

# Christian J. Quinones, MD

Family Medicine Physician — Research, Systems, and Infrastructure

[cjqu001.github.io](https://github.com/cjqu001)

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## EDUCATION

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Doctor of Medicine, Ponce Health Sciences University School of Medicine, 2023

Thomas University, B.S. in Biology, 2018

The University of Tennessee Southern, Biology coursework, 2013 to 2015

Coláiste Íde College of Further Education, Physical Education, 2012 to 2013

## POSTGRADUATE TRAINING

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Family Medicine Residency, Florida State University College of Medicine, 2026 to 2029

General Surgery Preliminary Year, University of Central Florida HCA Florida Ocala Hospital, 2023 to 2024

## RESEARCH EXPERIENCE

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### *Research Assistant*

LSU Health Sciences Center Shreveport, 2024 to 2026

### *Clinical Research Coordinator, Kerecis Real-World Fish Skin Graft Registry (NCT06384183)*

LSU Health Sciences Center Shreveport, 2025 to 2026

### *Undergraduate Research Mentor*

LSU Health Sciences Center Shreveport, 2025

## ADDITIONAL EXPERIENCE

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- Medical AI Trainer (3D Imaging & Segmentation), OpenAI, 2025 to Present
- Private Investigator Intern, Torres Protection Group, 2023 to 2025
- Lab Assistant, Addiction Research Lab, Ponce Health Sciences University, 2019 to 2022
- Multiple Sclerosis Clinical Mentorship Program Mentee, Vanderbilt University, 2021
- Medical Assistant, Florida Department of Disability, 2019
- Medical Scribe, Southeastern Emergency Medicine Association, 2015 to 2018
- Fisherman, Alaska General Seafoods, 2012

## PEER-REVIEWED PUBLICATIONS

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- Jameson WP, Lupo BD, Schwartz AM, Daigle A, Anwar A, Surendran S, Tran H, **Quinones CJ**, Kumbhare D, Guthikonda B, et al. Endplate Bone Quality Assessment for Preoperative Planning and Patient-Specific

Implementation in Lumbar Spine Surgery. *Journal of Clinical Medicine*. 2026;15(7):2800. <https://doi.org/10.3390/jcm15072800>

- Lupo BD, Jameson WP, **Quinones CJ**, Malek AE, Kumbhare D, Guthikonda B, Hoang S. Risk Factors and Outcomes of Surgical Site Infections of the Spine: A Retrospective Multi-Center Analysis. *Journal of Clinical Medicine*. 2025;14(10):3520.
- **Quinones CJ**, Kumbhare D, Palfreeman M, Rathod U, Sarda D, Chakrabarty S, Guthikonda B, Hoang S. Kinematic analysis of lumbar pedicle screw placement using an artificial intelligence framework. *Neurosurgical Focus*. 2025;59(1):E9.
- **Quinones CJ**, Kumbhare D, Guthikonda B, Hoang S. Scoping Review of Machine Learning and Patient-Reported Outcomes in Spine Surgery. *Bioengineering*. 2025;12(2):125.
- **Quinones CJ**, Wilson JP, Kumbhare D, Guthikonda B, Hoang S. Optimizing Single-Position Prone Lateral Lumbar Interbody Fusion with Exoscopic Technology: A Review of Key Innovations. *Journal of Clinical Medicine*. 2025;14(4):1132.
- **Quinones CJ**, Jameson W, Diaz R, Kim E, Kumbhare D, Allampalli V, Hoang S. Awake prone lateral transpoas lumbar interbody fusion with simultaneous posterior decompression and fusion: Illustrative case. *Journal of Neurosurgery: Case Lessons*. 2025;10(12).
- **Quinones CJ**, Bolufer A, Hewitt C, Tuli S. Portable Head Computed Tomography Protocol for Trauma. *HCA Healthcare Journal of Medicine*. 2025;6(2).
- **Quinones CJ**, Wilson JP, Kumbhare D, Guthikonda B, Hoang S. Clinical Assessment and Management of Acute Spinal Cord Injury. *Journal of Clinical Medicine*. 2024;13(19):5719.
- **Quinones CJ**, Wilson JP, Kumbhare D, Sin A, Guthikonda B, Hoang S. Stereotactic navigation for traumatic parafalcine subdural hematoma evacuation: Illustrative cases. *Journal of Neurosurgery: Case Lessons*. 2024;8(27):CASE24541.
- Wilson JP, Bonin B, **Quinones CJ**, Kumbhare D, Guthikonda B, Hoang S. Spinal Anesthesia for Awake Spine Surgery: A Paradigm Shift for Enhanced Recovery after Surgery. *Journal of Clinical Medicine*. 2024;13(17):5326.

## ACCEPTED / IN PRESS

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- Use of navigation to optimize awake prone lateral interbody fusion with posterior decompression and fusion. *Neurosurgical Focus Video*. Accepted, pending publication.
- Editorial response to editors regarding Vertebral Bone Quality (VBQ). In press.

## MANUSCRIPTS UNDER REVIEW / SUBMITTED

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- **Quinones CJ**, Jameson W, Schwartz A, Lupo B, Wolters J, Kumbhare D, Guthikonda B, Hoang S. Automated Quantification of Vertebral Bone Quality Score Using an Artificial Intelligence Framework. *Neurosurgery*. Submitted September 2025.
- **Quinones CJ**, Schwartz A, Lupo B, Jameson W, Surendran S, Tran H, Hoang S. Automated End Plate Bone Quality Measurements Using an Artificial Intelligence Framework. *Journal of Neurosurgery: Spine*. Submitted September 2025.
- **Quinones CJ**, Lupo B, Diaz R, Kim E, Hoang S. Awake Prone Lateral Transpoas Lumbar Interbody Fusion with Simultaneous Posterior Decompression and Fusion (Video Submission). *Operative Neurosurgery*. Under review, June 2025.

- Jameson WP, Cook MM, Legendre E, Adams K, **Quinones CJ**, Lupo B, Hutchinson K, Brown E. Empowering High School Staff to Respond to Emergencies: A Pilot Training Program for Intranasal Naloxone and Epinephrine Administration. *BMC Public Health*. Under review, June 2025.
- **Quinones CJ**, Jameson W, Palmieri LF, Kumbhare D, Guthikonda B, Hoang S. Comparative Effectiveness of DuraSeal and Adherus for Cerebrospinal Fluid Leak Prevention in Spine Surgery: A Systematic Review. *Neurosurgical Review*. Under review, November 2024.
- Evaluation of a Clinically Focused Pilot Artificial Intelligence Curriculum for Medical Students Delivered by Near-Peer Instructors. *Medical Science Educator*. Submitted, under review.
- Optimal Timing of Cervical Spine Surgery in Polytrauma Patients: A Population-Based Study from ACS Level I and II Trauma Centers. Under review.

## HONORS AND AWARDS

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- Young Surgeons Grant Award
- President's List
- Summa Cum Laude
- Academic Excellence in Analytical Geometry/Calculus
- Academic All-District
- NAIA Men's Soccer National Championship

## PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

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- [Q Empire LLC](#)
- [Clinicians with Ambitions LLC](#)
- Alliance of Therapy Dogs
- American Association of Neurological Surgeons
- Southern Neurosurgical Society
- Surgical Interest Group

## LANGUAGES

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- English
- Spanish