JED H. ASSAM

EDUCATION/TRAINING

EDUCATION:

Fellowship: Vitreoretinal Surgery Graduated: June 2023

University of Texas Health Science Center at San Antonio, San Antonio, TX

Residency: Ophthalmology Graduated: June, 2021

University of Texas Medical Branch (UTMB), Galveston, TX

Internship: Internal Medicine Graduated: June, 2018

UTMB, Galveston, TX

Major: Medical Degree Graduated: May, 2017

USD Sanford School of Medicine, Vermillion, SD

Major: Clinical Anatomy, M.S. Graduated: May, 2016

Creighton University, Omaha, NE

Double Major in Chemistry

Majors: Biochemistry/Molecular Biology, B.S. Graduated: May 26, 2012

Chemistry, B.A.

Minor: Business

Biology Bethel University, St. Paul, MN

WORK EXPERIENCE

Vitreoretinal Surgery Fellow/Faculty Physician, Ophthalmology	July 2021-Present
University of Texas Health Science Center at San Antonio	San Antonio, TX

Resident Physician, Ophthalmology July 2018-June 2021

University of Texas Medical Branch, Ophthalmology Department Galveston, TX

Resident Physician (PGY-1), Internal MedicineJune 2017-June 2018

University of Texas Medical Branch, Internal Medicine Department

Galveston, TX

Sioux Falls, SD

LEADERSHIP POSITIONS

Chief Resident, UTMB Ophthalmology

March 2020-June 2021

- Hand selected for full year position to lead a 12-resident department.
- Renovated department wet lab and surgical curriculum.
- Coordinated industry technology demonstrations and integration to University surgeries.

• Developed a novel curriculum for PGY1 residents in a newly integrated internship with UTMB ophthalmology residency.

Treasurer for Surgical Interest Group

March, 2015-April, 2016

- Managed group financial assets
- Assisted with event planning
- Served as group spokesperson for USD student government budget hearings

"Anatomic Society" Student Leader/Founder

May, 2014-May, 2017

- Established an official student organization at USD.
- Developed a curriculum that provided services to an interdisciplinary group of over 125 medical, physical therapy, and occupational therapy students at USD.

GRANTS/AWARDS/SCHOLARSHIPS

GRANTS:

2021 President Cabinet Award

Applicants: Jed Assam, MD, Karima Khimani, MD, Misha Syed, MD

Award Amount: \$48,830.00

2019 President Cabinet Award

Applicants: Malkit Singh, MD, Lance Lyons, MD, Jed Assam, MD, Mary Schmitz-Brown,

Misha Syed, MD

Award Amount: \$39,659.01

AWARDS:

UTMB Ophthalmology Leadership Award

2021

Given in recognition of service and dedication to promoting leadership in Ophthalmology during Residency

UTMB Ophthalmology Academic Achievement Award

2021

Given in recognition of outstanding performance in ACGME Core Competencies

American Academy of Ophthalmology Artemis Award Nominee

2021

Ophthalmology Residency with University of Texas Medical Branch

UTMB Outstanding Overall Resident Award Nominee

2021

Ophthalmology Residency with University of Texas Medical Branch

GEM (Going the Extra Mile) Card Recipient

2020

Given in recognition for extraordinary dedication to understanding clinical/surgical treatment of orbital fractures and recommending helpful surgical techniques toward optimal patient care. Awarded to an individual Going the Extra Mile in their daily work activities.

Glenda Adams & Danny Adams TDCJ Intern of the Year Award Awarded for demonstrating work ethic, knowledge, and compassion that was consistently superior and exemplary during internship.	2018
Internship with University of Texas Medical Branch, Internal Medicine Department	
Intern of the Month (November) Internship with University of Texas Medical Branch, Internal Medicine Department	2017
GEM (Going the Extra Mile) Card Recipient Given in recognition for an individual demonstrating exemplary professional behavior. Aw to an individual Going the Extra Mile in their daily work activities.	2017 carded
Leonard Tow Humanism in Medicine Award Awarded to a single student among a medical class's Gold Humanism Honor Society induce who best exemplifies the characteristics of integrity, excellence, compassion, altruism, respenditny, and service	
Chester B. McVay Award Awarded by the American College of Surgeons, SD Chapter, for excellence in surgical rese	2017 earch
Gold Humanism Honor Society Inductee Awarded to 15% of class recognizing display of exemplary service, integrity, clinical excel and compassion	2016 lence,
Bethel University Deans Honor List School Year 2008-2009	, 2012
Sanford Health Employee T.O.R.C.H. Award Awarded for displaying values of Trust, Ownership, Risk Taking, Caring, and Healthy in Space 1985.	2010 pirit
SCHOLARSHIPS: TOA Congressional Advocacy Day Scholarship	2019
William Edwin & Anna H Wallar Scholarship Sanford Development Scholarship	2016 2016
Edith Cole Scholarship Dr. A.A. Jordan and Kathryn H. Jordan Scholarship Winner Regional Clinic Scholarship	2015 2015 2015
Harry E Settles, PhD Memorial Scholarship Edith Cole Scholarship	2014 2014
USD Sanford School of Medicine Annual Scholarship	2013
PUBLICATIONS	

- **Assam JH,** Syed M, El-Annan J. Intravitreal Injection Technique. [Video File]. In: Blomquist PH. *Practical Ophthalmology: A Manuel for Beginning Residents*, 8th Edition. San Francisco, American Academy of Ophthalmology. Published 2021.
- **Assam JH,** DeHaan MC, Bakken S, Spanos WC. Adverse event reporting in head and neck transoral robotic surgery: a MAUDE database study. *J Robot Surg*. 2021 Jan 23. doi: 10.1007/s11701-020-01185-1. Online ahead of print.
- **Assam JH,** Miller AM, Chevez-Barrios P, Lee AG. Extraocular muscle biopsy during surgery for strabismus of unknown etiology. *J AAPOS*. 2019;S1091-8431(19)30534-8. doi: 10.1016/j.jaapos.2019.09.010
- Pashaei-Marandi A, **Assam JH**, Bonelli L, Arnold A, Lee AG. Reversible anisocoria due to inadvertent ocular exposure to topical anticholinergic treatment for primary axillary hyperhidrosis. *Can J Ophthalmol*. 2019; : 1-3. https://doi.org/10.1016/j.jcjo.2019.04.009
- **Assam JH,** Spanos WC. Oral cavity reconstruction outcomes using porcine urinary bladder matrix: A retrospective case series. *WOUNDS*. 2018;30(5):131-137
- **Assam JH,** Ferguson T, West N, Spencer TS. An evaluation of SPOTTM vision screening efficacy for children in South Dakota. *S D Med*. 2018;71(5):224-229.
- **Assam JH**, Bernhisel A, Lin A. Intraoperative and postoperative pain in cataract surgery. *Survey of Ophthalmology*. 2018;63(1):75-85.
- Turaihi HH, **Assam JH,** Zanfes JW, Thambi-Pilli T. Laparoscopic treatment of a pyogenic hepatic abscess caused by a transmural duodenal perforation of a toothpick. *S D Med*. 2017;70(8):369-381.
- Turaihi HH, **Assam JH**, Sorrell M. Ascending colon schwannoma an unusual cause of acute lower gastrointestinal bleeding. *S D Med*. 2017;70(1):33-37.
- **Assam JH**, Spanos WC. Treatment of peritonsillar abscess in immunosuppressed patients. *S D Med*. 2017;70(7):314-316.
- **Assam JH**, Powell S, Spanos WC. Unresectable cutaneous squamous cell carcinoma of the forehead with MLH1 mutation showing dramatic response to PD-1 inhibitor therapy. *Clinical Skin Cancer*. 2016;1(1):26-29.
- **Assam JH** and Mamalis N. Hydrogel intraocular lens opacification and calcification pathology using a MemoryLens model. Moran CORE. Eccles Library, University of Utah. July, 2016.
- **Assam JH**, Quinn TH, Militsakh ON. The maxillary artery as a recipient vessel option for complex midface and anterior skull base microsurgical repair: A cadaveric study. *Microsurgery*. 2017;37(6):611-617.

Carlson RK, Lee RA, **Assam JH**, King RA, Nagel ML. Free-radical copolymerization of acrylamides, acrylates, and α -olefins. *Molecular Physics*. 2015;113:1809-1822. DOI: 10.1080/00268976.2015.1015641.

BOOK CHAPTERS

Assam J, Reddy A. Viral posterior uveitis: herpesviridae (HSV/VZV). ASRS Retina Atlas. https://atlas.asrs.org/ 2023. Under review

ACCEPTED ABSTRACTS

Lind T, **Assam J**, Jeong S. Looped fashion fixation – a new technique for increasing canula based chandelier platform stability during vitreoretinal surgery. Abstract/Poster ARVO 2023. *Accepted*

Hsu CW, **Assam JH**, Puthenparambil L. Chronic Relapsing Inflammatory Optic Neuropathy; An Elusive Case. NANOS 2021 Abstract. *Accepted*

Assam JH, Banaee T, Puthenparambil L. Direct Perfluorocarbon Liquid to Silicone Oil Exchange for a Complex, Chronic, Traumatic Retinal Detachment. AAO 2020 Video Abstract. *Accepted*

PRESENTATIONS

CONFERENCE PRESENTATIONS:

Third Coast Retina Conference Case Presentation

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Topic: Dynamic Duo

Third Coast Retina Club Meeting

Back to the Future Sioux Falls Symposium

Topic: The Back is the Future: Updates in Retina

Vance Thompson Vision Foundation

UT Health Science Center San Antonio Ophthalmology Residency Lecturer January 2023

Topic: Uveitis – Helminthic, Bacterial, and Viral Infections

UT Health San Antonio San Antonio, TX

Curso Avazando De Medicina Aerospacial (Advanced Aerospace Medicine Course) Lecturer for "Health Care Professional Subject Matter Expert Exchange" USA - Chile

August 2022

April 2023

Austin, TX

February 2023

Sioux Falls, SD

Title: Ophthalmic conditions in Aerospace Medicine: A review of retinal detachments, triage and disposition

Centro De Medicina Aerospacial de la Fuerza Aerea de Chile Santiago, Chile

UT Health Science Center San Antonio Ophthalmology Residency Lecturer February 2022

Topic: Uveitis – Helminthic, Bacterial, and Viral Infections

UT Health San Antonio San Antonio, TX

UTMB Ophthalmology Resident Research Day Presentation May 2021 Title: Annual Analysis of Patient Demographics in a County Based Indigent Care Clinic Mentor: Kevin Merkley, MD UTMB University Eye Center Galveston, TX **Chester B. McVay Award Presentation** April, 2017 Mentor(s): Thomas H. Quinn, PhD, and Oleg N. Militsakh, MD Topic: "The maxillary artery as a recipient vessel option for complex midface and anterior skull base microsurgical repair: A cadaveric study" 2017 Annual Meeting for ND/SD Chapters of the American College of Surgeons Fargo, ND **GRAND ROUNDS PRESENTATIONS: Grand Rounds Presentation** January 2023 Topic: "Dynamic Duo" UT Health San Antonio San Antonio, TX **Grand Rounds Presentation** July 2022 Topic: "Triple Threat" UT Health San Antonio San Antonio, TX **Grand Rounds Presentation** April 2022 Topic: "The Pach-man" UT Health San Antonio San Antonio, TX **Grand Rounds Presentation** January 2022 Topic: "To the Retina and Beyond" UT Health San Antonio San Antonio, TX **Grand Rounds Presentation** July 2021 Topic: "Glaucoma: A Clinical Review" Orlando VA Medical Center Orlando, FL **Grand Rounds Presentation** March 2021 Topic: "No Pressure" UTMB University Eye Center Galveston, TX **Grand Rounds Presentation** January 2021 Topic: "Seeing the Light" UTMB University Eye Center Galveston, TX **Surgical Case Presentation** October 2020

Galveston, TX

Topic: Toric Lens Selection and Operative Techniques

UTMB University Eye Center

Grand Rounds Presentation	July 2020
Topic: "Can You Tell" UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation	March 2020
Topic: "Lumps and Bumps" UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation	February 2020
Topic: "Battling the Bulge" UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation Topic: "Round and Round"	January 2019
UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation	October 2019
Topic: "To Look or not to Look" UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation	May 2019
Topic: "Hazed and Confused." UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation Topic: "AAO Mid-Year Forum 2019, April 10-12, Washington D.C." Co-presenter: Hamza Pasha, MD	May 2019
UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation Topic: "Double HIT"	April 2019
UTMB University Eye Center	Galveston, TX
Grand Rounds Presentation	March 2019
Topic: "What Lies Beneath?" Houston Methodist, Blanton Eye Center	Houston, TX
Grand Rounds Presentation	February 2019
Topic: "Tremor and Tremble" Houston Methodist, Blanton Eye Center	Houston, TX
Grand Rounds Presentation	January 2019
Topic: "Therapeutic and Diagnostic" Houston Methodist, Blanton Eye Center	Houston, TX
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Grand Rounds Presentation January 2018

Topic: "From Dark to Light: Why its Worth the Fight"

Houston Methodist, Blanton Eye Center Houston, TX

Grand Rounds Presentation December 2018

Topic: "The Foreign Body"

UTMB University Eye Center Galveston, TX

Grand Rounds Presentation October 2018

Topic: "Double Take on Double Vision"

UTMB University Eye Center Galveston, TX

Grand Rounds Presentation September 2018

Topic: "Hooked on Eye Trauma: An interesting case of Commotio Retinae"

UTMB University Eye Center Galveston, TX

Grand Rounds Presentation July, 2016

Mentor(s): Nick Mamalis, MD, and Liliana Werner, MD

Topic: "Hydrophilic Acrylic (Hydrogel) Intraocular Lens Calcification Pathology: A Hard Case" University of Utah, Moran Eye Center Salt Lake City, UT

POSTER PRESENTATIONS

Meeting: UTMB Ophthalmology Resident Research Day

Date: May 2019

Topic: "Analysis of the Clinical Presentation for Giant Cell Arteritis and Mimickers in End Stage

Renal Disease Patients Using Histological Evaluation"

Galveston, TX

Meeting: 4th Annual UTMB GME Quality Improvement and Patient Safety Poster Sessions

Date: May 2019

Topic: "Enhancing Equipment Access for Ophthalmologic Bedside Procedures in the

Consultation Setting"

UTMB Jennie Sealy Hospital Galveston, TX

MEMBERSHIPS

Gold Humanism Honor Society, Resident Member	Fall 2017-Present
American Academy of Ophthalmology	July 2018-Present
Texas Ophthalmology Association	January 2019-Present
Aerospace Medical Association	February 2020-Present
Alliance of Air National Guard Flight Surgeons	June 2021-Present
American Society of Retinal Specialists	July 2021-Present
Space Surgery Association	May 2023-Present

RESEARCH EXPERIENCE

Clinical Research 2020

Mentor(s): Touka Banaee, MD, and Jaafar El-Annan, MD

• Performed rare pathology case write-up of a patient with macular telangiectasia findings on chronic raloxifene. **Manuscript submitted for publication.**

University of Texas Medical Branch

Galveston, TX

Clinical Research

Mentor(s): Larry Puthenparambil, MD

2020

- Performed rare pathology case write-up of a patient with chronic relapsing inflammatory optic neuropathy. **Abstract Accepted to NANOS 2021**
- Prepared an instructional video describing management of a complex, chronic, traumatic retinal detachment using direct perfluorocarbon liquid to silicone oil exchange. <u>Accepted</u> as a video abstract to AAO 2020

University of Texas Medical Branch

Galveston, TX

Clinical Research Internship with FAA at CAMI

2018

Mentor(s): Charles Mathers, MD, and Rahul Suresh, MD

 Performed analysis of post-event coronary artery disease surveillance data in 1st Class United States Civilian Airman as an intern for the Federal Aviation Administration (FAA).

Civil Aerospace Medical Institute (CAMI), FAA

Oklahoma City, OK

Clinical Research 2016

Mentor(s): Amy Lin, MD and Ashlie Bernhisel, MD

• Assisted in the development of a Review Article titled "Intraoperative and Postoperative Pain in Cataract Surgery". **Published in** *Survey of Ophthalmology*.

Moran Eye Center, University of Utah

Salt Lake City, UT

Clinical Research 2016

Mentor(s): Nick Mamalis, MD and Liliana Werner, MD

• Performed pathology write-up on intraocular lens calcification pathology. <u>Published on</u> Moran CORE website.

Moran Eye Center University of Utah

Salt Lake City, UT

Northern Plains Eye Foundation (NPEF) Children's Vision Screening Initiative

Mentors: Ryan Scarborough, MD; Terry Spencer, MD; Jeffery Rausch, OD

Research Details

• Performed a prospective comparison study of screening data on a pool of 120 cases collected as part of the Children's Vision Screening Initiative through the Northern Plains Eye Foundation. Included a manuscript write-up, "An evaluation of SPOTTM vision screening efficacy for children in South Dakota". **Published in** *South Dakota Medicine*.

Northern Plains Eye Foundation

Rapid City, SD

Independent Anatomy Research on 3rd Segment of Maxillary Artery

Mentor: Thomas Quinn, PhD, and Oleg Militsakh, MD

Research Details:

• Performed a cadaveric research study on "The Maxillary Artery as a Recipient Vessel Option for Complex Midface and Anterior Skull Base Microsurgical Repair: A Cadaveric Study". **Published in** *Microsurgery*.

Creighton University & University of Nebraska Medical Center

Omaha, NE

Clinical Research 2016 & 2015

Mentor: William C. Spanos, MD

Research Details:

- Performed a case study, with write up, on a dramatic response of unresectable cutaneous squamous cell carcinoma invading the orbit and cavernous sinus to pembrolizumab (a PD-1 inhibitor) therapy. **Published in** *Clinical Skin Cancer*.
- Performed retrospective analysis and write-up of post-operative outcomes for a series of oral cavity defect reconstructions during a 4-year timespan using a decellularized dermis (Matristem, ACell Inc.) xenograft for defect repairs. **Published in WOUNDS**.
- Performed a case study, with write-up, "Treatment of Peritonsillar Abscess in Immunosuppressed Patients". **Published in** *South Dakota Medicine*.

USD Sanford School of Medicine

Sioux Falls, SD

Clinical Research 2015

Mentor: Hasan H. Turaihi, MD

Research Details:

• Performed a rare pathology case study write-up, "Ascending colon schwannoma an unusual cause of acute lower gastrointestinal bleeding". **Published in** South Dakota Medicine.

USD Sanford School of Medicine

Sioux Falls, SD

Clinical Research 2015

Mentor: Thavam Thambi-Pillai, MD

Research Details:

• Performed case study write-up on a rare presentation of pyogenic hepatic abscess resulting from a transmural duodenal perforation of a toothpick identified in the left hepatic lobe. **Published in** *South Dakota Medicine*.

USD Sanford School of Medicine

Sioux Falls, SD

2013

Behavioral Neuroscience Research Lab Experience

Mentor: Denise Yilmazer-Hanke, MD, PhD

Lab Duty Details:

• Harvested fetal mouse brain tissue, prepared agarose gels and ran electrophoresis samples, prepared and ran RT-PCR samples (RNA and DNA).

Creighton University Omaha, NE

2016

TEACHING EXPERIENCE

TENOTH 13 EM EMEL 10E	
Retina Day BAMC and UT Health Ophthalmology resident training B scan ultrasound	2022 San Antonio, TX
Surgical Wet Lab, Ophthalmology Skills Session	2020
UTMB Resident led surgical teaching session for medical student	Galveston, TX
Practice of Medicine, Ophthalmology Skills Session	2019
UTMB Resident led teaching session for medical student ophthalmic skills	Galveston, TX
Practice of Medicine, Ophthalmology Skills Session	2018
UTMB Resident led teaching session for medical student ophthalmic skills	Galveston, TX
Occupational Therapy Gross Lab Student Instructor	2016
OTD 340 Course, Creighton University	Omaha, NE
Human Anatomy for Pre-Professionals Gross Lab Student Instructor	2016
BMS 411-1 Course, Creighton University	Omaha, NE
Human Neuroanatomy Student Instructor	2016
CAN 630-1 Course, Creighton University	Omaha, NE
USD Allied Health Neuroscience Gross Anatomy Lab Review	2016
Physical Therapy and Occupational Therapy at the University of SD	Vermillion, SD
Surgical Suture Skills Event	2015
Surgical Interest Group at the University of SD	Vermillion, SD
Rural EMS Anatomy and Physiology Training (Respiratory and Cardiac	System) 2015
Developed and executed 2 separate classes recognized by SD Board of Medic	-
Examiners for CME credit	Winner, SD
Gross Anatomy Lab Practice Practical's (3 Sessions)	2014
Anatomic Society at the University of SD	Vermillion, SD
Gross Anatomy Lab Reviews (3 Sessions)	2014
Anatomic Society at the University of SD	Vermillion, SD
USD Pre-Med Group Skills Session	2014
	Vermillion, SD
EXTRACURRICULAR/ COMMUNITY SERVICE	
I Care San Antonio, Retina Clinic	2021-2023
501(c) 3 non-profit ophthalmology indigent care services clinic	San Antonio, TX

St. Vincent's Clinic UTMB Ophthalmology indigent care services clinic	2018-2021 Galveston, TX
"Navajo Nation Outreach" Ophthalmology outreach clinic on Navajo Reservation	2016 Monument Valley, UT
CONFERENCE ATTENDANCE	
2023 AsMA 93 rd Annual Scientific Meeting	May 2023 New Orleans, LA
2023 Alimera's Fellows Forum Virtual Event	May 2023 San Antonio, TX
Third Coast Retina Club Meeting	April 2023 Austin, TX
Vit-Buckle Society Annual Meeting	April 2023 Las Vegas, NV
ASRS Business of Retina Meeting	March 2023 Dallas, TX
Back to the Future Sioux Falls Symposium	February 2023 Sioux Falls, SD
23 rd Annual Retina Fellows Forum	December 2022 Chicago, IL
Advances in Retina Course – Bausch & Lomb	September 2022 St. Louis, MO
8th Annual Duke fAVS Course	May 2022 Durham, NC
Aspen Retinal Detachment Society Annual Meeting	March 2022 Aspen, CO
2021 Alcon Virtual Retina Fellows Institute	October 2021 San Antonio, TX
American Society of Retina Specialists Annual Meeting	October 2021 San Antonio, TX
22 nd Annual Advanced Vitreoretinal Techniques and Technology Sys	mposium August, 2021 Chicago, IL