

Gowtham Jonna, M.D.

CURRENT ADDRESS:

Work: Retina Consultants of Austin, PA
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EMPLOYMENT:

- **Retina Consultants of Austin, PA** Austin, TX
September 2017- Present
- **Retina Research Center, PLLC** Austin, TX
September 2017- Present

EDUCATION & TRAINING:

- **Vanderbilt University** *Nashville, TN* 2015 – 2017
 - Vitreoretinal Diseases and Surgery Fellowship
- **Albert Einstein College of Medicine** *Bronx, NY* 2012 – 2015
 - Ophthalmology Residency
- **Memorial Sloan-Kettering Cancer Center** *New York, NY* 2011 – 2012
 - Transitional Year Internship
- **UMDNJ – Robert Wood Johnson Medical School (RWJMS)** *Piscataway, NJ* 2007 – 2011
 - M.D.
- **Rutgers University – Rutgers College** *New Brunswick, NJ* 2003 – 2007
 - B.A. in Biological Sciences. Graduated *summa cum laude* (G.P.A.: 3.95).

AWARDS & HONORS:

- VitreoRetinal Surgery Foundation Research Award 2016
- ARVO National Eye Institute-Sponsored Travel Grant 2016
- Academic Excellence Award in Ophthalmology 2015
- Chief Resident in Ophthalmology 2014 – 2015
- Academic Excellence in Nutrition 2011
- Alpha Omega Alpha Honor Medical Society (Junior & Senior) 2010 – 2011
- S. Oakley van Der Poel Award for Excellence in Premedical Studies 2007
- Phi Beta Kappa 2006
- Alpha Epsilon Delta (Premedical Honor Society) 2006
- Rutgers College Deans' Award 2004
- The National Society of Collegiate Scholars 2004
- Rutgers College Academic Excellence Award 2003
- Rutgers University Dean's List (all semesters) 2003 – 2007

BOARD CERTIFICATION:

- ABO Written Qualifying Exam – Passed Mar. 29, 2016

MEDICAL LICENSURE:

- Texas #R1552 Feb 6, 2017 – Feb 28, 2018
- Tennessee #52519 Mar. 27, 2015 – Feb. 28, 2017

TESTING:

- OKAP – 673/90 Mar. 14, 2015
- OKAP – 659/87 Mar. 15, 2014
- OKAP – 602/87 Mar. 30, 2013
- USMLE Step 3 – 252/91 May 21, 2012
- USMLE Step 2 CK – 262/99 Nov. 24, 2010
- USMLE Step 2 CS – Passed June 29, 2010
- USMLE Step 1 – 242/99 June 19, 2009

RESEARCH EXPERIENCE:

- **Vanderbilt University Medical Center, Vitreoretinal Diseases and Surgery** (7/2015 – present) *Nashville, TN*
 - Intravitreal Triamcinolone vs. Intravitreal Dexamethasone Implant for Macular Edema (9/2016 – present).
Mentor: *Stephen J. Kim, M.D.*
 - Enhanced Depth SD-OCT Imaging of Flat Choroidal Nevi (PI: 7/2016 – present). Mentor: *Anthony D. Daniels, M.D.*
 - Cognitive Impairment in Ophthalmologists and Patient Complaints (4/2016 – present). Mentor: *Paul Sternberg, Jr., M.D.*
 - Prospective Retinal and Optic nerve Vitrectomy Evaluation (PROVE) (11/2015 – present). Mentor: *Stephen J. Kim, M.D.*
 - SCORE2 Clinical Trial (8/2015 – present)
 - CHROMA Clinical Trial (8/2015 – present)
 - The Uveitis Atlas (7/2015 – 11/2015) – Blastomycosis, Coccidioidomycosis. Mentor: *Anita Agarwal, M.D.*
- **Montefiore Medical Center, Albert Einstein College of Medicine, Department of Ophthalmology and Visual Sciences** (7/2012 – present) *Bronx, NY*
 - Review of Electrophysiological Testing in Pediatric Population. Mentor: *Norman Medow, M.D.* (06/2014 – present).
 - Anatomic and Functional Outcomes of Tractional Retinal Detachment Repair With or Without Preoperative Bevacizumab
Mentor: *Saadia Rashid, M.D.* (06/2014 – present).
 - Corneal Endothelial Cell Changes in Diabetes. Mentor: *Prabjot Channa, M.D.* (05/2013 – present).
 - Updated Practical Intraocular Lens Power Calculation After Refractive Surgery. Mentor: *Prabjot Channa, M.D.* (01 – 05/2013)
 - Bronx Eye Disease Study: The Resident Experience. Mentor: *David C. Gritz, M.D.* (11/2013 – 7/2015)
 - In-vitro Effect of Phacoemulsification and Antibiotics on *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Enterococci*.
Mentor: *Umar K. Mian, M.D.* (10/2012 – 7/2015)
- **Stanford University Medical Center, Department of Ophthalmology** (8/2010 – present)
 - An automated segmentation method and analysis of drusen (11/2014 – present). Mentor: *Theodore Leng, M.D.*
 - An automated three-dimensional retinal layer segmentation method for normal and age-related macular degeneration eyes in SD-OCT (7/2013 – present). Mentor: *Theodore Leng, M.D.*
 - Predictors of Highly Cited Publications in Retina (2010-2011). Mentor: *Darius M. Moshfeghi, M.D.*
- **Memorial Sloan-Kettering Cancer Center, Department of Ophthalmic Oncology** (11/2011 – 06/2012) *New York, NY*
 - Safety and Efficacy of Intra-arterial Carboplatin-based Chemotherapy for Retinoblastoma. Mentors: *David H. Abramson, M.D., Brian P. Marr, M.D., and Jasmine H. Francis, M.D.*
 - Correlation of Photopic and Scotopic ERGs in Evaluation of Toxicity from Intra-arterial Chemotherapy for Retinoblastoma. Mentors: *Scott E. Brodie, M.D., David H. Abramson, M.D.*
- **Retina-Vitreous Center/NJ Retina, Department of Ophthalmology** (6/2008 – present) *New Brunswick, NJ and Edison, NJ*
 - Safety & Efficacy of Topical 1.25% Povidone-Iodine Monotherapy Post-Intravitreal Injection (2011). Mentor: *Daniel B. Roth, M.D.*
 - Fluoroquinolone Antibiotic Resistance Rates in Treatment-Naïve Patients vs. Patients who have Received At Least Ten Short Courses of Topical Antibiotic due to Repeated Intravitreal Injections for Exudative Age-Related Macular Degeneration (2010). Mentor: *Daniel B. Roth, M.D.*
 - IACUC Submission for Animal Study: NSAID Ophthalmic Solutions – Head-To-Head Study of Penetration (12/21/2009). Mentor: *Daniel B. Roth, M.D.*
 - **Inferior Intravitreal Injection Site Associated With Higher Incidence of Post-Injection Endophthalmitis** (6/2/08 – 7/25/08). Mentor: *Daniel B. Roth, M.D.*
 - IRB submission for Retrospective Study: Comparing Different Techniques of Retinal Detachment Repair (6/2008). Mentor: *Daniel B. Roth, M.D.*
- **Undergraduate: St. Peter's University Hospital, Pediatrics Critical Care** *New Brunswick, NJ* (5/17/04 – 6/30/05)
 - Use of Tissue Plasminogen Activator (TPA) in the Early Management of Complicated Parapneumonic Effusion. Mentor: *Christoph Ohngemach, M.D.*
 - Efficacy of Propofol as an Anesthetic Agent in Procedural Sedations in Children under Two Years of Age. Mentor: *Tiong G. Thé, M.D.*

PRESENTATIONS:

- **Jonna G.** Shots, Shot, Shots! Grand Rounds on Post-injection Endophthalmitis at UT-MB. *November 15, 2016.* Galveston, TX.
- **Jonna G,** Thompson IA, Kim SJ. Five-Year Functional Outcomes after Epiretinal Membrane Surgery: A Prospective, Controlled Study.
-Presented at the **ARVO Annual Meeting** by *Gowtham Jonna, M.D.* May 1, 2016. Seattle, WA.
- Chen Y, Huang S, **Jonna G,** and Channa P. Corneal Endothelial Cell Changes in Diabetes Mellitus.
-Presented at the **ARVO Annual Meeting** by *Yicheng Chen, M.D.* May 5, 2014. Orlando, FL.
-Presented at the **NYAM Ophthalmology Residents' Night** by *Yicheng Chen, M.D.* May 29, 2014. New York, NY.
- Liu CY, **Jonna G,** Francis JH, et al. Non-selectivity of ERG reductions in eyes treated for retinoblastoma.
-Presented at the **ARVO Annual Meeting** by *Catherine Y. Liu, M.D.* May 7, 2013. Seattle, WA.
- Roth DB, **Jonna G,** Kheterpal A, et al. Inferior Intravitreal Injection Site Associated with Higher Incidence of Post-injection Endophthalmitis.
-Presented at the **AAO Annual Meeting** by *Daniel B. Roth, M.D.* October 25, 2009. San Francisco, CA.
-Presented at **Retina Congress (ASRS)** by *H. Matthew Wheatley, M.D.* October 3, 2009. New York, NY.
-Presented at **ARVO Annual Meeting** by *Daniel B. Roth, M.D.* May 5, 2009. Fort Lauderdale, FL.

PUBLICATIONS:

- **Jonna G** and Agarwal A. Coccidioidomycosis. The Uveitis Atlas. India: Springer;2018: *Pending publication.*
- Fathy CA, **Jonna G,** and Agarwal A. Blastomycosis. The Uveitis Atlas. India: Springer;2018: *Pending publication.*
- **Jonna G** and Katz MS. Sebaceous Gland Carcinoma. Encyclopedia of Ophthalmology. Vienna: Springer;May 27, 2016.
- Katz MS and **Jonna G.** Corneoretinal Dystrophy, Bietti's Crystalline. Encyclopedia of Ophthalmology. Vienna: Springer;May 27, 2016.
- **Jonna G,** Katz MS, Rubaltelli DM, Gritz DC, and Gehlbach PL. Acute Ophthalmic Artery Occlusion as Initial Manifestation of Acquired Immunodeficiency Syndrome. *Int J Ophthalmol Clin Res* 2015;2(3):028.
- **Jonna G,** Roth DB, Fine HF, Wheatley HM, Prenner JL, Kheterpal A, Cohen S, and Feuer WJ. Inferior Intravitreal Injection Site Associated with Higher Incidence of Post-injection Endophthalmitis. *International Eye Science* 2015 May;15(5):750-4.
- Zhang J, **Jonna G,** and Katz MS. ICAM Still Roll With It. *J Pediatr Ophthalmol Strabismus* 2015 Mar-Apr;52(2):75.
- Katz MS and **Jonna G.** Adaptive Optics: Astronomy, Military Might, and Retinal Imaging. *J Pediatr Ophthalmol Strabismus* 2015 Jan-Feb;52(1):11.
- Katz MS, Fingerhut DE, and **Jonna G.** Exudative Retinal Detachment as a Presenting Sign in Philadelphia-Chromosome Positive Acute Lymphoblastic Leukemia. *Retinal Cases and Brief Reports* 2014 Fall;8(4):340-1.
- Liu CY, **Jonna G,** Francis JH, Marr BP, Abramson DH, and Brodie SE. Non-selectivity of ERG reductions in eyes treated for retinoblastoma. *Documenta Ophthalmologica* 2014;128:13-23.
- Katz MS, **Jonna G,** and Fingerhut DE. Vitreomacular Adhesion and Neovascular Age-related Macular Degeneration. *Survey of Ophthalmology* 2014 Mar-Apr;59(2):260.
- Francis JH, Gobin YP, Dunkel IJ, Marr BP, Brodie SE, **Jonna G,** and Abramson DH. Carboplatin +/- Topotecan Ophthalmic Artery Chemosurgery for Intraocular Retinoblastoma. *PLoS ONE* 2013;8(8):e72441.
- **Jonna G** and Channa P. Updated practical intraocular lens power calculation after refractive surgery. *Current Opinion in Ophthalmology* 2013;24(4):275-80.
- Fingerhut DE, Katz MS, and **Jonna G.** Photodynamic Therapy with or without Intravitreal Bevacizumab for Polypoidal Choroidal Vasculopathy: Two Years of Follow-up. *Am J Ophthalmol* 2013;155(5):954.
- **Jonna G,** Katz MS, and Fingerhut DE. Cognitive Impairment in AMD. *Ophthalmology* 2013;120(5):1106.

PROFESSIONAL ORGANIZATIONS:

- American Society of Retina Specialists (ASRS) 2016 – present
- Tennessee Academy of Ophthalmology 2015 – present
- American Society of Cataract and Refractive Surgery (ASCRS) 2014 – present
- American Academy of Ophthalmology (AAO) 2011 – present
- The Association of Research in Vision and Ophthalmology (ARVO) 2011 – 2012, 2015 – 2016
- Alpha Omega Alpha Honor Medical Society 2010 – present

STUDENT ORGANIZATIONS:

- American Medical Association (AMA)

- American Medical Students Association (AMSA)
- American Association of Physicians of Indian Origin (AAPI)
- Ophthalmology Interest Group (OIG)

Undergraduate:

- Rutgers University Community Cares (RUCC)
- The National Society of Collegiate Scholars (NSCS)
- Hindu Students Council (HSC)

PUBLIC HEALTH-RELATED COMMUNITY SERVICE:

- Bronx Borough President Back to School Health and Literacy Fair – **Glaucoma and Pediatric Ophthalmologic Screening** *West Bronx Recreation Center, Bronx, NY (09/07/2013)*
- Community Oriented Primary Care (COPC) Service-Learning Program: Dementia Day Program – conducted activities with seniors *University Behavioral Healthcare, Piscataway, NJ (07/2009 – 08/2009)*
- The Homeless and Indigent Population Health Outreach Project (HIPHOP) Health Workshop: Drugs & their Effects on the Brain – conducted an interactive after-school program for elementary school students *New Brunswick, NJ (2007 – 2008)*
- Volunteer, Elijah’s Soup Kitchen *New Brunswick, NJ (2004 – 2007)*

TEACHING EXPERIENCE:

- **Instructor, Vitreoretinal Diseases & Surgery** *Vanderbilt University Medical Center, TN (7/2015 – 7/2017)* – teaching medical students and resident physicians; leading retina imaging, fluorescein angiography, and case conferences
- **Teaching Program for Internal Medicine Providers: Direct & Panoptic Ophthalmoscopy and Clinical Pearls (CME-accredited)** *Montefiore Medical Center, NY (9/2014)*
- **Resident Education: Basics of Ophthalmology – Diagnosis & Management** *Albert Einstein College of Medicine, NY (2014)* – lecture series for Internal Medicine, Emergency Medicine, and Neurology residents
- **Medical Student Education: Simulated and Live Direct Ophthalmoscopy** *Albert Einstein College of Medicine, NY (1/2014)*
- Tutor and Mentor, Plenty for College Success (PFCS) *New Brunswick Free Public Library, NJ (2004 – 2007)*
- Tutor, International Friendship Program (IFP) *Piscataway, NJ (2004 – 2007)* – “Conversations with International Students” – helped international students at Rutgers University become proficient in the English language

FOREIGN LANGUAGES SPOKEN:

- Telugu (Indian)
- Spanish – conversant

HOBBIES & INTERESTS:

- Basketball, Tennis, Table Tennis, Billiards
- Bodybuilding & Nutrition
- Traveling
- Listening to Music