City Friends of the Congressional Glaucoma Caucus Foundation
4/26/2009	New York Super Doctors 2009 New York Times Magazine
4/27/2008	New York Super Doctors 2008 New York Times Magazine

9/20/2008	Certificate of Appreciation Invaluable Contribution to the success of Phase I of the Noor Dubai Initiative
5/28/2004	Rookie Teaching Award

## **Research Activity**

My research interest is in blindness prevention, tele-ophthalmology, artificial intelligence and innovations. This is evident from my previous project of large-scale glaucoma screening in NYC involving more than 8500 high-risk individuals in mobile and fixed sites. I recently launched the tele-ophthalmology project with a mobile unit, for the detection of 4 leading causes of blindness. I have also embarked on research on the role of artificial intelligence in ophthalmology.

## **Grant History**

2020	Mother Cabrini foundation \$250,000
2020	Save Vision Foundation \$70,000
2019	David Tobey \$50,000
2019	Jean Sheng innovation fellowship endowment \$1,200,000
2019	Ahmed Mateen \$10,000
2019	Russell Berrie Foundation \$25,000
2018	Russell Berrie Foundation \$25,000
2018	HEY R21 NIH study \$220,000 Co-PI
2018	Jean Sheng \$50,000
2018	David Tobey \$50,000
2018	Laurel Schwartz \$25,000
2017	New World Medical \$50,000
2017	Lavelle fund for the blind \$40,000
2017	David Tobey \$50,000
2017	Save Vision foundation \$200,000
2017	Russell Berrie Foundation \$25,000
2017	Laurel Schwartz Ophthalmic Screening Project Grant \$25,000
2016	New World Medical \$50,000
2016	Laurel Schwartz Ophthalmic Screening Project Grant \$25,000
2016	Russell Berrie Foundation \$25,000
2016	Allergan \$10,000
2016	Laurel Schwartz Ophthalmic Screening Project Grant \$50,000
2016	Barry Friedberg Foundation \$10,000
2015	New World Medical \$50,000
2015	Barry Friedberg Foundation \$10,000
2014	Laurel Schwartz Ophthalmic Screening Project Grant \$50,000
2014	Russell Berrie Foundation \$50,000
2014	Barry Friedberg Foundation \$10,000
2014	CDC grant on telemedicine and glaucoma screening, approved but not funded
2014	Laurel Schwartz Fellowship Grant \$100,000
2013	NIH/NEI through Tissuetech \$35,000
2012	New York Resident Program (Allergan) \$15,000
2012	Women in Ophthalmology NY chapter meeting (Alcon) \$22,000
2012	Congressional glaucoma caucus Grant \$100,000
2011	Congressional glaucoma caucus Grant \$50,000

2011	New York Resident Program (Allergan) \$10,000
2011	Women in Ophthalmology NY chapter meeting (Alcon) \$22,620
2011	Congressional glaucoma caucus Grant \$50,000
2010	Bert Distelburger Grant \$30,000
2010	New York Resident Program (Allergan) \$15,000
2010	Women in Ophthalmology NY chapter meeting (Alcon) \$23,600
2010	Congressional glaucoma caucus Grant \$50,000
2010	Congressional glaucoma caucus Grant \$27,500
2009	Congressional glaucoma caucus Grant \$27,500
2009	Vesper Foundation Grant \$20,000
2009	Bert Distelburger Grant \$10,000
2009	Women in Ophthalmology NY chapter Meeting (Alcon) \$18,000
2009	New York Resident Program \$25,000
2009	Congressional glaucoma caucus Grant \$27,500
2009	Vesper Foundation Grant \$25,000
2008	Women in Ophthalmology NY chapter meeting (Alcon) \$29,000
2008	Congressional glaucoma caucus Grant \$27,750
2007	Advances in glaucoma treatment Program (Allergan) \$23,500
2006	Congressional glaucoma caucus Grant \$111,000
2006	Glaucoma diagnosis and neuroprotection program (Allergan) \$10,000
2006	Glaucoma fellowship grant (Allergan) \$40,000

## Grants and Clinical Trials

### Clinical Trials:

1. HEY Study The Hispanic Eye study # 1R21EY029605 **CO-PI**
2. “A Masked Histological Evaluation of the Trabecular Meshwork Specimen Collected from Trabeculectomy Patients with Primary Open Angle Glaucoma Treated with Bimatoprost 0.03% Ophthalmic Solution Once Daily (QD) for at least Two Years Compared with Primary Open Angle Glaucoma Patients Treated with Other Topical Ophthalmic IOP-Lowering Drugs”, Phase 4 study by Allergan; Protocol # 19202402900; **Primary Investigator**.
3. “Safety and Efficacy of Travoprost 0.004%/Timolol 0.5% Ophthalmic Solution Compared to Xalatan and Timolol 0.5% Dosed Concomitantly in Subjects with Open Angle Glaucoma or Ocular Hypertension”, Phase 4 study by Alcon, Protocol # C0403; **Co-Investigator**.
4. “Early Diagnosis of Glaucomatous Optic Neuropathy by VEP Testing for Rapid Objective Detection of Impairment of Specific Visual Subsystem”, Phase 1 study by NIH/NEI through SynaBridge Corp., **Co-Investigator**.
5. Retinal nerve fiber layer thickness in children. IRB- AAAA8071. **Primary Investigator**
6. “Clinical Use of the EagleVision Glaucoma Implant, a multicenter, prospective, nonrandomized, parallel arm study to evaluate the clinical outcomes after implantation of the EagleVision glaucoma drainage implants (formerly called the Krupin implant), Phase 3 study by Eagle Vision; **Primary Investigator**.
7. “Ahmed vs. baerveldt shunt” a multicenter, prospective, randomized study to evaluate the superiority of on implant over the other, **Primary Investigator**.

8. Rigor “A Prospective Observational Study Comparing the Effectiveness of Treatment Strategies for Primary Open-Angle Glaucoma” Primary **Investigator**
9. Amniotic Membrane versus Pericardium in Reducing Glaucoma Drainage Tube Exposure: A Randomized Clinical Trial. IRB: AAAK6253. **NIH** funded multicenter study **Primary Investigator** (Columbia site)
10. Comparison of Silicone and Porous Plate Ahmed Glaucoma Valves. IRB: AAAJ8558. **Primary Investigator**
11. The Efficacy and Safety of Bimatoprost SR in Patients with Open-angle Glaucoma or Ocular Hypertension Short title: Bimatoprost SR 192024-091. Sponsor: Allergan. IRB-AAA04156. **Primary Investigator**
12. Ant Vs. Post Chamber Tube and PK. IRB-AAAD7158 **Primary Investigator**
13. 5-FU in glaucoma drainage deceiver. IRB- AAAE8560 **Primary Investigator**
14. M4 vs. FP7. IRB- AAAJ8552 **Primary Investigator**
15. Community Based Glaucoma screening. IRB- AAAP9003. **Primary Investigator**
16. African Descent and Glaucoma Evaluation Study (Bridge Funding for the African Descent and Glaucoma Evaluation Study (ADAGES II). A prospective, multicenter observational cohort study to identify factors accounting for differences in glaucoma onset and rate of progression between individuals of African descent and European descent. IRB- AAAO6901. **Co-Investigator**
17. African Descent and Glaucoma Evaluation Study (Bridge Funding for the African Descent and Glaucoma Evaluation Study (ADAGES II). A prospective, multicenter observational cohort study to to understand the underlying molecular cause of Primary Open-Angle Glaucoma (POAG) in African-Americans. IRB- AAAO7555. **Co-Investigator**
18. Telemedicine Mobile Unit for ophthalmic Screening. IRB- AAAP1358. **Primary Investigator**
19. Tissue Repository. IRB- AAAQ7782. **Co-Investigator**
20. NT-501 Encapsulated cell therapy for glaucoma. IRB- AAAQ9975. **Co-Investigator**
21. Molecular Biomarkers for glaucoma. IRB- AAAO8362. **Co-Investigator**
22. African Descent and Glaucoma Evaluation (ADAGES) IV: Alterations of the Lamina Cribrosa in Progression. A prospective study to investigate the racial variations in the optic nerve head tissue remodeling process clinically observed in glaucomatous patients. A Prospective study to IRB- AAAR4402. **Co-Investigator**
23. Reoperations rates in glaucoma surgery (90 day return to the OR). . IRB- AAAR6170. **Primary Investigator**
24. Gender differences in ophthalmology residency. (the number of surgical procedures between female and male surgeons in residency). IRB- AAAR5397. **Primary Investigator**
25. Understanding the human microbiome in glaucoma. IRB- AAAR6267. **Co-Investigator**
26. Assessing Tacrolimus-associated optic neuropathy. IRB-AAAR5259. **Co-Investigator**

27. Steroid use and IOP. A retrospective chart review to study the association between systemic, topical creams and inhaler use and IOP. . IRB- AAAR8769. **Primary Investigator**
28. Artificial intelligence use in glaucoma, DR and AMD. A prospective study to validate different AI systems in glaucoma, DR and AMD. IRB-AAAR5844. **Primary Investigator**
29. I-care home feasibility study. A prospective pilot study on the feasibility and ease of use of i-care tonometer for glaucoma management. IRB-AAAR9429. **Primary Investigator**
30. Standard phaco vs. Laser-Assisted cataract surgery. IRB-AAAR9429. **Co-Investigator**

## **Clinical Activity**

Immediately after graduating from residency and fellowship, I dedicated a significant focus to patient care and clinical practice. I developed and sustained one of the largest clinical practices at Columbia University and NYC, with broad offering in medical and surgical therapies. My practice specializes in glaucoma and cataract management, offering among others, surgical treatment of complex cases, frequently collaborative combined cases with other subspecialties such as retina and cornea. In addition to standard surgery, the cutting-edge surgeries such as MIGS and Femtosecond cataract surgery. Currently referrals to my practice come from primary care practitioners, other ophthalmologists and self-referral, including local and international patients.

## **Education Activity**

As director of the glaucoma fellowship, I have been responsible for and involved in all the education activities of the glaucoma fellowship, from the curriculum design, to continuous supervision and coordination. In addition to starting the fellowship in 2003, I expanded it to 2 fellows in 2014. As a member of the ophthalmology residency core faculty, I participate actively in residents education. Furthermore, I teach medical students including the glaucoma elective course, and national and international visiting students, fellows and doctors. In 2020 and at NYU I started the Ophthalmology innovation fellowship.

Total number of clinical fellows trained: 21

Total number of international research fellows trained: 5 and 1 USA fellow.

## **Teaching Activities**

9/1/2019- present	Associate director glaucoma fellowship
3/1/2013- 6/30/2019	Director of glaucoma fellowship
7/1/2004- 3/1/2013	Mentor of glaucoma fellows
7/1/2004- 6/30/2019	Glaucoma Clerkship director
7/14/2003- 6/30/2019	Instructor to residents and medical students in the Department of Ophthalmology Columbia University College of Physicians and Surgeons
7/1/2002-6/30/2003	Clinical instructor to residents and medical students in the Department of Ophthalmology University of Tennessee Health Science Center

1/30/2002-6/30/2002      Instructor in clinic to residents and medical students in the Department of Ophthalmology  
Columbia University College of Physicians and Surgeons

### **Course Chairman or Director:**

04/06/2018                      Co-Chair Tele-ophthalmology and Artificial intelligence conference  
New York, NY

04/05/2018                      Closed session Co-Chair Tele-ophthalmology and Artificial intelligence  
conference  
New York, NY

02/08/2016                      Chairperson Tele-medicine and Ophthalmology  
WIO Symposium  
WOC 2016  
Guadalajara, Mexico

08/2014                              Chairperson  
Women in Ophthalmology Summer Symposium  
Leesburg Virginia

09/15/2012                      Chairperson  
Wound Healing Modulation  
6<sup>th</sup> International Congress on Glaucoma Surgery  
Glasgow, Scotland

10/17/2007–10/01/2012      Program Chair, Women in Ophthalmology NYC Chapter

05/07/2005–06/01/2012      Program Chair, New York Resident Program

11/12/2010                      Program Chair, 5<sup>th</sup> International Congress on Glaucoma Surgery  
New Delhi, India

11/25/2010                      Program Chair, Monsaura International Ophthalmology Congress  
Monsaura, Egypt

11/1/2003- Present              Course Director, fourth year medical student elective in glaucoma

### **Curriculum development and other innovative educational activities**

5/2020- present                      Faculty development curriculum

4/2020-5/2020                      Resident AI curriculum

04/06/2018                      Co-Chair Tele-ophthalmology and Artificial intelligence conference  
New York, NY

04/05/2018                      Closed session Co-Chair Tele-ophthalmology and Artificial intelligence  
conference  
New York, NY

07/01/2004- present              Glaucoma fellowship curriculum

07/01/2004- 06/30/13 Resident glaucoma curriculum  
07/01/2004- 6/30/2019 Glaucoma Clerkship curriculum

## **Invited Talks and Teaching of Peers**

11/26/2020 Keynote lecturer  
Muscat International Ophthalmology conference  
Artificial Intelligence & It's Application in Ophthalmology

10/22/2020 Visiting Professor  
UCSF  
Teleophthalmology, tele -glaucoma and the future

09/3/2020 Artificial Intelligence for glaucoma  
Collaborative Community on ophthalmic imaging  
How AI might be used with telemedicine for glaucoma

08/25/2020 Ophthalmic Clinical education summit (glaucoma part 3)  
The use of Forum for glaucoma patient management

06/25/2020 Remote Diagnostic: Seeing Eye Health Differently  
Chair of the session  
International webinar

02/29/2020 FDA Collaborative Community on Ophthalmic imaging  
Artificial intelligence in glaucoma: future directions  
AGS 2020

01/21/2020 Detecting Undiagnosed Eye Disease Using  
Mobile, Real- Time Teleophthalmology  
in At-Risk Populations  
3rd NYU Biomedical and Biosystems Conference  
Abu Dhabi

10/14/2019 Advanced Refractive cataract surgery and anterior segment reconstruction  
Instructor  
AAO 2019 skills transfer program

10/12/2019 Casting your net for the best glaucoma surgery at fisherman's wharf  
Moderator and presenter  
Glaucoma subspecialty day  
AAO 2019

9/21/2019 Glaucoma-Cataract Surgical Summit  
Keynote speaker  
MIGS glaucoma surgery  
Femto cataract surgery and MIGS  
Loyola University

10/29/2018 Advanced Refractive cataract surgery and anterior segment reconstruction  
Instructor  
AAO 2018 skills transfer program

10/27/2018	Artificial Intelligence and Glaucoma Invited speaker Glaucoma subspecialty day AAO 2018
10/27/2018	Section III: New Surgeries Moderator Glaucoma subspecialty day AAO 2018
10/27/2018	“The Evolving Role of Telemedicine in Ophthalmology” Keynote speaker IMANA ophthalmology society
07/07/2018	Tele-ophthalmology and Artificial intelligence Keynote speaker Asia Pacifica Tele-ophthalmology Society
06/14/2018	46 Annual Ophthalmology Alumni Meeting Invited speaker 1. Tele-ophthalmology and the New York experience 2. Refractive cataract surgery in glaucoma patients 3. Big data and artificial intelligence in medicine and ophthalmology SUNY Downstate Medical Center
05/21/2018	Tele-medicine and home monitoring Invited speaker 13 <sup>th</sup> EGS Congress 2018
05/24/2018	Tele-ophthalmology and AI Invited speaker NYU Langone Health
05/10/2018	Tele-ophthalmology and AI Invited speaker (Grand round) Ohio State University
05/10/2018	MIGS Invited resident lecture Ohio State University
02/09/2018	New Horizons in Pharmaceuticals Co-moderator Glaucoma 360 New horizons
01/04/2018	Tele-ophthalmology and Artificial Intelligence Grand Round Invited speaker Scheie Eye institute, UPENN
11/22/2017	Artificial Intelligence and Education Keynote speaker Circassian Education Foundation
11/12/2017	Advanced Refractive Cataract Surgery and Anterior Segment Reconstruction. AAO Course instructor

10/23/2017	Exploring effective safeguards and methods for mitigating the risks for an ophthalmic digital health device and the assets, threats, and vulnerabilities to be considered and identified Ophthalmic Digital Health Workshop FDA
9/21/2017	Invited professor USF Eye Institute (Glaucoma implant surgery, Tele-ophthalmology and case discussions with the residents)
2/3/2017	New Horizons in Telemedicine co-chair Glaucoma 360
2/3/2017	Evolution of telemedicine and potential for Teleglaucoma Glaucoma 360
6/1/2016	Tele-ophthalmology The Manhattan Glaucoma Symposium- 2016
5/6/2016	Cataract Surgery in Nanophthalmic Eyes Surgery Day ASCRS 2016
3/3/2016	Cataract Surgery in Nanophthalmic Eyes Surgery Day AGS 2016
2/28/2016	Screening for glaucoma of populations at risk, results and lessons learned. India MHWC 2016
2/19/2016	DRAINAGE IMPLANTS Course leader 8th International Congress on GLAUCOMA SURGERY 2016
2/18/2016	MANAGEMENT OF LEAKING BLEBS Course leader 8th International Congress on GLAUCOMA SURGERY 2016
2/8/2016	Tele-ophthalmology in New York WIO Symposium WOC 2016 Guadalajara, Mexico
11/15/2015	AAO Combined meeting with Prevent Blindness. A Day in the Clinic (point and counter point) Perform Cataract and Trabeculectomy Separately
11/14/2015	AAO Subspecialty Day Video Surgical Nightmares—Managing the Cards You are dealt Tube Exposure
6/9/2015	Grand rounds Invited Speaker Glaucoma drainage implant and their management Bronx Lebanon

3/7/2015	Invited speaker Glaucoma drainage devices surgery International Bonn Glaucoma Symposium
11/2014-16/2014	Invited speaker Trends in Glaucoma Medical & Surgical Meeting 2014 IMO-Instituto de Microcirugia Ocular/Fundacion IMO Barcelona, Spain 1. Ocular hypertension treatment 2. Combined glaucoma and cataract surgery 3. Phaco-Trabectome
10/2014	Manual Small Incision Cataract Surgery HelpMeSee Foundation Columbia University School of Physician & Surgeons
9/2014	Glaucoma drainage Implants and their management System Wide Grand Rounds Henry Ford Hospital. Detroit, MI
5/2014	Vaswani RS, Blumberg D, Al-Aswad L, Cioffi GA. " Glaucoma Screening in African American Communities: A Comparative Effectiveness Analysis" Association for Research in Visual Sciences and Ophthalmology Annual Meeting Poster Presentation ARVO May 2014.
4/2014	Small Pupil and Psuedo exfoliation management. Women in Ophthalmology symposium. WOC 2014 Japan
4/2014	Surgical Skill Development through The Perfect Balance: Practice and "Just in Time" Education WOC 2014 Japan
2/2014	Vaswani RS, Sirinek P, Blumberg D Al-Aswad L, Chang S, Cioffi GA. "The Role of Cone Photoreceptors in Glaucomatous Visual Field loss." American Glaucoma Society Annual Meeting Paper Presentation AGS February 2014.
2/2014	Al-Aswad L, Blumberg D, Cioffi, GA, Kaplan R. "Comparative Cost-Effectiveness of Baerveldt Tube Insertion Versus Trabeculectomy with Mitomycin C in the United States. American Glaucoma Society Annual Meeting 2014.
07/17/2020, 2013	Scientific Poster Presentation World Glaucoma Congress Vancouver, Canada
01/4/2013	Invited Speaker SUNNY Downstate/Current Concept in Ophthalmology Pediatric Glaucoma/Surgical Management Atlantic City, NJ
11/12/2012	Invited Speaker American Academy of Ophthalmology Ahmed Valve lecture Chicago, IL

09/15/2012	Invited Speaker Tube Session – Baerveldt – 5 year TVT, PTVT 6 <sup>th</sup> International Congress on Glaucoma Surgery Glasgow, Scotland
09/14/2012	Leader Tubes: Advanced Implantation 6 <sup>th</sup> International Congress on Glaucoma Surgery Glasgow, Scotland
08/10/2012	Invited Speaker 2012 Women in Ophthalmology Summer Symposium Update on Glaucoma Williamsburg, Virginia
04/24/2012	Invited Speaker ASCRS 2012 Surgical Technique & Technology for Lens Removal Chicago, IL
02/18/2012	Invited Speaker World Glaucoma Congress 2012 Developing Equity in Training Abu Dhabi, United Arab Emirates
10/03/2011	Invited Speaker Annual Eye exam why and what 8 <sup>th</sup> Men’s Health World Congress
09/23/2011	Invited Speaker Core East/Review of Ophthalmology Phaco Emulsification Vienna, Austria
06/30/2011	Invited Speaker C06 Trabeculectomy Pearls and Pitfalls World Glaucoma Congress 2011 Paris, France
06/29/2011	Invited Speaker OCT Progression Analysis World Glaucoma Congress 2011 Paris, France
02/10/2011	Invited Speaker The Friend of the Congressional Glaucoma Caucus Foundation 10 <sup>th</sup> Anniversary Presentation Center for Control Disease Atlanta. Georgia
12/04/2010	Invited Speaker Pearls for Implanting Ahmed and Baerveldt GOD Asia-Pacific Joint Glaucoma Congress Taipei, Taiwan
11/25/2010	Invited Speaker

Trabectome Surgery  
Monsaura International Glaucoma Congress  
Monsaura, Egypt

11/11/2010      Invited Speaker  
Popularity in North America, and Why?  
5<sup>th</sup> International Congress on Glaucoma Surgery  
New Dehli, India

10/30/2010      Invited Speaker  
Ophthalmologic Disorder in Men:  
Glaucoma, Cataract and Floppy Iris  
7<sup>th</sup> Men's Health World Congress. Nice, France

8/27/2010      Invited Speaker  
Cataract and Glaucoma Causes of Blindness  
Syrian American Association

8/27/2010      Grand Rounds Lecture  
Pars Plana Ahmed Valve and Wet Lab to Follow  
Invited Speaker  
Will Eye Hospital, Philadelphia, PA

3/15/2010      Egyptian Ophthalmological Society Annual Meeting  
Invited Speaker  
Cairo, Egypt

2/11/2010      Grand Rounds Lecture  
Invited Speaker  
Charleston Ophthalmological Society

11/2/2009      Grand Rounds Lecture  
Glaucoma Implants and Their Management  
Invited Speaker  
Albert Einstein College of Medicine

6/1/2009      Grand Rounds Lecture  
Glaucoma Implants and Their Management  
Invited Speaker  
Syracuse University

3/20/2009      Egyptian Ophthalmological Society Annual Meeting  
Course on Refractive Glaucoma  
Invited Speaker  
Cairo, Egypt

1/14/2009      Grand Rounds Lecture  
Glaucoma Implants and their post-operative management  
Invited Speaker  
Mount Saint Vincent Hospital

11/19/2008      Grand Rounds Lecture  
Glaucoma Implants and their post-operative management  
Invited Speaker  
Penn State College of Medicine

6/13/2008                    The Effect of Systemic Immunosuppression on the Hypertensive Phase in Uveitic Glaucoma Patients Undergoing Ahmed Valve Implantation  
Invited Speaker  
The Hamilton Eye Institute  
University of Tennessee Health Science Center

1/9/2008                    Glaucoma Surgery  
Lecturer and Faculty  
The Basic Science Course in Ophthalmology  
Edward S. Harkness Eye Institute. Columbia University

8/6/2007                    Glaucoma in Hispanics and Recent Advances in Therapy  
Invited Speaker  
Spanish American Medical Dental Society of New York

7/28/2007                    Aniridic Glaucoma: Epidemiology and Evaluation  
Aniridia Foundation International Medical Conference 2007

7/27/2007                    Causes and Identification of Aniridic Glaucoma.  
Aniridia Foundation International Medical Conference 2007

6/9/2007                    Glaucoma Management - Comparison of Spectral and Time Domain OCT  
Imaging and Visual diagnostic. Columbia University

2/22/2007                    Time-Domain OCT vs. Spectral-Domain OCT/SLO  
Grand Rounds Lecturer  
State University of New York, Downstate at Brooklyn

1/10/2007                    Glaucoma Surgery  
Lecturer and Faculty  
The Basic Science Course in Ophthalmology  
Edward S. Harkness Eye Institute. Columbia University

11/8/2006                    Aniridia  
Grand Rounds Lecturer  
Saint Vincent Hospital

6/7/2006                    Ahmed Valve lecture and wet lab  
Invited Speaker  
Interfaith, Brooklyn

1/21/2006                    Phaco Wet-Lab  
Faculty  
The Basic Science Course in Ophthalmology  
Edward S. Harkness Eye Institute. Columbia University

1/11/2006                    Optic disc evaluation  
Lecturer and Faculty  
The Basic Science Course in Ophthalmology  
Edward S. Harkness Eye Institute. Columbia University

11/23/2005                    Optic Disc imaging and OCT  
Grand Rounds Lecturer  
Saint Vincent Hospital

11/16/2005	Glaucoma Drainage Implants and the Bi-plate Ahmed Valve Invited Glaucoma Rounds speaker Scheie University of Pennsylvania
11/12/2005	Case presentation (surgical dilemma) Faculty New Frontiers in Clinical Glaucoma The 2 <sup>nd</sup> Annual Max Forbes, M.D. Lectureship in Glaucoma Columbia University
10/15/2005	JCAHPO Pachymetry & Glaucoma: IOP Effect of Corneal Thickness Invited speaker
4/25/2005	Glaucoma Drainage Implants and the Hypertensive Phase Grand round speaker Saint Luke- Roosevelt
4/11/2005	OCT and Glaucoma Invited speaker New York Ophthalmology Society
1/22/2005	Phaco Wet-Lab Faculty The Basic Science Course in Ophthalmology Edward S. Harkness Eye Institute. Columbia University
1/12/2005	Clinical Evaluation of Glaucoma Patients Lecturer and Faculty The Basic Science Course in Ophthalmology Edward S. Harkness Eye Institute. Columbia University
10/13/2004	Glaucoma Drainage Implants Grand Rounds Lecturer Saint Vincent Hospital
9/11/2004	Case presentation (Over Hanging Bleb Management) Faculty New Frontiers in Clinical Glaucoma The 1 <sup>st</sup> Annual Max Forbes, M.D. Lectureship in Glaucoma Columbia University
9/10/2004	Case presentation (Epithelial In growth Management)
6/3/2004	Aniridia Grand Rounds Lecturer State University of New York, Downstate at Brooklyn
2/5/2004	Bi-Plate Ahmed Valve Grand Rounds Lecturer New York Eye and Ear Infirmary
1/24/2004	Phaco Wet-Lab Faculty The Basic Science Course in Ophthalmology Edward S. Harkness Eye Institute. Columbia University

1/13/2004	Clinical Evaluation of Glaucoma Patients Lecturer and Faculty The Basic Science Course in Ophthalmology Edward S. Harkness Eye Institute. Columbia University
10/30/2003	Aniridia Grand Rounds Lecturer Edward S. Harkness Eye Institute. Columbia University
3/25/2003	OHTS Invited Speaker Memphis Optometry Society
3/25/2003	ICE Syndromes University of Tennessee Health Science Center
1/6/2003	Glaucoma Drainage Implants Invited Speaker Edward S. Harkness Eye Institute. Columbia University
11/18/2002	Ocular hypertension. Pigmentary glaucoma University of Tennessee Health Science Center
7/15/2002	Aqueous humor dynamic and tonometry University of Tennessee Health Science Center

## **Mentoring and Advising**

Medical students, Residents, clinical and research glaucoma Fellows, International fellows, high school students and visiting doctors

2020- present                      Faculty mentorship champion

## **Institutional, Local/National Service and Related Activity**

### **Professional Service**

#### **Panels and Committees and positions held:**

1. Faculty development champion NYU department of ophthalmology 2/2020- present
2. Voting member for the FDA's Ophthalmic device panel 4/2019- present
3. Collaborative Community on Ophthalmic Imaging. 4/2019- present
4. At-large member of the Academy's Annual Meeting Secretariat (AMS) 2018-present

5. Goble Glaucoma Academy 2018- 2020
6. Dean's Advisory Committee for Women Faculty 2018-2019
7. AGS E&C- FCC Committee 2017-2020
8. Glaucoma 360 Committee 2017-present
9. AGS Patient Care Committee-Coding and Terminology Subcommittee 2015- 2016
10. HelpMeSee Foundation education development and research committee 2014-2015
11. Resident Task Force Committee WIO 2014-2017
12. AGS Auditing Committee 2013-2015
13. Member at Large for Woman in Ophthalmology 2010-2015
14. AGS Bylaws and Strategic Planning Committee
15. Director of the glaucoma screening program 2006- 2014
16. Resident Selection Panel 2004- 2019
17. Glaucoma Fellowship Selection Panel 2004 – Present
18. OKAP resident committee 2013- 2014
19. The Implementation of the Academic Tracks Committee 2012 - 2013
20. Board member for NAAMA 2010- 2015
21. Pathology/oncology Panel Member (COMPASS outline) 2008
22. President of Woman in Ophthalmology New York Chapter 2007- 2012
23. The Perioperative Medication Task Force Meeting (Columbia University College of Physicians and Surgeons) 2005-2013
24. Provision development committee AAO 2005 - 2006  
POC and Self-Assessment Panel Members (Comprehensive Ophthalmology and Pediatric Ophthalmology/Strabismus) AAO 2004-2006

## **Editorial and Ad Hoc Review Activities:**

2020-2021	Section Editor” in the subspecialty of “AI, Big Data and Telemedicine in Ophthalmology” Asia pacific journal of ophthalmology
2020-2021	Guest Editor (GEs) of APJO Special Issue on The Applications of 5G, Big Data, and Artificial Intelligence in Ophthalmology, which is scheduled to be published in the May/Jun 2021 issue.
2019- present	Ad Hoc Reviewer American Journal of ophthalmology
2017- present	EyeNet editorial board
2017- present	Ad Hoc Reviewer JAMA ophthalmology
2017- present	Canadian Journal of Ophthalmology
2016- present	Ad Hoc Reviewer for IVOS
2012- present	Ad Hoc Reviewer for Journal of glaucoma
2012- present	Ad Hoc British Journal of Ophthalmology

## **Advisory boards and Positions held:**

2018	President of Women in ophthalmology
2017	President Elect – Women in Ophthalmology
2015- 2016	President of the New York Glaucoma Society
2013- 2019	Medical Advisory board for the board of trustees of the Harkness Eye Institute
2011- 2016	Board Member – Women in Ophthalmology
2010- 2016	WIO Director at-Large
2010- 2012	Board Member Ophthalmic Women Leaders
2012- 2014	Past President of President of Women in Ophthalmology New York Chapter
2008- 2012	President of Women in Ophthalmology New York Chapter
2007- 2009	Board Member SAMS
2004- 2010	Medical Advisory Board for the USA ANIRIDIA NETWORK

## Outreach programs:

2015-	Tele-Ophthalmology Screening project
2014	HelpMeSee Foundation to eliminate blinds from cataract around the world. NY, NY
10/06- 2014	Glaucoma screening in the Greater New York Metropolitan area
9/2008	Treating adult and congenital glaucoma, as well as adult and congenital Cataract Noor Dubai
6/25/2006- 7/1/2006	Syrian American Medical Association CME Program from Cleveland Clinic Moderate the Ophthalmology section. Gave two lectures: Bi-plate Ahmed Valve Treatment with bevacizumab Involved in patient examination and surgeries Damascus, Syria

## Bibliography

### Papers:

1. Gulgun Tezel, Rukiye Aydin, Mine Baris, Ceren Engin, **Lama Al-Aswad**, Dana Blumberg, George Cioffi, Jeffrey Liebmann, and Tongalp Tezel. Retinal Inner Plexiform Layer Alterations in Glaucoma. Submitted to TVST
2. **Lama A. Al-Aswad, MD, MPH**, Vipul Patel, Maribel Rodriguez, MD, Deborah Popplewell, OD, Kalashree Gopal, BA, Dan Gong, MD, Zach Thomas, BS, Devon Joiner, BM, MM, Cha-Kai Chu, MD, Stephen Walters, MD, Maya Ramachandran, BA, Rahul Kapoor, MD, Gladys E. Maestre, MD, PhD, Joseph H. Lee, DrPH, Golnaz Moazami, MD. Detecting Undiagnosed Eye Disease Using Mobile, Real-Time Teleophthalmology in At-Risk Populations: A Pilot Study. In submission
3. Sun A, Tsamis E, Eguia MD, Liebmann JM, Blumberg DM, **Al-Aswad LA**, Cioffi GA, Gustavo De Moraes C, Hood DC. Global optical coherence tomography measures for detecting the progression of glaucoma have fundamental flaws. Eye (Lond) 2021 Jan 7. doi: 10.1038/s41433-020-01296-x. Online ahead of print
4. Jing (Sasha) Jia, BA, Alexander Lazzaro, MS, MBA, Alcina K Lidder, MD, Ceyhun Elgin, PhD, Jennifer Alcantara-Castillo, COA, Steven J Gedde, MD, Albert S Khouri, MD, Aakriti Garg Shukla, MD, Laurence T D Sperber MD, Janice C Law, MD, Yasha S Modi, MD, Eleanore T Kim, MD, Jeffrey R SooHoo, MD, Bryan J Winn, MD, Royce W Chen, MD, **Lama A Al-Aswad, MD, MPH**. Gender Compensation Gap for ophthalmologists in the first year of clinical practice. Ophthalmology. 2020 Nov 26:S0161-6420(20)31117-9. doi: 10.1016/j.ophtha.2020.11.022. Online ahead of print.
5. Krawitz BD, Misra P, Bearely S, **Al-Aswad LA**. Late-onset angle closure in pseudophakic eyes with posterior chamber intraocular lenses. J Cataract Refract Surg. 2020 Dec;46(12):e48-e

6. Rahul Kapoor, MD, Cansu Yuksel-Elgin, MD, Vipul Patel, Jennifer Alcantara-Castillo, COA, Maya Ramachandran, BS, Kamran Ali, BS, Rahm Alshamah, Deborah Popplewell, OD, Emery Jamerson, MD, Cecile Truong, BS, Janet Sparrow, MD, William J. Mallon, MD, Adam M. Katz, MD, **Lama A. Al-Aswad, MD, MPH**. Detecting Common Eye Diseases Using the First Teleophthalmology GlobeChek™ Kiosk in the United States: A Pilot Study. *Asia Pac J Ophthalmol (Phila)*. 2020 Jul-Aug;9(4):315-325.
7. Roa TM, Netland PA, Costa VP, Sarkisian Jr SR, **Al-Aswad LA**, Moster MR, Ahmed IIK. Comparison of Silicone- and Porous-Plate Ahmed Glaucoma Valves. *Medical Devices: Evidence based medicine and research*. 2020;13 212-221
8. Chu CK, Liebmann JM, Cioffi GA, Blumberg DM, **Al-Aswad LA**. Reoperations for Complications within 90 Days after Glaucoma Surgery. *J Glaucoma*. 2020 May;29(5):344-346
9. Costa VP, Leung C, Kook MS, Lin S; Global Glaucoma Academy. Clear Lens Extraction in Eyes with Primary Angle Closure and Primary Angle-Closure Glaucoma. *Surv Ophthalmol*. 2020 Apr 24
10. De Moraes CG, Paula JS, Blumberg DM, Cioffi GA, **Al-Aswad LA**, Girkin CA, Weinreb RN, Zangwill LM, Ritch R, Susanna R, Hood DC, Liebmann JM. Detection of progression with 10-2 standard automated perimetry: Development and validation of an event-based algorithm. *Am J Ophthalmol*. *Am J Ophthalmol*. 2020 Aug;216:37-43
11. Hood DC, Tsamis E, Bommakanti NK, Joiner DB, **Al-Aswad LA**, Blumberg DM, Cioffi GA, Liebmann JM, De Moraes CG. Structure-Function Agreement Is Better Than Commonly Thought in Eyes With Early Glaucoma. *Invest Ophthalmol Vis Sci*. 2019 Oct 1;60(13):4241-4248.
12. **Al-Aswad LA**, Kapoor R, Chu CK, Walters S, Gong D, Garg A, Gopal K, De Moraes CG, Patel V, Trikha S, Rogers T, Jaccard N, Moazami G. Investigation of a Deep Learning System in Identifying Glaucomatous Optic Neuropathy Based on Color Disc Photographs. *J Glaucoma*. 2019 Dec;28(12):1029-1034
13. Dan Gong MD; Bryan J Winn MD; Casey J Beal MD; Preston H Blomquist MD; Royce W Chen MD; Susan M Culican MD PhD; Lora R Dagi Glass, MD; Gary F Domeracki MD; Jeffrey M Goshe MD; Jeremy K Jones MD; Albert S Khouri MD; Gary L Legault MD; Timothy J Martin MD; Kelly T Mitchell MD; Ayman Naseri MD; Thomas A Oetting MD; Joshua H Olson MD; Jeff H Pettey MD; Maria A Reinoso MD; Andrew L Reynolds MD; R Michael Siatkowski MD; Jeffrey R SooHoo MD; Grace Sun MD; Misha F Syed MD; Jeremiah P Tao MD; Parisa Taravati MD; Darrell WuDunn MD PhD; Lama A Al-Aswad MD MPH. Gender Differences in Case Volume among Ophthalmology Residents. **Al-Aswad LA**, Kapoor R, Chu CK, Walters S, Gong D, Garg A, Gopal K, De Moraes CG, Patel V, Trikha S, Rogers T, Jaccard N, Moazami G. *JAMA Ophthalmol*. 2019 Jul 18. doi: 10.1001/jamaophthalmol.2019.2427.
14. Kapoor, Rahul, MD; Whigham, Benjamin T., MD, **Al-Aswad, Lama A., MD, MPH**. The Role of Artificial Intelligence in the Diagnosis and Management of Glaucoma . [Current Ophthalmology Reports](#) **volume 7**, pages136–142(2019)
15. Kapoor, Rahul, MD; Whigham, Benjamin T., MD, **Al-Aswad, Lama A., MD, MPH**. Artificial Intelligence and Optical Coherence Tomography Imaging. *APJO invited review article Asia Pac J Ophthalmol (Phila)*. 2019 Mar-Apr;8(2):187-194.
16. Yang X, Zeng Q, Göktas E, Gopal K, **Al-Aswad L**, Blumberg DM, Cioffi GA, Liebmann JM, Tezel G. T-Lymphocyte Subset Distribution and Activity in Patients With Glaucoma. *Invest Ophthalmol Vis Sci*. 2019 Mar 1;60(4):877-888.

17. Taylor KD, Guo X, Zangwill LM, Liebmann JM, Girkin CA, Feldman RM, Dubiner H, Hai Y, Samuels BC, Panarelli JF, Mitchell JP, **Al-Aswad LA**, Park SC, Tello C, Cotliar J, Bansal R, Sidoti PA, Cioffi GA, Blumberg D, Ritch R, Bell NP, Blieden LS, Davis G, Medeiros FA, Das SK, Divers J, Langefeld CD, Palmer ND, Freedman BI, Bowden DW, Ng MCY, Ida Chen YD, Ayyagari R, Rotter JI, Weinreb RN; ADAGES III Genomics Study Group. Genetic Architecture of Primary Open Angle Glaucoma in Individuals of African Descent: The African Descent & Glaucoma Evaluation Study (ADAGES) III. *Ophthalmology*. 2019 Jan;126(1):38-48
18. Zangwill LM, Ayyagari R, Liebmann JM, Girkin CA, Feldman R, Dubiner H, Dirkes KA, Holmann M, Williams-Steppe E, Hammel N, Saunders LJ, Vega S, Sandow K, Roll K, Slight R, Auerbach D, Samuels BC, Panarelli JF, Mitchell JP, **Al-Aswad LA**, Park SC, Tello C, Cotliar J, Bansal R, Sidoti PA, Cioffi GA, Blumberg D, Ritch R, Bell NP, Blieden LS, Davis G, Medeiros FA, Ng MCY, Das SK, Palmer ND, Divers J, Langefeld CD, Freedman BI, Bowden DW, Christopher MA, Chen YI, Guo X, Taylor KD, Rotter JI, Weinreb RN; African Descent and Glaucoma Evaluation Study III Genomics Study Group. The African Descent and Glaucoma Evaluation Study (ADAGES) III: Contribution of Genotype to Glaucoma Phenotype in African Americans: Study Design and Baseline Data. *Ophthalmology*. 2019 Jan;126(1):156-170.
19. Rahul Kappor Stephen P. Walters , **Lama A. Al-Aswad**. The Current State of Artificial Intelligence in Ophthalmology. *Surv Ophthalmol*. 2019 Mar - Apr;64(2):233-240.
20. Hondur G, Göktas E, **Al-Aswad L**, Tezel G. Age-related changes in the peripheral retinal nerve fiber layer thickness. *Clin Ophthalmol*. 2018 Feb 26;12:401-409.
21. Melgarejo JD, Lee JH, Petitto M, Yépez JB, Murati FA, Jin Z, Chávez CA, Pirela RV, Calmón GE, Lee W, Johnson MP, Mena LJ, **Al-Aswad LA**, Terwilliger JD, Allikmets R, Maestre GE, De Moraes CG. Glaucomatous Optic Neuropathy Associated with Nocturnal Dip in Blood Pressure: Findings from the Maracaibo Aging Study. *Ophthalmology*. 2018 Jun;125(6):807-814
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23. **Lama A. Al-Aswad**, Devon B. Joiner, Xinhui Wang, Carlos Gustavo de Moraes, Deborah Popplewell, Maria L. Amaro-Quireza, Muhammad Shabsigh and Nancy Taher. Screening for glaucoma in populations at high risk: The eye screening New York project. *Cogent Medicine* (2017), 4: 1367059
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25. Prager AJ, Hood DC, Liebmann JM, De Moraes CG, **Al-Aswad LA**, Yu Q, Cioffi GA, Blumberg DM. Association of Glaucoma-Related, Optical Coherence Tomography-Measured Macular Damage With Vision-Related Quality of Life. *JAMA Ophthalmol*. 2017 Jul 1;135(7):783-788.
26. Garg A, Blumberg DM, **Al-Aswad LA**, Oll M, Yzer S, Forbes M, Allikmets RL, Bearely S. Associations Between  $\beta$ -Peripapillary Atrophy and Reticular Pseudodrusen in Early Age-Related Macular Degeneration. *Invest Ophthalmol Vis Sci*. 2017 May 1;58(5):2810-2815.
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29. Blumberg DM<sup>1</sup>, Dale E, Pensec N, Cioffi GA, Radcliffe N, Pham M, **Al-Aswad L**, Reynolds M, Ciarleglio A. Discrimination of Glaucoma Patients From Healthy Individuals Using Combined Parameters From Spectral-domain Optical Coherence Tomography in an African American Population. *J Glaucoma.* 2016 Mar;25(3):e196-203
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35. Tari, Samir R. MD; Greenstein, Vivienne C. PhD; Tsang, Stephen MD; **Lama Al-Aswad, MD**, Electoretinography and microperimetry as noninvasive diagnostic tools for cilioretinal artery occlusion. *Retinal Cases and Brief Reports* 2(2):158-159, 2008
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37. **Lama Al-Aswad, MD**. Lucian Del Priore, MD. PhD. Michael J. Weiss MD. PhD. Max Forbes, MD. Gaetano R. Barile, MD. Treatment of Neovascular Glaucoma with Intravitreal Bevacizumab. IX Congress of MEACO 2007. *Middle East Journal of Ophthalmology*
38. **Lama Al-Aswad, MD**; Peter Netland, MD, PhD; A. Robert Bellows, MD; MD; Richard Hill, MD. Initial Clinical Experience with the Double-Plate Ahmed Glaucoma Valve. IX Congress of MEACO 2007. *Middle East Journal of Ophthalmology*
39. Daniel J Salchow, MD; Yuri S Oleynikov, MD, Ph D; Michael F Chiang, MD; Shana E Kennedy-Salchow, MS; Kevin Langton, CRA; James C Tsai, MD; **Lama A Al-Aswad, MD**. Retinal Nerve Fiber Layer Thickness in Normal Children Measured with Optical Coherence Tomography. *Ophthalmology* 2006 113(5): 786-791

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41. **Lama A. Al-Aswad**, Haiyan Gong, David Lee, Martha E. O'Donnell, James D. Brandt, William J. Ryan, Alison Schroeder, and Kristine A. Erickson: Effects of NA-K-2Cl cotransport regulators on outflow facility in calf and human eyes in vitro. Invest Ophthalmol Vis Sci Vol 40: 1695-1701 July 1999.
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## Invited Articles:

1. Patient Care during COVID-19: Bringing Telemedicine to the Forefront. Hardik A Parikh, MD and Lama A. Al-Aswad, MD, MPH. Glaucoma Today May/June 2020
2. Current Status and Needs in Teleglaucoma. Anna Do, MD and Lama A. Al-Aswad, MD, MPH. Glaucoma physician June 2020
3. Diagnosing and Monitoring Glaucoma With Teleophthalmology. Poonam Misra, MD; and Lama A. Al-Aswad, MD, MPH. Glaucoma Today March/April 2019
4. Quality of Life for Glaucoma Patients. What reduces the quality of life of treated glaucoma patients, and what worries them? By Stephen Walters, MD; and Lama Al-Aswad, MD, MPH. Glaucoma today Journal Club. Sep/Oct 2018
5. LAMA A. AL-ASWAD, MD, MPH: ARTIFICIAL INTELLIGENCE, BIG DATA, AND MEDICAL ANALYTICS. Moving toward the automatic diagnosis of glaucoma. GLAUCOMA TODAY | JULY/AUGUST 2017
6. Al-Aswad, LA: Treating Neovascular Glaucoma Contemporary Ophthalmology 7:5, March 15, 2008
7. Al-Aswad, LA: Using Anti-VEGF to Treat Neovascular Glaucoma Review of Ophthalmology 13: 06, April 2007
8. Al-Aswad, LA: Management of overhanging blebs Glaucoma Today June 2006
9. Al-Aswad, LA: Another Role for Avastin in Neovascular glaucoma Review of Ophthalmology 13: 06, June 2006
10. Al-Aswad, L: Treating neovascular glaucoma Review of Ophthalmology 12:08, August 2005
11. Tsai, JC., Al-Aswad, L: Meeting the challenge of inflammatory glaucoma. Review of Ophthalmology 11: 06, 52-56 June 2004
12. Al-Aswad, L., Tsai, JC: Managing the narrow-angle patient. Review of Ophthalmology 11: 06, 45-48 June 2004 (cover story)

## Chapters:

1. Sien Chan and Lama Al-Aswad, Clinical examination of glaucoma, Sixth Edition of Yanoff and Duker's Ophthalmology. chapter in progress
2. Stephanie Wangyu, Lama A, Al-Aswad. AI and Other Applications in Ophthalmology and Beyond. Chapter 7: Artificial intelligence and ophthalmology. In submission
3. Gene Kim, Brian J. Song and Lama A. Al-Aswad Twenty-Four-Hour Intraocular Pressure Monitoring in Glaucoma In: Kahook, MY, Schuman, JS, eds. *Chandler and Grant's Glaucoma, Six Edition*. 2020
4. Emre Göktas, MD, and Lama A. Al-Aswad, MD, MPH. GLAUCOMA: SURGICAL THERAPIES. COLUMBIA GUIDE: Glaucoma: Surgical Tx (Gotkas & Al-Aswad) 7 September 2019.
5. Stephen P. Walters, MD and Lama A. Al-Aswad, MD, MPH. Future Therapies and Strategies in Glaucoma Diagnosis and Management. COLUMBIA GUIDE: appendix (Walters & Al-Aswad) 2018
6. Lama A. Al-Aswad, MD, Daniel S. Casper, MD, PhD: Clinical Atlas of Procedures in Ophthalmic and Oculofacial Surgery; **chapter in Laser Trabeculoplasty**. Daniel M. Albert MD, MS, FACS & Mark J. Lucarelli, MD, FACS editors. Oxford University Press 2011; 308-312
7. Brian J. Song and Lama A. Al-Aswad Twenty-Four-Hour Intraocular Pressure Monitoring in Glaucoma In: Kahook, MY, Schuman, JS, eds. *Chandler and Grant's Glaucoma, Fifth Edition*. Thorofare, NJ: SLACK Incorporated; 2013: 689-694.
8. Newark E, Al-Aswad, LA, Bidwell, AE, Choplin, NT, Duffner, LR, Ehrenhaus, MP, Engelstein, JM, Friedman, NJ, Goldberg DF, Goldman DA, Horn EP, Mitchell KB, Moshfeghi AA, Orengonia SD, Russell SR, Shamis DJ, Shields SM, Stern GA, Wallshein, JS authors. **Certified Ophthalmic Assistant Exam- Study Guide**, American Academy of Ophthalmology, The Eye M.D. Association
9. Al-Aswad LA, Riansuwan A, Otis JJ. **Aniridia, WAGR Syndrome and Associated Conditions, Aniridia and WAGR Syndrome**, Oxford University Press, 2010; 3-13
10. Al-Aswad LA, Netland PA. **Laser treatment in glaucoma**. In Higginbotham EJ, Lee DA editors. Clinical guide to glaucoma management 1nd ed. Woburn MA: Butterworth and Heinemann , 2004; 391-411
11. Al-Aswad L: **cardiology, Gastrointestinal, Urology, Neurology chapters in Fundamentals and Diagnostics of Radiology**. ( Arabic) M.B. Sawaf (Eds), Nadar Printing 1993.

## Digital Journal Publication:

Descemet's membrane tear seen on anterior segment optical coherence tomography (Cornea/Refractive Surgery Quiz 25: A 61-year-old man with a complication of intraocular surgery). Tarek Alasil, MD, Michael Engelbert, MD, PhD, Lama A. Al-Aswad, MD DJO 2008

## **Video contributions:**

1. Glaucoma implant video series (New World Medical)
  - a. Tube irrigation from vitreous 10-28-13
  - b. FP7 Surgical video Animation 05/23/2014
  - c. Ahmed Valve PC7 Surgical video 03/04/2014
2. Video Atlas of Glaucoma Surgery  
Managing Editors: Shibal Bhartiya and Munish Dhawan  
First Published 2010
- 3.
4. Surgical Techniques in Ophthalmology – Glaucoma Surgery  
Series Editors: F. Hampton Roy and Larry Benjamin  
First Published 2008
5. Ahmed Glaucoma drainage implants Educational Videos for New World Medical 2006
6. Indentation Gonioscopy Educational video 2005

## **Video appearances:**

02/01/2019	Teleophthalmology for Glaucoma Glaucoma 360 AAO
10/09/2018	Artificial intelligence Eyetube Glaucoma subspecialty day AAO
10/09/2018	Home Monitoring For Patients With Glaucoma Eyetube AAO
06/21/2018	Artificial intelligence Eyetube WOC
02/23/2018	How Artificial Intelligence Will Change Glaucoma Detection
01/17/2018	New Horizons in Pharmaceuticals Glaucoma 360 New Horizons
02/03/2017	Telemedicine and Artificial Intelligence in Glaucoma Glaucoma 360 New Horizons
11/09/2017	Managing glaucoma Fearless Fabulous
08/10/2017	Teleophthalmology WIO EyeWorld
06/16/16	Glaucoma Screening With OCT Glaucoma Today Journal Club
04/13/2015	Ophthalmology New York Doctors Season 1 Episode 16

10/17/2014	HelpMeSee & Columbia University's Harkness Eye Institute World Sight Day Grand Rounds
08/07/2014	WIO reporter for the summer symposium EyeWorld
09/24/2012	Cataract and Eye Health Dr. Ridwan show

## Abstracts:

1. Jing (Sasha) Jia, BA, Alexander Lazzaro, MS, MBA, Alcina K Lidder, MD, Ceyhun Elgin, PhD, Jennifer Alcantara-Castillo, COA, Steven J Gedde, MD, Albert S Khouri, MD, , Laurence T D Sperber MD, Janice C Law, MD, Yasha S Modi, MD, Aakriti Garg Shukla, MD, Eleanore T Kim, MD, Jeffrey R SooHoo, MD, Bryan J Winn, MD, Royce W Chen, MD, Lama A Al-Aswad, MD, Gender Compensation Gap for ophthalmologist in the first year of clinicalMPH. Gender Compensation Gap for ophthalmologist in the first year of clinical practice. Accepted AAO 2020
2. Poonam Misra, MD, Amanda Lu, BS, Marina Krygin, BS, Vipul Patel, Jennifer Alcantara-Castillo<sup>1</sup>, BS, Deborah Popplewell, OD. Cost Analysis of a Tele-Ophthalmology Mobile Screening Unit. AGS 2020
3. Ramachandran, R; Joiner, D B; Patel, V; Hood, D C; Popplewell, D; **Al-Aswad, L A.** 'A comparative study of glaucoma referrals using a customized OCT report with a community based glaucoma screening protocol'. *Investigative ophthalmology & visual science. IOVS.* 2020 Conference:(2020):- (# 4586102)
4. **Al-Aswad, Lama A.**; Kapoor, Rahul<sup>1</sup>; Chu, CK; Walters, Stephen; Gong, Dan; Garg, Aakriti, MD; Gopal, Kalashree; Patel, Vipul; Trikha Sameer; Rogers, Thomas W.; Jaccard Nicolas; De Moraes, C. Gustavo<sup>1</sup>; Moazami, Golnaz<sup>1</sup> EVALUATION OF A DEEP LEARNING SYSTEM FOR IDENTIFYING GLAUCOMATOUS OPTIC NEUROPATHY BASED ON COLOR FUNDUS PHOTOGRAPHS. WGC 2019
5. **Lama Al-Aswad**, Rahul Kapoor, Chia.kai Chu, Stephen Walters, Dan Gong, aakriti garg, Kalashree Gopal, Vipul Patel, Sameer Trikha, Thomas Rogers, Nicolas Jaccard, C Gustavo De Moraes, Golnaz Moazami. valuation of the Pegasus Deep Learning System for identifying Glaucomatous Optic Neuropathy Based on Color Fundus Photographs. ARVO 2019
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## **Oral and poster presentations**

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| 06/16/2018 | Ophthalmic Screening for High Risk Population Using Mobile Tele-ophthalmology (Pilot Study) WOC |
| 05/06/2016 | Cataract Surgery in Nanophthalmic Eyes<br>Surgery Day<br>ASCRS 2016                             |
| 03/03/2016 | Cataract Surgery in Nanophthalmic Eyes<br>Surgery Day<br>AGS 2016                               |