

Samuel S. Ornell, MD

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Business

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License Information

State: TX Medical License # BP10070382 Status: Current (Physician-in-Training)

Education and Training

Fellowship

Florida Orthopaedic Institute, Orthopaedic Trauma Fellowship

07/18/25 – 07/31/26

Department Head: Dr. Roy Sanders, MD
5901 E Fowler Ave, Suite 100
Temple Terrace, FL 33617
Fellowship Manager: Joanna Mullins #813-253-2068 opt. 2

Residency

University of Texas Health San Antonio Orthopaedics

07/01/20 – 06/20/25

Department Head: Dr. Robert Quinn, MD
7703 Floyd Curl Drive, MC7774
San Antonio, Texas 78229-3900
Residency Manager: Lashun Matthews #210-567-5109

Medical School

University of Texas Health Science Center at San Antonio (UTHSCSA)

07/01/15 – 05/17/20

Doctor of Medicine with Distinction in Research
Acting Dean: Francisco Cigarroa, MD
7703 Floyd Curl Drive
San Antonio, Texas 78229
Vice Dean for Undergraduate Medical Education: Deborah Conway, MD #210-567-4429

Research Fellowship

University of Texas Health San Antonio Department of Orthopaedics

07/01/18 - 06/30/19

Orthopaedic Research Fellow
Department Head: Dr. Robert Quinn, MD
7703 Floyd Curl Drive, MC7774
San Antonio, Texas 78229-3900
Research Fellowship Chairman: Dr. Boris Zelle #412-628-8014

Undergraduate

The University of Oklahoma

August 2011- May 2015

B.S. Biology, *Summa cum Laude*

660 Parrington Oval
Norman, Oklahoma 73019-0390

Research

Safety and Efficacy of a Two-Screw Cephalomedullary Nail for Intertrochanteric Femur Fracture Fixation: A Retrospective Case Series in 264 Patients **2018**

- Manuscript accepted by *Patient Safety in Surgery* on 10/17/2018, published online 11/6/2018

A New Risk to the Axillary Nerve During Percutaneous Proximal Humeral Plate Fixation Using the Synthes PHILOS® Aiming System **2018-2019**

- Abstract pending for presentation at Orthopaedic Research Summit 2019
- Manuscript accepted for publication by *Journal of Shoulder and Elbow Surgery* on 2/10/2019, published online 4/25/19

High Energy Fractures of the Tibial Plafond **2018-2019**

- Manuscript accepted for publication by *International Orthopaedics* 4/27/19, published online 5/15/19

Early Clinical and Radiographic Outcomes of a Mini-Fragment, Low Profile Plating System in Tibial Plafond Fractures **2018-2019**

- This manuscript was completed as part of a 2018 grant from the Smith and Nephew Research Committee of \$18,656.14
- Abstract pending for presentation at the Mid-America 2019 conference
- Manuscript accepted for publication by *Injury* 7/21/19, published online 7/23/19

Fungal Infection After Total Elbow Arthroplasty **2019**

- Manuscript accepted for publication by *Case Reports in Orthopaedics* 8/5/19, in press.

Hypoalbuminemia and Obesity in Orthopaedic Trauma Patients: Body Mass Index a Significant Predictor of Surgical Site Complications. **2018-2019**

- Accepted for ePoster presentation at the 2019 European Congress for Trauma and Emergency surgery (ECTES)
- Manuscript accepted for publication by *Scientific Reports*. Published online 2/6/20.

The State of the Unfunded Ankle Fracture: Significant Delays in Treatment Result in Increased Risk of Surgical Site Infections **2019-Present**

- Abstract accepted for poster presentation at the American Association of Orthopaedic Surgeons 2020 national conference.

Inequalities in Pediatric Fracture Care Timeline Based on Socioeconomic Factors **2018-2020**

- Published by *JAAOS Global Research & Review* 6/12/2020

Clinical and Radiographic Outcomes of a Novel Pre-contoured Anterior Titanium Plate

2018-Present

- Manuscript pending publication by *Journal of Shoulder and Elbow Surgery*

Open Transsyndesmotic Ankle Fracture-Dislocation with Transverse Medial Laceration—The "Logsplitter" Ankle Injury **2018-Present**

- Accepted for oral presentation by the European Congress for Trauma and Emergency Surgery (ECTES) 2019 conference

Olecranon Fracture Revision with Tension Band Construct: Outcome and Analysis of 6 Patients

2018-Present

- Abstracting pending for poster presentation at the Orthopaedic Research Society 2019 conference

The University of Texas Health San Antonio Orthopaedic Trauma Patient Data Repository

2018-Present

- Worked with Dr. Boris Zelle and associates from KCI to create an orthopaedic trauma patient data registry for our institution
- Received a KCI Collaborative Research Agreement Grant for registry creation
- Constructed CRF forms and data entry fields in REDCap database and currently assist with patient data collection. Continue to manage registry development and data acquisition.

Necrotizing Fasciitis Caused by Gas-Producing Methicillin-Sensitive *Staphylococcus aureus*: A Case Report **2019-Present**

- Manuscript to be submitted to *Case Reports in Orthopedics* for publication

Infections in High-risk Tibial Plateau and Tibial Plafond Fractures: A Systematic Review

2019-Present

- Investigating the incidence, and contributing risk factors of surgical site infection in high-risk tibial plafond and tibial plateau fractures.
- Data extraction underway

NCAA Recruitment Parallels the Orthopaedic Surgery Match

2018-Present

- Worked with Dr. Rajiv Rajani on a manuscript discussing the details between the orthopaedic surgery residency match, curriculum, and departmental structure to that of NCAA athletic programs
- Manuscript in progress to be submitted to *Journal of Graduate Medical Education*.

Orthopaedic Surgery Residents Returning as Faculty

2019-Present

- Worked with Dr. Rajiv Rajani on a project investigating if there is a trend between community or academic-based orthopaedic surgery residency programs for having former residents return as faculty.
- Data collection in progress

Presentations

- UT Health San Antonio Department of Vascular Surgery Grand Rounds** 2018
- “Level Selection for Amputation of the Lower Extremity”
 - Presented during departmental grand rounds during my MS3 surgery clerkship
- Inequalities in Pediatric Fracture Care Timeline Based on Socioeconomic** 2019
- Poster presentation at the UT Health San Antonio Research Day
- The Impact of Malnutrition on Surgical Site Complications in Orthopaedic Trauma Patients with Femoral Shaft Fractures: A Retrospective Cohort Study** 2019
- Poster presentation at the UT Health San Antonio Research Day
- Open Transsyndesmotic Ankle Fracture-Dislocation with Transverse Medial Laceration—The “Logsplitter” Ankle Injury** 2019
- Poster presentation at the UT Health San Antonio Research Day
- Open Transsyndesmotic Ankle Fracture-Dislocation with Transverse Medial Laceration—The “Logsplitter” Ankle Injury** 2019
- Oral presentation at the European Congress for Trauma and Emergency Surgery (ECTES) 2019 conference
- High Energy Fractures of the Tibial Plafond** 2020
- Department of Cell Systems & Anatomy Grand Rounds presentation at the Joe R. and Teresa Lozano Long School of Medicine
- The State of the Unfunded Ankle Fracture: Significant Delays in Treatment Result in Increased Risk of Surgical Site Infections** 2020
- ePoster presentation at the American Association of Orthopaedic Surgeons 2020 national conference.

Volunteer Work

- UT Health San Antonio Night of the Arts (NOTA) Fundraising Committee** 2016
- “Night of the Arts” is a fund raiser event which includes an art auction and evening of musical performances where all proceeds go towards supporting the operations of the UT Health San Antonio Student Run Free Clinics. As part of the fundraising committee, I worked with fellow students to coordinate fundraising opportunities with local businesses, artists and community members and assisted with running the fundraising event.
- Special Olympics Texas Medical Staffing** 2017
- Supported medical staffing for Special Olympics Texas sports events. Events included flag football, basketball, and bowling. As part of the volunteer medical staffing, I assisted with the treatment of minor injuries at sporting events.

Work Experience

- Anesthesiology Student Anesthesia Technician** July 2016- March 2017
University Hospital, San Antonio, TX
- Prepared arterial and central catheter transducer sets, ran arterial blood gases, assisted with intra-operative procedures, cleaned and prepared anesthesia equipment between operative cases.

General Internal Medicine Statewide Preceptorship Program (GIMSPP)**June 2016**

- Gained early clinical experience as an MS1 working with doctors of the North Texas Kidney Disease Associates clinics in Dallas, Plano, and Carrollton Texas.

Leadership Experience

UTHSCSA Admissions Student Interviewer**August 2018 - January 2019**

- Selected to assist in the admissions process by representing the Joe R. and Teresa Lozano-Long School of Medicine as a student interviewer. Interviewed and assessed medical school applicants and aided in interview day activities.

Facilitated Acceptance to Medical Education Mentor**January 2016 – January 2018**

- During MS1 and MS2 years I served as a mentor and tutor for University of Texas at San Antonio college students who were in the Facilitated Acceptance to Medical Education (FAME) program.
- This position entailed tutoring course materials and assisting with the transition into medical school for these students.

UTHSCSA Veritas Big/Little Program Mentor**March 2016 - March 2018**

- Veritas is a UTHSCSA organization constructed to help students at various stages in medical school.
- Facilitated student to student mentorship by pairing students in their MS2 and MS3 years with MS1 students as a resource and personal mentor at the start of their medical career
- Served as a Veritas Big/Little Mentor which included mentoring first year medical students during monthly meetings.

University of Texas Health San Antonio Advanced Musculoskeletal Anatomy Teaching Assistant**January 2020- March 2020**

- Participated in lectures, detailed dissections, and presentations of prosected material to second year medical students in musculoskeletal systems module and medical gross anatomy laboratory. Assisted students with gross dissections as well as tutored small groups of students over course materials and gross anatomic structures.

Awards/Achievements

Charles A. Rockwood Jr. M.D. Student Award.**2020**

- Awarded for excellence in Orthopaedics as a student

Phi Beta Kappa Honor Society**2015****Professional Societies**

Texas Medical Association Member**2015-present****American Medical Association****2015-present****Alamo Orthopaedic Society****2020-present****Certifications**

Basic Life Support**2016-present****Advanced Cardiac Life Support****2019- present**

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1/22/2025