

ZACHARY GEORGE HEATH, M.D.

Home: 714 McCullough Ave Apt 255 • San Antonio, TX 78215

Phone: (574) 807-4842 • E-Mail: zheath8@gmail.com

EDUCATION

SAN ANTONIO UNIFORMED SERVICES HEALTH EDUCATION CONSORTIUM Ophthalmology Residency	San Antonio, TX <i>Class of 2020</i>
SAN ANTONIO UNIFORMED SERVICES HEALTH EDUCATION CONSORTIUM Transitional Year Internship	San Antonio, TX <i>Class of 2017</i>
UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES Medical Doctor	Bethesda, MD <i>Class of 2016</i>
DUKE UNIVERSITY Bachelor of Science - Biology Minors: Chemistry and Psychology	Durham, NC <i>Class of 2011</i>

CURRENT POSITION

STAFF OPHTHALMOLOGIST Wilford Hall Ambulatory Surgical Center, San Antonio, TX	2020-Present
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LICENSURE

Nebraska Medical License	07/28/2017 – Present
Texas Medical License	08/07/2020 – Present
American Board of Ophthalmology – Board Certified	10/23/2021 – Present

ACADEMIC APPOINTMENTS

Assistant Professor, Department of Surgery Uniformed Services University of the Health Sciences – Bethesda MD	2020 – Present
Adjunct Assistant Professor, Department of Surgery Texas A&M College of Medicine – Bryan, TX	2020 – Present

OTHER POSITIONS AND EMPLOYMENT

United States Air Force Officer Active Duty Staff Ophthalmologist - Major	2012 – Present
Anatomy Teaching Assistant Tutor – selected to serve as junior faculty member during the anatomy course for 1 st year medical students	2015-2016
Center For Human Disease Modeling – Duke University, Durham, NC Research Assistant – sequencing and in vivo assay design & implementation investigating ciliopathy disorders	2010 – 2012
Duke Air Force ROTC – Durham, NC Cadet – graduated from Duke ROTC detachment and commissioned as 2 nd Lieutenant in U.S. Air Force	2007 – 2011

TRAINING AND CERTIFICATION

Alcon ORA System	2019 – Present
Basic Life Support (BLS)	2012 – Present
Advanced Life Support (ALS)	2016 – Present
Advanced Trauma Life Support (ATLS)	2016 – 2020
Fundamentals of Critical Care Support (FCCS)	2016 – 2018
Aerospace Medicine Primary 101 Proficiency in aerospace physiology, hyperbaric medicine, & emergency/operational aerospace medicine	2013

PROFESSIONAL MEMBERSHIPS

Texas Medical Association	2022 – Present
American Board of Ophthalmology (ABO)	2021 – Present
American Society of Ophthalmic Trauma	2020 – Present
American Society of Cataract and Refractive Surgery (ASCRS)	2017 – Present
American Academy of Ophthalmology (AAO)	2017 – Present

PUBLICATIONS

Halward B, Plaster A, Hobbs S, Reed D, Joseph S, **Heath Z**, Nelson F, Giles G, Drayna P. Posterior Segment findings in patients on Extracorporeal Membrane Oxygenation (ECMO). *Journal of VitreoRetinal Diseases*. 2020 Aug 12;4(6):490-493

Sander Basten, Erica E. Davis, J.M. Gillis, Ellen van Rooijen, Hans Stoop, Nikolina Baballa, Ive Logister, **Zachary G Heath**, Jones TN, Katsanis N, Voest EE, Van Eeden FJ, Medema RH, Ketting RF, Schulte-Merker S, Looijenga LH, Giles RH. Mutations in LRRC50 Predispose Zebrafish and Humans to Seminomas. *PLOS Genetics* 2013; 9(4): e1003384. Doi: 10.1371/journal.pgen.1003384

POSTERS AND PRESENTATIONS

Finding Focus in Crisis: Resident-Driven Graduate Medical Education at a Military Training Facility during the COVID-19 Pandemic (Lecture)

- Presented at Military Refractive Surgery Safety and Standards Symposium Annual Meeting (MRSSS) - 2020

Efficacy of CE/IOL Alone vs CE/IOL with Kahook Dual Blade in IOP Reduction (Poster)

- Presented at American Society of Cataract and Refractive Surgery - 2020

- Presented at 39th Annual Alamo City Ophthalmology Clinical Conference – 2019

Pill Esophagitis Education Initiative: Application in Garrison and in the Field (Poster)

- Presented at SAUSHEC's Quality Improvement and Patient Safety Conference - 2017

ONGOING RESEARCH

PRK and LASIK: Corneal Microbiome by Patient Demographic and Effect on Complications

- IRB Approved

Efficacy of Cataract Extraction Alone vs Cataract Extraction with iStent or Kahook Dual Blade in IOP Reduction

- IRB Approved

HONORS AND AWARDS

Annual SAUSHEC Resident Research Day Competition (2020) – Awarded 3rd Place

Four Year Type II Air Force ROTC Academic Scholarship – Offered to < 15% of 4 year scholarship winners

Duke Air Force ROTC Detachment Vice Commander – (2010 – 2011)

Duke University – Dean's list 2010, 2011

BOY SCOUTS OF AMERICA – Eagle Scout (2003)

COMMUNITY SERVICE AND HUMANITARIAN MISSIONS

Panama Ophthalmology Humanitarian Mission – Panama City, Panama 2019

Member of team that performed 296 surgical procedures (221 MSICS cases) with 1,176 patient encounters

Habitat for Humanity – Durham, NC 2009 – 2011

Volunteer

Duke University Medical Center – Durham, NC 2009 – 2011

Weekly volunteer in pediatrics unit

CREDENTIALLED HOSPITALS

Wilford Hall Ambulatory Surgical Center 2020 – Present

San Antonio Military Medical Center 2020 – Present

REFERENCES

Joseph Santamaria, M.D. – joesantam3@gmail.com - (916)-202-4764

Karina Bostwick, M.D. – karina.bostwick@gmail.com - (402)-301-5644

Ryan Davis, M.D. – ryan.e.davis4.mil@health.mil - (520)-991-3476