## CURRICULUM VITAE

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### EDUCATION

**COLLEGE:** Union College, Schenectady, NY

2003 – 2007

Bachelor of Science – Biology and Economics

**PROFESSIONAL SCHOOLS** Union Graduate College, Schenectady, NY

**OF GRADUATE STUDY:**  2006 – 2008

Master of Business Administration – Healthcare Management

Albany Medical College, Albany, NY

2007- 2011

Doctor of Medicine

**RESIDENCY:** George Washington University Hospital, Washington, DC

2011 – 2016

**FELLOWSHIP:** Spine Surgery Fellowship

Emory University, Atlanta, GA

2016 – 2017

**SPECIALTY CERTIFICATION:** American Board of Orthopaedic Surgery

**HONORS AND AWARDS:**

Alpha Omega Alpha, 2010

Joint Appointment in Neurosurgery and Orthopaedic Department at Tulane University

**PROFESSIONAL MEMBERSHIPS:**

American Academy of Orthopaedic Surgeons (AAOS)

North American Spine Society (NASS)

AO Spine

**PEER REVIEWED ARTICLES:**

Lumbar Spine Surgery Reduces Postoperative Opioid Use in the Veteran Population. Paymon R, Clark S, Lee O, Dumont A, Cyriac M, Sherman W.*Journal of Spine Surgery.*Sept 2022

Trends of Single-Level Anterior Cervical Discectomy and Fusion Documentation after the 2015 CMS Coding Audit. Patel A, Ofa S, Collins L, McCluskey L, Sherman W, **Cyriac M.** *Journal of Neurosurgery: Spine*. Aug 2022

Trends in Surgical Approach for Single-Level Lumbar Fusion Over the Past Decade. Wilder, J. Heath MD; Ross, Bailey J. BA; McCluskey, Leland C. MD; Cyriac, Mathew MD, MBA; Patel, Akshar H. MD; Sherman, William F. MD, MBA. Clinical Spine Surgery. Aug 2022

Anterior Spinal Fusion Surgery Associated with Lower Risk of Stroke, Pneumonia, and Infection Compared to Posterior Spinal Fusion Surgery.

McCluskey L, Angelov I, Wu Victor, Gupta S, Saifi C, **Cyriac M.** *The Spine Journal*. Pending Publication with review of changes 2022

Samtani R, Weinreb J, **Cyriac M**, Huttman D, O’Brien J. The Effect of Esophageal Temperature Probes on Postoperative Dysphagia Following Primary Anterior Cervical Discectomy and Fusion: A Randomized Prospective Study. *IJSS* 2021

**Cyriac M**, Kyhos J, Iweala U, Lee D, Mantell M, O'Brien JR. Anterior Lumbar Interbody Fusion With Cement Augmentation Without Posterior Fixation to Treat Isthmic Spondylolisthesis in an Osteopenic Patient—A Surgical Technique. *International Journal of Spine Surgery*. 2018 Jun 1:5037.

Rhee JM, Shi WJ, **Cyriac M**, Kim JY, Zhou F, Easley KA, Patel A. The P-mJOA - A patient-

derived, self-reported outcome instrument for evaluating cervical myelopathy: Comparison with

the mJOA. *Clinical Spine Surgery 2017*

[Medvedev G](https://www.ncbi.nlm.nih.gov/pubmed/?term=Medvedev%20G%5BAuthor%5D&cauthor=true&cauthor_uid=27689760), [Wang C](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wang%20C%5BAuthor%5D&cauthor=true&cauthor_uid=27689760),[**Cyriac M**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Cyriac%20M%5BAuthor%5D&cauthor=true&cauthor_uid=27689760), [Amdur R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Amdur%20R%5BAuthor%5D&cauthor=true&cauthor_uid=27689760), [O'Brien J](https://www.ncbi.nlm.nih.gov/pubmed/?term=O'Brien%20J%5BAuthor%5D&cauthor=true&cauthor_uid=27689760). Complications, Readmissions, and Reoperations in Posterior Cervical Fusion. [*Spine (Phila Pa 1976).*](https://www.ncbi.nlm.nih.gov/pubmed/27689760) 2016 Oct 1;41(19):1477-1483. PMID: 27689760.

[Mantell M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Mantell%20M%5BAuthor%5D&cauthor=true&cauthor_uid=26384133), [**Cyriac M**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Cyriac%20M%5BAuthor%5D&cauthor=true&cauthor_uid=26384133), [Haines CM](https://www.ncbi.nlm.nih.gov/pubmed/?term=Haines%20CM%5BAuthor%5D&cauthor=true&cauthor_uid=26384133), [Gudipally M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Gudipally%20M%5BAuthor%5D&cauthor=true&cauthor_uid=26384133), [O'Brien JR](https://www.ncbi.nlm.nih.gov/pubmed/?term=O'Brien%20JR%5BAuthor%5D&cauthor=true&cauthor_uid=26384133). Biomechanical analysis of an expandable lateral cage and a static transforaminal lumbar interbody fusion cage with posterior instrumentation in an in vitro spondylolisthesis model. [*J Neurosurg Spine*.](https://www.ncbi.nlm.nih.gov/pubmed/26384133) 2016 Jan;24(1):32-8. PMID: 26384133.

[Huttman D](https://www.ncbi.nlm.nih.gov/pubmed/?term=Huttman%20D%5BAuthor%5D&cauthor=true&cauthor_uid=26637063), [**Cyriac M**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Cyriac%20M%5BAuthor%5D&cauthor=true&cauthor_uid=26637063), [Yu W](https://www.ncbi.nlm.nih.gov/pubmed/?term=Yu%20W%5BAuthor%5D&cauthor=true&cauthor_uid=26637063), [O'Brien JR](https://www.ncbi.nlm.nih.gov/pubmed/?term=O'Brien%20JR%5BAuthor%5D&cauthor=true&cauthor_uid=26637063). The unusual presentation of a vascular injury after lumbar microdiscectomy: case report. [*J Neurosurg Spine*.](https://www.ncbi.nlm.nih.gov/pubmed/26637063) 2016 Mar;24(3):381-4. PMID: 26637063.

Davis D, **Cyriac M**, Ge D, You Z, Savoie FH. In Vitro Cytotoxic Effects of Benzalkonium Chloride in Corticosteroid Injection Suspension. *J Bone Joint Surg Am.* 2010;92(1):129-137. PMID:20048105.

**BOOK CHAPTERS:**

McClusky, L **Cyriac M.** Prone Transpsoas Lateral Approach. *Lumbar Spine Access Surgery: A Comprehensive Guide to Anterior and Lateral Approaches,* J O’Brien (Ed), Springer. Nov 2022

**Cyriac M**, Heller JG. Cervical Disc Arthroplasty. *Emory’s Illustrated Tips and*

*Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Boden S, Rhee JM. Lumbar Laminectomy. *Emory’s Illustrated Tips and*

*Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Yoon ST. Percutaneous lumbar fusion and pedicle screw instrumentation. *Emory’s Illustrated*

*Tips and Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Rhee JM. Pedicle Subtraction Osteotomy and Correction. *Emory’s Illustrated Tips and*

*Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Rhee JM. Smith-Peterson Osteotomy. *Emory’s Illustrated Tips and*

*Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Michael K. Thoracic Lateral Interbody Fusion and Corpectomy. *Emory’s Illustrated Tips*

*and Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Michael K. Direct Lateral Interbody Fusion: Standard and Anterior Column Release. *Emory’s Illustrated*

*Tips and Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Michael K. Non-Operative Reduction of Cervical Fractures and Dislocations. *Emory’s Illustrated Tips*

*and Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Michael K. Operative Treatment of Thoracolumbar Flexion-Distraction Injuries. *Emory’s Illustrated Tips*

*and Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

**Cyriac M**, Michael K. Operative Treatment of Thoracolumbar Fracture-Dislocations. *Emory’s Illustrated Tips*

*and Tricks in Spine Surgery*, JM Rhee (Ed), Lippincot Williams and Wilkins. August 2019

Mehul D, Petersahn J, **Cyriac M**, O'Brien J, Lati C. Lumbar Disc Displacement, in Pain Medicine: An Interdisciplinary Case-Based Approach. Hayek S, Ed., Oxford University Press, 2015, pp. 196-212.

**PRESENTATIONS:**

Advanced Techniques in Lateral Spine Surgery, Stryker Spine, Las Vegas, NV. September 2022

Anterior to the Psoas (ATP): Indications, Surgical Technique, Tips and Trick

Tulane Orthopaedic Grand Rounds, New Orleans, LAJuly 2022

Cervical Spine Injures in the Athlete

Association of Surgical Technicians: National Meeting, New Orleans, LA June 2022

Minimally Invasive Spine Surgery: OLIF, XLIF, TLIF, PSF**,** Prone Lateral

PTP (Prone Transpsoas) Summit**,** ATEC Spine, San Diego, CA June 2022

Access to the difficult L4-5

LSU Pain Fellowship Grand Rounds, New Orleans, LAJune 2022

Surgical Management of Lumbar Stenosis

Advanced Techniques in Lateral Spine Surgery, Stryker Spine, Miami, FL. May 2022

Anterior Column Release: Indications, Surgical Technique, Tips and Trick

Tulane Radiology Grand Rounds, New Orleans, LAMarch 2022

Review of Imaging: MRI Lumbar Spine

National Sales Meeting, ATEC Spine, San Diego, CA February 2022

OLIF/ATP vs PTP

Tulane Orthopaedic Grand Rounds, New Orleans, LAJanuary 2022

Ankylosing Spondylitis: Spine Fractures

Society for Minimally Invasive Surgery – Young Surgeon’s Forum, Las Vegas, NV September 2021

Prone Lateral Fusion: Tips & Tricks

Prone Lateral Summit, Medtronic, Dallas, TX June 2021

Improving access to L4-5 in the prone position

LSU Pain Fellowship Grand Rounds, New Orleans, LAJune 2021

Surgical Management of Lumbar Stenosis

Tulane Orthopaedic Grand Rounds, New Orleans, LAApril 2021

Cervical Radiculopathy

Louisiana Orthopaedic Association – Annual Meeting, March 2021

Epidemiology of Surgical Site Infection after Spinal Fusion for Idiopathic Scoliosis from 2008-2017 Using a National Database (with Granruth C, Igoboechi O, Savoie F)

Society for Minimally Invasive Surgery – Young Surgeon’s Forum, October 2020

Outcomes of Anterior vs Posterior Approach to Single Level Lumbar Interbody Fusion (with Gupta S, McCluskey L, Vu V)

Hibbs Society, SRS Annual Meeting, Anchorage, AK, September 2014

Proximal Junctional Failure Following Posterior Spinal Fusion to the Lower Thoracic

Spine: the Effect of Cement Augmentation (with Ho A, Napier Z, Yu W, and O’Brien J)

Society for Minimally Invasive Surgery – Global Forum, Miami, FL, September 2014

The Effect of an Esophageal Probe on Post-Operative Dysphagia Following Primary Anterior

Cervical Discectomy and Fusion: a Randomized Prospective Study (with Huttman D,

Yu W, O’Brien J)

AAOS Annual Meeting, New Orleans, LA, March 2010

In Vitro Cytotoxic Effects of Benzalkonium Chloride in Corticosteroid Injection Suspension

(with Davis D, Ge D, You Z, and Savoie FH)

**LEADERSHIP ROLES:**

**Tulane Surgical Executive Committee:** Orthopaedic liaison

**Tulane Learning Center:** Faculty/Mentor in Foundations in Medicine Program for Medical Students

**Tulane Spine Directorship:** Improve efficiency/safety of spine surgery at Tulane Medical Center