

# ZACHARY GEORGE HEATH, M.D.

## EDUCATION

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

## CURRENT POSITION

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<b>STAFF OPHTHALMOLOGIST</b> Wilford Hall Ambulatory Surgical Center, San Antonio, TX	2020-Present
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## LICENSURE

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

## ACADEMIC APPOINTMENTS

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

## OTHER POSITIONS AND EMPLOYMENT

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

## TRAINING AND CERTIFICATION

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

## PROFESSIONAL MEMBERSHIPS

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

## PUBLICATIONS

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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

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**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 39<sup>th</sup> 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

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**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

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**Annual SAUSHEC Resident Research Day Competition (2020) – Awarded 3<sup>rd</sup> 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

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**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

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**Wilford Hall Ambulatory Surgical Center** 2020 – Present

**San Antonio Military Medical Center** 2020 – Present