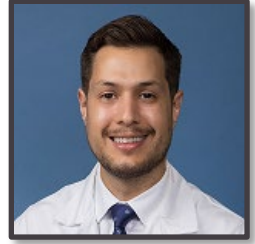




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**Dr. Andrew C. Vivas, MD, FAANS, QME**  
*Board Certified in Neurological Surgery*

*Articulate, Board certified Neurosurgeon with more than 10 years of clinical expertise and 1 year of medical-legal expertise. Highly specialized in Neurosurgery, Orthopedic Surgery, Radiation Oncology, Adult and Pediatric Complex Spinal Deformity and Tumor Surgery.*

## EDUCATION

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- **University of South Florida Honors College, Tampa, FL (2008)**  
Bachelor of Science, Biophysics, Biomedical Engineering
- **University of South Florida College of Medicine, Tampa, FL (2012)**  
Doctor of Medicine, MD, Honors Concentration in Health Care Disparities

## POST DOCTORAL TRAINING

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- **University of South Florida Department of Neurosurgery, Tampa, FL (2013)**  
Internship, Neurosurgery
- **Columbia University Department of Orthopedic Surgery, New York, NY (2016)**  
Observership, Adult and Pediatric Spinal Deformity
- **Shriners Hospital for Children Department of Orthopedic Surgery, Philadelphia, PA (2016)**  
Enfolded Fellowship, Complex Pediatric Spinal Deformity
- **University of South Florida Department of Neurosurgery, Tampa, FL (2019)**  
Residency, Neurosurgery
- **University of South Florida Department of Neurosurgery, Tampa, FL (2019)**  
Chief Resident, Neurosurgery
- **University of South Florida Department of Neurosurgery and Neurology, Tampa, FL (2019)**  
Enfolded Fellowship, Epilepsy
- **Columbia University Department of Orthopedic Surgery, New York, NY (2020)**  
Fellowship, Adult and Pediatric Comprehensive Deformity

## PROFESSIONAL EXPERIENCE

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### CLINICAL APPOINTMENT:

June 2019 – present: Attending Physician, Neurosurgeon, North Florida Regional Medical Center

August 2019 – July 2020: Attending Physician, Department of Orthopedic Surgery  
New York Presbyterian Hospital – Columbia University Medical Center  
The Ochsner Hospital at New York Presbyterian – Allen Pavilion  
New York Presbyterian – Lawrence Hospital  
New York Presbyterian – Children’s Hospital of New York (CHONY)

August 2020 – present: Attending Physician, Department of Neurosurgery and Orthopedic Surgery  
UCLA Ronald Reagan Hospital  
UCLA Santa Monica Spine and Orthopedic Hospital  
Staff Neurosurgeon Greater Los Angeles VA Medical Center

July 2021 – present: Associate Program Director, Neurosurgery Residency, UCLA Department of Neurosurgery, David Geffen School of Medicine at UCLA

## ACADEMIC APPOINTMENTS

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### ACADEMIC APPOINTMENT:

August 2019 – 2020: Assistant in Clinical Orthopedic Surgery, Department of Orthopedic Surgery, Columbia University Irving Medical Center

August 2020 – present: Assistant Professor in Clinical Neurosurgery, Orthopedic Surgery, and Radiation Oncology  
University of California – Los Angeles David Geffen School of Medicine

## CLINICAL EXPERTISE

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### CLINICAL / EXPERTISE:

- Board certified neurosurgeon with fellowship training in complex adult and pediatric spinal deformity and epilepsy
- Clinical focus in the fields of adult and pediatric complex spinal deformity and epilepsy, research focus in the area of growth modulation and biomechanics.
- Special interest and expertise in the organization and execution of international health care and service oriented medical outreach.

### SCOPE OF CLINICAL PRACTICE:

2019-2023 Locum tenens neurosurgeon

2019-2020	<p>Complex cranial, open vascular, trauma, complex spine, neurosurgical oncology, peripheral nerve. Evaluation and treatment of 20-30 patients per day as a member of a multidisciplinary neuro team at a Level II trauma center with Comprehensive Stroke Center designation</p> <p>Attending Physician / Assistant clinical instructor</p> <p>Evaluation and treatment of spinal pathology patients at a tertiary care academic center. Staff call coverage at both tertiary care academic center as well as at a subspecialty spine hospital. Oversight of resident training within the wards and operating room. Admitting /consultant privileges as well as spinal instrumentation and microvascular surgical privileges.</p>
2019-2020	<p>Complex Adult and Pediatric Spine Fellow</p> <p>Clinic evaluation of complex spinal deformity patients within the department of Neurosurgery and Orthopedic Surgery. Surgical assistant / co-surgeon for elective complex spinal deformity surgeries as well as staff surgeon for non-elective call cases.</p>
2020- Present Oncology	<p>Assistant Professor of Neurosurgery, Orthopedic Surgery, and Radiation</p> <p>Complex Adult and Pediatric Spine Surgeon.</p> <p>Director of Spine Surgery in Neurosurgery Division at the Los Angeles VA Medical Center. 70% Clinical, 15% Research, 15% Teaching</p>

## **LICENSURE AND CERTIFICATION**

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### Certifications:

2002	First Aid Certification
2003	Lifeguard Certification
2012	Advanced Trauma Life Support Certification
2019	Advanced Cardiac Life Support Certification (Issued: 9/26/2016, Exp 1/31/2021)
2019	Basic Life Support Certification (Issued: 9/26/2016, Exp 1/31/2021)

### Licensure:

2010	US Medical Licensing Examination Step 1
2011	US Medical Licensing Examination Step 2 CK
2011	US Medical Licensing Examination Step 2 CS
2014	US Medical Licensing Examination Step 3
2017	American Board of Neurological Surgeons Written Boards
2016	FL medical license # ME129903 [Issued: 9/26/2016, Exp 1/31/2023]
2016	PA medical license # MD457312 [Exp 12/31/2022]
2019	NY medical license # 297319-1 [Exp 07/31/2022]
2020	CA medical license #C168987 [Exp 6/30/2022]
2019	DEA Controlled Substance Registration Certificate # FV8135091 [Exp 5/31/2021]
2019	CA Fluoroscopy license
2021	Qualified Medical Examiner State of California (QME)

## BOARD CERTIFICATION

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2019	Board Eligible American Board of Neurological Surgeons (ABNS)
2023	Board Certified American Board of Neurological Surgeons (ABNS)

## PROFESSIONAL ACTIVITIES

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### PROFESSIONAL ORGANIZATIONS (MEDICAL):

2008-2012	American Medical Association (AMA)
2012-present	American Association of Neurological Surgeons (AANS)
2012-present	Congress of Neurological Surgeons (CNS)
2012-2019	Southern Neurosurgical Society (SNS)
2012-2019	Florida Neurosurgical Society (FNS)
2015-present	Society of Lateral Access Surgeons (SOLAS)
2015-present	Society of Minimally Invasive Spine Surgery (SMISS)
2017-present	North American Spine Society (NASS)
2019-present	AO Spine North America (AOSNA)
2021-present	Scoliosis Research Society (SRS)

### INTERNATIONAL HEALTHCARE / MEDICAL OUTREACH:

- 2006 Samara, Costa Rica – **Rural Development**  
Assisted in rural development of a small town on the Pacific coast of Costa Rica, including the planning and excavation of a farming irrigation system. June 2006
- 2015 Guatemala City, Guatemala – **Pediatric Neurosurgery**  
Faculty: Luis F. Rodriguez MD, Andrew Youkilis MD, Michael Boland MD, Bruce Stohrs MD.  
Evaluated ~ 90 pediatric neurosurgical patients in Guatemala and completed 21 pediatric neurosurgical surgeries. Cases included ventriculoperitoneal shunts, surgery for spinal dysraphism, spinal cord detethering, and craniofacial reconstruction for craniosynostosis. April 2015
- 2016 Guatemala City, Guatemala – **Pediatric Neurosurgery**  
Faculty: Luis F. Rodriguez MD, Andrew Youkilis MD, Michael Boland MD.  
Evaluated ~90 pediatric neurosurgical patients in Guatemala and completed 31 pediatric neurosurgical surgeries. Cases included ventriculoperitoneal shunts, reduction and fixation of traumatic spine fractures, surgery for spinal dysraphism, and reconstruction of cranial defects associated with trauma. April 2016
- 2016 Guadalajara, Mexico – **Pediatric and Adult Complex Cranial Neurosurgery**  
Faculty: George I. Jallo MD, Theodore (Ted) Schwartz MD, Alfredo Quiñones-Hinojosa MD, Luis F. Rodriguez MD.  
Participated in collection of tumor specimens for a joint research initiative between Mexican and American neurosurgical institutions. Cases included craniofacial reconstruction for craniosynostosis, awake craniotomy for an invasive glioma, and transnasal endoscopic skull base

resection of a cavernous sinus tumor. Participated in educational lectures for Mexican neurosurgical residents. July 2016

2017 Kingstown, St. Vincent and the Grenadines – **Pediatric Spinal Deformity**

Faculty: Steven Hwang MD.

Evaluated 25 pediatric spinal deformity patients in clinic in St. Vincent and completed 9 pediatric spinal deformity surgeries for adolescent idiopathic, early onset, and congenital scoliosis. Participated in educational lectures for University of the West Indies medical students. May 2017

2017 Hong Kong, Zhaoqing, Xi'an, Wuxi, China – **Adult and Pediatric Complex Skull Base and Cerebrovascular Surgery**

Faculty: Tsz Lau MD

Evaluated and treated adult and pediatric patients at three hospitals in China with complex cerebrovascular and spinal pathologies. Emphasis was placed on teaching cerebrovascular bypass procedures and carotid endarterectomy. This included organized lecture presentations at three hospitals, surgery and two animal model microvascular anastomosis teaching laboratories. September 2017

2017 Bridgetown, Barbados – **Pediatric Spinal Deformity**

Faculty: Steven Hwang MD

Evaluated 20 pediatric spinal deformity patients in clinic and completed 8 pediatric spinal deformity surgeries for adolescent idiopathic. Participated in educational lectures for Barbadian orthopedic residents. December 2017

2018 Kingstown, St. Vincent and the Grenadines – **Pediatric Spinal Deformity**

Faculty: Steven Hwang MD

Evaluated 28 pediatric spinal deformity patients in clinic and completed 11 pediatric spinal deformity surgeries for early onset scoliosis, adolescent idiopathic scoliosis, and Scheuermann's kyphosis. July 2018

COMMITTEE SERVICE (LOCAL AND NATIONAL LEADERSHIP):

LOCAL SERVICE

2005-2006 **Advertising secretary**, Alpha Epsilon Delta Premedical Honor Society

2006-2007 **Vice president**, Alpha Epsilon Delta Premedical Honor Society

2006-2008 **Ambassador**, University of South Florida

2007-2008 **Volunteer Interpreter**, Bridge Healthcare Clinic

2007-2008 **President**, Alpha Epsilon Delta Premedical Honor Society

2007 **Founding member**, Tri-Beta National Biology Honor Society – USF Chapter

2007 **President**, University of South Florida College of Arts and Sciences honor Society

2007 **Volunteer chair**, Sigma Beta Rho Fraternity Inc. Mu Chapter

2007 **Academic chair**, Sigma Beta Rho Fraternity Inc. Mu Chapter

2007-2008 **President**, Sigma Beta Rho Fraternity Inc. Mu Chapter

2008-2012 **Chapter adviser**, Sigma Beta Rho Fraternity Inc. Mu Chapter

NATIONAL SERVICE

2008-2009 **National Convention Committee Director**, Sigma Beta Rho Fraternity Inc.

- 2008-2009 **National Director of Expansion – Southern Region**, Sigma Beta Rho Fraternity Inc.
- 2009-2010 **National Vice President of Operations**, Sigma Beta Rho Fraternity Inc. National Executive Board
- 2010-2011 **National Executive Vice President**, Sigma Beta Rho Fraternity Inc. National Executive Board
- 2010-2011 **Marketing chair and collegiate liaison**, SOS Children’s Villages International Philanthropy
- 2011-2012 **National President**, Sigma Beta Rho Fraternity Inc. National Executive Board
- 2011-2012 **Peer Reviewer**, DynaMed Participatory Education for Clinicians in Training. EBSCO Publishing
- 2021-2022 **Program Chair Annual Meeting**, Society for Minimally Invasive Spine Surgery (SMISS)

**ADMINISTRATIVE SERVICE:**

**INSTITUTIONAL SERVICE**

- 2016-2017 USF Department of Neurosurgery Resident Selection Committee
- 2018-2019 Academic chief resident USF Department of Neurosurgery
- 2018-2019 Spine conference director USF Department of Neurosurgery
- 2018-2019 Director of departmental grand rounds USF Department of Neurosurgery
- 2018-2019 Tampa General Hospital Nursing – Neurosurgery Residency Liaison
- 2018-2019 Tampa General Hospital Department of Surgery, Division of Acute Care Surgery to Department of Neurosurgery Liaison
- 2020-Present Department of Neurosurgery – Medical Student Liaison
- UCLA Santa Monica Hospital – Surgery Case Review Committee
- UCLA Department of Neurosurgery Wellness Officer
- UCLA Comprehensive Spine Center Spine - Spine Program Workgroup Surgical Clinical Pathways Committee Member
- UCLA Spine Trauma Optimization Committee Member
- 2021-Present UCLA Department of Neurosurgery Associate Program Director Residency Program
- UCLA Neurosurgery Residency Clinical Competency Committee
- UCLA Skeletal Dysplasia Multi-disciplinary Consortium
- UCLA Pediatric Spasticity Multi-disciplinary Consortium
- UCLA Perioperative Management Committee
- UCLA Neurosurgery OR Efficiency Committee, Wheels to Skin Subcommittee
- 2022 -Present UCLA Spinal Oncology Multi-disciplinary Consortium
- UCLA Surgical Staff Wellness Committee

**TEACHING:**

**UNDERGRADUATE TEACHING:**

- 2006-2008 MCAT Preparation Course, The Princeton Review

- Lead instructor General Chemistry, Organic Chemistry, Biology, Administrative assistant**
- 2007 Department of Minority Affairs, University of South Florida College of Medicine  
**PSEP Course developer and instructor for Biology, General Chemistry, and Organic Chemistry**
- 2016 Abhishek Dutta, Clinical observer and research  
Bi-monthly meetings with the student for 6 months to discuss

MEDICAL SCHOOL TEACHING:

- 2010 Physical Diagnosis course, University of South Florida College of Medicine  
**Assistant instructor**
- 2011 USMLE Step 1 Preparation course, University of South Florida College of Medicine  
**Instructor and member of Course Development Team**
- 2015-2018 Jordan Davies, Medical Student  
Bi-monthly research meetings, mentorship, and career planning
- 2016-2019 Christian Reitano, Medical Student  
Bi-monthly research meetings, mentorship, and career planning
- 2017-2019 Elliott Pressman, Medical Student  
Monthly research meetings, mentorship, and career planning
- 2017-2019 Paul Marcet, Medical Student  
Bi-monthly research meetings, mentorship, and career planning

POST-GRADUATE TEACHING:

- 2016-2017 USF Department of Neurosurgery Board Prep Course  
**Co-director and instructor**  
Provided weekly written and didactic teaching to 9 junior residents for board preparation
- 2018 USF Department of Neurosurgery Spinal Deformity Course  
**Instructor**  
Didactic teaching and lab proctoring (3 column osteotomies), ~30 attendees
- 2019 USF Department of Neurosurgery Principles of Open Deformity Cadaveric Dissection Course  
**Co-director and instructor**  
Organization, planning, scheduling, didactic teaching, and lab proctoring for open deformity course (3 Column osteotomies) ~ 30 attendees
- 2019 USF Department of Neurosurgery Minimally Invasive Spinal Surgery Cadaveric Dissection Course  
**Co-director and instructor**  
Organization, planning, scheduling, didactic teaching, and lab proctoring for MIS spine surgery course (Retropleurial approaches, MIS TLIF) ~30 attendees
- 2019 USF Department of Neurosurgery Grand Rounds  
**Lecture Curator / Scheduler / Curriculum Developer**

Organization, planning, scheduling, and often execution of the grand rounds curriculum for the USF Neurosurgery Department / residency program

## PROFESSIONAL MEMBERSHIPS

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2008-2012	American Medical Association (AMA)
2012-present	American Association of Neurological Surgeons (AANS)
2012-present	Congress of Neurological Surgeons (CNS)
2012-2019	Southern Neurosurgical Society (SNS)
2012-2019	Florida Neurosurgical Society (FNS)
2015-present	Society of Lateral Access Surgeons (SOLAS)
2015-present	Society of Minimally Invasive Spine Surgery (SMISS)
2017-present	North American Spine Society (NASS)
2019-present	AO Spine North America (AOSNA)

## HONORS AND AWARDS

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1. 2006 **Honors in Biology** University of South Florida Department of Biology
2. 2006 **Deans list**, University of South Florida Department of Chemistry
3. 2006 **Ambassador** University of South Florida College of Arts and Sciences
4. 2007 **Departmental Scholarship Recipient**, University of South Florida Department of Chemistry
5. 2007 **Deans list**, University of South Florida Department of Chemistry
6. 2008 **Deans list**, University of South Florida Department of Chemistry
7. 2008 **Magna cum laude**, University of South Florida Honors College
8. 2008 **Full Tuition Scholarship**, University of South Florida College of Medicine (4 years)
9. 2009 **King Cobra Scholarship for Academic Excellence**
10. 2009 **National Alumnus of the Year**, Sigma Beta Rho Fraternity Inc.
11. 2011 **National Executive Board Member of the Year**, Sigma Beta Rho Fraternity Inc.
12. 2012 **Honors in Health Care Disparities**, University of South Florida College of Medicine



13. 2016 **Young Investigator Award**, Society of Lateral Access Surgeons (SOLAS)
14. 2019 **Fernando L. Vale Golden Apple Resident Teaching Award**, USF Department of Neurosurgery
15. 2019 **National Resident of the Year**, LocumTenens.Com
16. 2020 **David C. Leach Award**, Accreditation Council for Graduate Medical Education (ACGME)
17. 2022 **UCLA Resident Teaching Award (Bronze)**

## RESEARCH & PUBLICATIONS

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### RESEARCH PAPERS - PEER REVIEWED

1. **Vivas AC**, Baaj AA, Benbadis SR, Vale FL. The health care burden of patients with epilepsy in the United States: an analysis of a nationwide database over 15 years. *Neurosurg Focus*. 2012 Mar;32(3):E1. doi: 10.3171/2012.1.FOCUS11322. PubMed PMID: 22380850.
2. Le TV, **Vivas AC**, Baaj AA, Vale FL, Uribe JS. Optimal trajectory for the occipital condyle screw. *J Spinal Disord Tech*. 2014 Apr;27(2):93-7. doi: 10.1097/BSD.0b013e31824e52a6. PubMed PMID: 22425891.
3. Le TV, **Vivas AC**, Dakwar E, Baaj AA, Uribe JS. The effect of the retroperitoneal transpoas minimally invasive lateral interbody fusion on segmental and regional lumbar lordosis. *ScientificWorldJournal*. 2012;2012:516706. doi: 10.1100/2012/516706. Epub 2012 Aug 2. PubMed PMID: 22919332; PubMed Central PMCID: PMC3419412.
4. Vale FL, **Vivas AC**, Manwaring J, Schoenberg MR, Benbadis SR. Temporal lobe epilepsy and cavernous malformations: surgical strategies and long-term outcomes. *Acta Neurochir (Wien)*. 2015 Nov;157(11):1887-95; discussion 1895. doi: 10.1007/s00701-015-2592-4. Epub 2015 Sep 29. PubMed PMID: 26416611.
5. Yen CP, Beckman JM, **Vivas AC**, Bach K, Uribe JS. Effects of intradiscal vacuum phenomenon on surgical outcome of lateral interbody fusion for degenerative lumbar disease. *J Neurosurg Spine*. 2017 Apr;26(4):419-425. doi: 10.3171/2016.8.SPINE16421. Epub 2016 Dec 16. PubMed PMID: 27982763.
6. Waseem H, **Vivas AC**, Vale FL. MRI-guided laser interstitial thermal therapy for treatment of medically refractory non-lesional mesial temporal lobe epilepsy: Outcomes, complications, and

current limitations: A review. *J Clin Neurosci.* 2017 Apr;38:1-7. doi: 10.1016/j.jocn.2016.12.002. Epub 2016 Dec 23. Review. PubMed PMID: 28024732.

7. Abel NA, Januszewski J, **Vivas AC**, Uribe JS. Femoral nerve and lumbar plexus injury after minimally invasive lateral retroperitoneal transpsoas approach: electrodiagnostic prognostic indicators and a roadmap to recovery. *Neurosurg Rev.* 2018 Apr;41(2):457-464. doi: 10.1007/s10143-017-0863-7. Epub 2017 May 30. PubMed PMID: 28560607.
8. **Vivas AC**, Wilsey M, Potthast JK, Tuite GF. Acute Shunt Failure Due to Perforation of Ventriculoperitoneal Shunt Tubing during Percutaneous Gastrostomy. *ACG Case Rep J.* 2017 May 24;4:e75. doi: 10.14309/crj.2017.75. eCollection 2017. PubMed PMID: 28584848; PubMed Central PMCID: PMC5449579.
9. **Vivas AC**, Reitano CJ, Waseem H, Benbadis SR, Vale FL. An analysis of quality of life (QOL) in patients with epilepsy and comorbid psychogenic nonepileptic seizures (PNES) after vagus nerve stimulation (VNS). *Epilepsy Behav.* 2017 Aug;73:208-213. doi: 10.1016/j.yebeh.2017.05.035. Epub 2017 Jun 23. PubMed PMID: 28651170.
10. Januszewski J, Beckman JM, Bach K, **Vivas AC**, Uribe JS. Indirect decompression and reduction of lumbar spondylolisthesis does not result in higher rates of immediate and long term complications. *J Clin Neurosci.* 2017 Nov;45:218-222. doi: 10.1016/j.jocn.2017.07.007. Epub 2017 Jul 29. PubMed PMID: 28765063.
11. **Vivas AC**, Hwang SW, Pahys JM. Insertion of magnetically controlled growing rods in a patient with a diaphragmatic pacemaker: case report. *Neurosurg Focus.* 2017 Oct;43(4):E14. doi: 10.3171/2017.7.FOCUS17356. PubMed PMID: 28965446.
12. Gandhi SV, Januszewski J, Bach K, Graham R, **Vivas AC**, Paluzzi J, Kanter A, Okonkwo D, Tempel ZJ, Agarwal N, Uribe JS. Development of Proximal Junctional Kyphosis After Minimally Invasive Lateral Anterior Column Realignment for Adult Spinal Deformity. *Neurosurgery.* 2019 Feb 1;84(2):442-450. doi: 10.1093/neuros/nyy061. PubMed PMID: 29608699.
13. Pahys JM, **Vivas AC**, Samdani AF, Cunn G, Betz RR, Newton PO, Cahill PJ; Harms Study Group. Assessment of Proximal Junctional Kyphosis and Shoulder Balance With Proximal Screws versus Hooks in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. *Spine (Phila Pa 1976).* 2018 Nov 15;43(22):E1322-E1328. doi: 10.1097/BRS.0000000000002700. PubMed PMID: 29689004.
14. Januszewski J, **Vivas AC**, Uribe JS. Limitations and complications of minimally invasive spinal surgery in adult deformity. *Ann Transl Med.* 2018 Mar;6(6):109. doi: 10.21037/atm.2018.01.29. PubMed PMID: 29707558; PubMed Central PMCID: PMC5900069.
15. **Vivas AC**, Januszewski J, Hajirawala L, Paluzzi JM, Gandhi SV, Uribe JS. Incisional Hernia After Minimally Invasive Lateral Retroperitoneal Surgery: Case Series and Review of the Literature.

Oper Neurosurg (Hagerstown). 2019 Mar 1;16(3):368-373. doi: 10.1093/ons/opy089. PubMed PMID: 29718425.

16. Januszewski J, **Vivas AC**, Bach K, Gandhi SV, Paluzzi J. Minimally Invasive Lateral Transpoas Interbody Fusion at the L4/5 Level: A Review of 61 Consecutive Cases. Oper Neurosurg (Hagerstown). 2018 Oct 1;15(4):447-453. doi:10.1093/ons/opx294. PubMed PMID: 29920604.
17. **Vivas AC**, Shimony N, Jackson EM, Xu R, Jallo GI, Rodriguez L, Tuite GF, Carey CM. Management of hydrocephalus and subdural hygromas in pediatric patients after decompression of Chiari malformation type I: case series and review of the literature. J Neurosurg Pediatr. 2018 Oct;22(4):426-438. doi: 10.3171/2018.4.PEDS17622. Epub 2018 Jul 20. Review. PubMed PMID: 30028271.
18. Sever RW, **Vivas AC**, Vale FL, Schoenberg MR. Wada asymmetry in patients with drug-resistant mesial temporal lobe epilepsy: Implications for postoperative neuropsychological outcomes. Epilepsia Open. 2018 Aug 6;3(3):399-408. doi:10.1002/epi4.12250. eCollection 2018 Sep. PubMed PMID: 30187011; PubMed Central PMCID: PMC6119753.
19. **Vivas AC**, Uribe JS. In Reply: Incisional Hernia After Minimally Invasive Lateral Retroperitoneal Surgery: Case Series and Review of the Literature. OperNeurosurg (Hagerstown). 2019 Oct 1;17(4):E189. doi: 10.1093/ons/opz199. PubMed PMID: 31407001.
20. **Vivas AC**, Reintjes S, Shimony N, Vale FL. Surgery of the amygdala and uncus: a case series of glioneuronal tumors. Acta Neurochir (Wien). 2020 Apr;162(4):795-801. doi: 10.1007/s00701-020-04249-1. Epub 2020 Jan 30. PubMed PMID: 31997072; PubMed Central PMCID: PMC7066292.
21. **Vivas AC**, Pahys JM, Jain A, Samdani AF, Bastrom TP, Sponseller PD, Newton PO, Hwang SW; Harms Study Group. Early and late hospital readmissions after spine deformity surgery in children with cerebral palsy. Spine Deform. 2020 Mar 4. doi: 10.1007/s43390-019-00007-1. [Epub ahead of print] PubMed PMID: 32130680.
22. R Krafft P, Osburn B, **Vivas AC**, Rao G, Alikhani P. Novel Titanium Cages for Minimally Invasive Lateral Lumbar Interbody Fusion: First Assessment of Subsidence. Spine Surg Relat Res. 2019;4(2):171-177. Published 2019 Dec 20. doi:10.22603/ssrr.2019-0089
23. **Vivas AC**, Mundis GM, Uribe JS. Letter to the Editor: “Indirect decompression with lateral interbody fusion for severe degenerative lumbar spinal stenosis: minimum 1-year MRI follow-up”. J Neurosurg Spine. 2020 May 29:1-2. doi: 10.3171/2020.4.SPINE20481. Epub ahead of print. PMID: 32470925.
24. Lombardi JM, **Vivas AC**, Gornet MF, Lanman TH, McConnell JR, Dryer RF, Burkus JK, Riew KD. The Effect of ACDF or Arthroplasty on Cervicogenic Headaches: A Post Hoc Analysis of a Prospective,

Multicenter Study With 10-Year Follow-up. Clin Spine Surg. 2020 Nov;33(9):339-344. doi: 10.1097/BSD.0000000000001087. PMID: 32991361.

25. Lombardi JM, **Vivas AC**, Lehman RA Jr. What Are the Roles of Anterior, Lateral, and Antepsoas Interbody Approaches in Spinal Deformity Surgery? Instr Course Lect. 2021;70:367-378. PMID: 33438922.
26. Lee NJ, Mathew J, Kim JS, Lombardi JM, **Vivas AC**, Reidler J, Zuckerman SL, Park PJ, Leung E, Cerpa M, Weidenbaum M, Lenke LG, Lehman RA, Sardar ZM. Flexion-extension standing radiographs underestimate instability in patients with single-level lumbar spondylolisthesis: comparing flexion-supine imaging may be more appropriate. J Spine Surg. 2021 Mar;7(1):48-54. doi: 10.21037/jss-20-631. PMID: 33834127; PMCID: PMC8024755.
27. Pressman E, Osburn B, **Vivas A**, Krafft P, Ljubimov V, Chen L, Mhaskar R, Alikhani P. Rhabdomyolysis after spinal fusion surgery: management schema and prevention of a catastrophic complication. Br J Neurosurg. 2021 Jan 7:1-11. doi: 10.1080/02688697.2020.1866164. Epub ahead of print. PMID: 33410353.
28. Florence TJ, Say I, Patel KS, Unterberger A, Laiwalla A, **Vivas AC**, Lu DC. Neurosurgical Management of Interspinous Device Complications: A Case Series. Front Surg. 2022 Mar 16;9:841134. doi: 10.3389/fsurg.2022.841134. PMID: 35372480; PMCID: PMC8965756.
29. Mozaffari K, Pradhan A, Yang I, Patel K, **Vivas AC**. Metastatic esthesioneuroblastoma recurrence after 19 years of remission: A systematic review with case illustration. J Neurol Sci. 2022 Nov 15;442:120406. doi: 10.1016/j.jns.2022.120406. Epub 2022 Sep 1. PMID: 36081302.
30. Baisiwala S, Ko M, Zubair H, Li K, **Vivas AC**, Everson R, Liao L, Bari A, Patel KS. Metastatic secondary gliosarcoma: patient series. J Neurosurg Case Lessons. 2023 May 22;5(21):CASE232. doi: 10.3171/CASE232. PMID: 37218733.

## **CHAPTERS:**

1. Yen CP, **Vivas AC**, Uribe JS. **Lateral Interbody Fusion Techniques**. Neurosurgical Operative Atlas: Spine and Peripheral Nerves 3E (eds. Wolfla, Resnick). Thieme 2016.
2. **Vivas AC**, Alsahlawi A, Jallo GI. **Pediatric Brain Injury**. Neurotrauma and Critical Care of the Brain, 2<sup>nd</sup> Ed (eds. Jallo, Loftus). Thieme 2018.
3. **Vivas AC**, Vale FL. **Epilepsy Associated with Cavernous Malformations**. The Causes of Epilepsy 2E (eds. Shorvon, Guerrini, Trinkka, and Shachter). Cambridge University Press 2019.
4. **Vivas AC**. **Functional Neurosurgery Section Author / Editor**. Handbook of Neurosurgery 9E. Thieme 2019.

5. **Vivas AC, Uribe JS. Lumbosacral plexus, innervation of the lower limb including nerve block techniques and nerve injuries.** Grays Surgical Anatomy 1Ed (eds. Standring, Brennan, Wiseman). Elsevier 2019.
6. Groves ML, **Vivas AC**, Samdani AF. **Scoliosis and Other Congenital Vertebral Anomalies.** Textbook of Pediatric Neurosurgery (eds. DiRocco, Pang, Rutka). Springer Publishing Company 2020.
7. **Vivas AC**, Paluzzi JM, Uribe JS. **How and When to Incorporate Minimally Invasive Spine Surgery for Treatment of Advanced Deformity: Decision making.** Minimally Invasive Spine Surgery: Surgical Techniques and Disease Management 2E (eds. Phillips, Lieberman, Polly, Wang). Springer Publishing Company 2019.
8. **Vivas AC**, Greenberg MS. **Scheuermann’s kyphosis.** Handbook of Neurosurgery 9E. Thieme 2019.
9. **Vivas AC**, Shimony N. **Primary Myelomeningocele Closure.** Core Techniques in Operative Neurosurgery. (eds. Jandial). Elsevier 2020.
10. **Vivas AC**, Smith DA. **Spinal Cord Stimulator.** Core Techniques in Operative Neurosurgery 2E. (eds. Jandial). Elsevier 2020.
11. **Vivas AC**, Samdani AF, Hwang SW. **Cerebral Palsy and Muscular Dystrophies.** Spinal Deformities: The Comprehensive Text 2E (eds. DeWald and DeWald). Thieme.
12. **Vivas AC**, Samdani AF, Pahys JM, Hwang SW. **Complications and Reoperations in Adolescent Idiopathic Scoliosis Surgery.** Idiopathic Scoliosis: The Harms Study Group Treatment Guide 2E. (eds. Newton, Samdani, Shufflebarger, Betz, Harms). Thieme.
13. **Vivas AC**, Uribe JS. **Minimally Invasive and Lesser Invasive Approaches to the Anterior Spine.** Spinal Deformities: The Comprehensive Text 2E (eds. DeWald and DeWald). Thieme.
14. Lombardi JM, **Vivas AC**, Lehman RA. **What are the Roles of Anterior, Lateral, and Antepsoas Interbody Approaches in Spinal Deformity Surgery.** Instructional Course Lecture. American Academy of Orthopedic Surgery. 2020.
15. Florence TJ, **Vivas AC.** **Anterior Cervical Discectomy and Fusion.** Handbook of Spine Surgery 3E. (eds. Baaj, Greenberg, Uribe, Mummanenni) Thieme. 2023.

#### **EDITORIALS:**

1. “The Legible Script.” National Literary Journal. Editor in Chief. 2011.  
<http://www.thelegiblescript.org/>

2. "Reflections of a Medical Student: A Student to Student Guide on Medical School Admissions." Health Professions Editorial. USF Honors College. November 2010. [http://honors.usf.edu/documents/Reflections\\_of\\_a\\_2nd\\_Year\\_Med\\_Student.pdf](http://honors.usf.edu/documents/Reflections_of_a_2nd_Year_Med_Student.pdf)
3. "What's in a word? The Evolution and Etymology of the English Language." 7 Star Journal. North American Interfraternity Conference Editorial. January 2009. <http://www.sigrho.com/about-2/seven-star-journal/>

### **ABSTRACTS:**

1. **Vivas AC**, Alvarado F, Vasko M, Xu L, Puchalski T, Henning R. "Stem Cell Therapy – Future Treatment of Myocardial Infarctions". **James A. Haley VA Research Symposium**. Center for Cardiovascular Research at USF. Tampa, FL. May 2007.
2. Alvarado F, **Vivas AC**, Vasko M, Xu L, Henning R. "Coca-ethylene: The Adverse Effects of Alcohol and Cocaine on the Heart and Responses to Stem Cell Therapy". **James A. Haley VA Research Symposium**. Center for Cardiovascular Research at USF. Tampa, FL. May 2007.
3. **Vivas AC**, Alvarado F, Puchalski T, Henning R. "Tetrazolium Staining and Computer Imaging to Approximate Myocardial Infarction Size". **James A. Haley VA Research Symposium**. Center for Cardiovascular Research at USF. Tampa FL. May 2007.
4. **Vivas AC**, Kurtzman M, Willet S. "Integration of CAM therapy in a Traditional Practice". **USF College of Medicine Research Forum**. USF College of Medicine. Tampa, FL. September 2008.
5. **Vivas AC**, Baaj A, Vale F. "Socioeconomic Trends in Epilepsy Treatment and Care Over the Past 15 Years". **USF College of Medicine Research Forum**. USF Department of Neurological Surgery and Brain Repair. Tampa, FL. February 2011.
6. **Vivas AC**, Baaj A, Vale F. "Socioeconomic Trends in Epilepsy Treatment and Care Over the Past 15 Years". **American Epilepsy Society (AES) National Meeting**. Baltimore, MD. December 2011.
7. **Vivas AC**, Le TV, Baaj AA, Vale F, Uribe JS. Optimal Trajectory for the Occipital Condyle Screw. **Cervical Spine Research Society (CSRS) Annual Meeting**. Scottsdale, AZ. December 2011.
8. Le TV, **Vivas AC**, Dakwar E, Baaj AA, Uribe JS. The Effect of the Minimally Invasive Lateral Retroperitoneal Transpsoas Lumbar Interbody Fusion on Segmental and Regional Lumbar Lordosis. **AANS / CNS Joint Section on Disorders of the Spine and Peripheral Nerves**. Orlando, FL March 2012.
9. **Vivas AC**, Liounakos J, Vale FL. A Proposed Treatment Algorithm for Benign Pathology of the Temporal Lobe Presenting with Epilepsy. **American Association of Neurological Surgeons (AANS) Annual Meeting**. New Orleans, LA. April 2013.

10. Vale FL, Benbadis S, **Vivas AC**. An Algorithmic Approach to Temporal Lobe Epilepsy. **American Epilepsy Society (AES) Annual Meeting**. Seattle, WA December 2013.
11. **Vivas AC**, Davies JL, Tuite GF, Vale FV. Insular Hemispherotomy for the Treatment of Catastrophic Epilepsy in Children: A New Center Experience. **AANS / CNS Joint Section on Pediatric Neurological Surgery Annual Meeting**. Seattle, WA December 2015.
12. **Vivas AC**, Abel N, Waseem H, Yen CP, Uribe JS. Femoral and Obturator Nerve Injury After Lateral Retroperitoneal Transpsoas Approach: Prognostic Indicators for Recovery. **Southern Neurosurgical Society (SNS) Annual Meeting**. San Antonio, TX March 2016.
13. **Vivas AC**, Reitano C, Waseem H, Reintjes SL, Benbadis SR, Vale FL. Does VNS Treat Pseudoseizures? An Analysis of Vagus Nerve Stimulation in Patients with Epilepsy and Co-morbid Psychogenic Non-epileptic Seizures. **Southern Neurosurgical Society (SNS) Annual Meeting**. San Antonio, TX March 2016.
14. **Vivas AC**, Reitano C, Waseem H, Reintjes SL, Benbadis SR, Vale FL. Does VNS Treat Pseudoseizures? An Analysis of Vagus Nerve Stimulation in Patients with Epilepsy and Co-morbid Psychogenic Non-epileptic Seizures. **American Society for Stereotactic & Functional Neurosurgery (ASSFN) Biennial Meeting**. Chicago, IL June 2016.
15. Bach K, **Vivas AC**, Yen CP, Paluzzi JM, Januszewski J, Ford J, Foley R, Decker S, Uribe JS. Morphometric Analysis of Lumbar Intervertebral Disk Height: An Imaging Study. **Society for Minimally Invasive Spine Surgery (SMISS) Annual Meeting**. Las Vegas, NV October 2016.
16. Waseem H, **Vivas AC**, Vale FL. A Comparison of Surgical Treatments for Mesial Temporal Lobe Epilepsy. **American Epilepsy Society (AES) Annual Meeting**. Houston, TX December 2016.
17. Januszewski J, **Vivas AC**, Mundis G, Hu S, Berhano P, Okonkwo D, Kanter A, Vedat D, Eastlack F, Uribe J. The Comprehensive Anatomical Classification of Anterior Release Surgery (ACR). **American Association of Neurological Surgeons (AANS) Annual Meeting**. Los Angeles, CA. April 2017.
18. Januszewski J, **Vivas AC**, Mundis G, Hu S, Berhano P, Okonkwo D, Kanter A, Vedat D, Eastlack F, Uribe J. The Comprehensive Anatomical Classification of Anterior Release Surgery (ACR). **American Association of Neurological Surgeons (AANS) Annual Meeting**. Los Angeles, CA. April 2017.
19. Januszewski J, **Vivas AC**, Keem S, Smith W, Beckman J, Kanter A, Oskuian R, Taylor W, Uribe J. The Potentially Fatal Ogilvie's Syndrome in Lateral Transpsoas Access Surgery: A Multi-Institutional Experience with 2930 Patients. **American Association of Neurological Surgeons (AANS) Annual Meeting**. Los Angeles, CA. April 2017.

20. Januszewski J, McBride P, **Vivas AC**, Torres M, Bach K, Beckman J, Uribe J. Radiographic Predictive Factors for Clinical Outcome Improvement Following Indirect Decompression of the Lumbar Spine. **American Association of Neurological Surgeons (AANS) Annual Meeting**. Los Angeles, CA. April 2017.
21. **Vivas AC**, Januszewski J, Albrink M, Uribe J. Incisional Hernia after MIS Retroperitoneal Surgery: Case Series. **American Association of Neurological Surgeons (AANS) Annual Meeting**. Los Angeles, CA. April 2017.
22. Waseem H, **Vivas AC**, Vale F. Amygdalectomy with Minimal Hippocampal Resection As a Treatment Modality For Temporal Lobe Epilepsy (TLE) in the Normal MRI Population: A New Look at an Old Technique. Preliminary Results. **American Association of Neurological Surgeons (AANS) Annual Meeting**. Los Angeles, CA. April 2017.
23. **Vivas AC**, Shimony N, Tuite GF, Rodriguez LF, Jallo GI, Carey C. Management of Subdural Hygroma and Hydrocephalus in Pediatric Patients after Chiari Decompression: Case Series and Review of Literature. **AANS / CNS Joint Section on Pediatric Neurological Surgery Annual Meeting**. Houston, TX. November 2017.
24. **Vivas AC**, Greenberg MS. Pushing the Limits of MIS Lateral Exposure – Case Report of 6 Level Retropleural Corpectomy. **Pittsburgh Spine Summit**. Pittsburgh, PA. August 2018.

#### **LECTURES AND PRESENTATIONS:**

##### **LOCAL:**

1. Guide to the Neuromuscular Examination. **USF College of Medicine – Physical Diagnosis II Curriculum Lecture**. Tampa, FL. February 2010.
2. An Evidence Based Approach to the Treatment of Rheumatoid Arthritis. **USF Department of Internal Medicine Grand Rounds**. Tampa, FL. January 2011.
3. Technologic Advancements in the Surgical Treatment of Thyroid Cancer. **USF Department of Surgery Grand Rounds**. Tampa, FL. April 2011.
4. Socioeconomic Trends in Epilepsy Treatment and Care Over the Past 15 Years. **USF Scholarly Concentrations Program Student Symposium**. Tampa, FL. August 2011.
5. Socioeconomic Trends in Epilepsy Treatment and Care Over the Past 15 Years”. **Georgetown University Department of Neurosurgery Grand Rounds**. Washington D.C., September 2011.
6. Socioeconomics of Epilepsy: Outcome Trends Over the Last 15 Years. **USF Department of Neurosurgery Grand Rounds**. Tampa, FL. January 2012.



7. Understanding Brain Death. **USF Department of Surgery, Division of Acute Care Surgery Grand Rounds.** Tampa, FL. July 2012.
8. The Effect of MIS LIF On Regional and Segmental Lordosis. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. August 2012.
9. Updates on the Management of Gunshot Wounds to the Head. **USF Department of Surgery, Division of Acute Care Surgery Grand Rounds.** Tampa, FL. October 2012.
10. The Patient Safety Education Program. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. April 2013.
11. Indications for Anterolateral Lumbar Interbody Fusion. **USF Department of Neurosurgery Morning Rounds Presentation.** Tampa, FL. October 2015.
12. Cavernous Malformations in the Pediatric Population – Indications for Surgery. **All Children’s Hospital Monthly Multi-disciplinary Epilepsy Conference.** St. Petersburg, FL. January 2016
13. The Most Formidable of Brain Tumors: Updates on the Management of Craniopharyngioma. **USF Neurosurgery Grand Rounds.** Tampa, FL. June 2016.
14. Cervical Hemivertebrae. **Shriner’s Hospital for Children Grand Rounds.** Philadelphia, PA. September 2016.
15. Growth Modulation in the Treatment of Pediatric Deformity: Future Directions of Study. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. January 2017.
16. Preparing for Success Through Successful Preparation – How to Prepare For Surgery. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. June 2017.
17. Fascia – the Forgotten Structure. A Review of the Relevant Fascias of the Lateral and Posterolateral Approaches. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. December 2017.
18. Osteotomies in Spinal Deformity Surgery. **USF Fundamentals of Spinal Deformity Cadaveric Course.** Tampa, FL. January 2018.
19. Assessment of Proximal Junctional Kyphosis and Shoulder Balance with Proximal Screws vs. Hooks in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. February 2018.
20. Causes of Early Readmission in AIS Surgery. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. February 2018.

21. Selective Amygdalectomy for the Treatment of “Paradoxical” Temporal Lobe Epilepsy: Technical Nuances and Case Series. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. February 2018.
22. Congenital Torticollis. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. March 2018.
23. Imaging in Deformity – Review of Lumbar and Spinopelvic Parameters. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. August 2018.
24. Open vs. Endoscopic Approaches to the Anterior Skull Base – Choosing the Optimal Approach. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. September 2018.
25. Functional Imaging in Movement Disorders. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. October 2018.
26. Professionalism in Medicine – Avoiding Boundary Transgressions. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. October 2018.
27. Scheuermann’s Kyphosis and Sagittal Plane Deformity in the Pediatric Patient. Evaluation, Natural History, Non – operative Management. **USF Department of Neurosurgery Grand Rounds.** Tampa, FL. February 2019.
28. Indications and Technical Nuances of the Retropleural Thoracic Approach. **USF Cadaveric Course: Basic and Advanced Tenants of Minimally Invasive Spine Surgery.** Tampa, FL. April 2019.
29. Complications After 3 Column Osteotomy for the Treatment of Adult Spinal Deformity: Avoidance and Management. **USF Cadaveric Course: Principles of Open Spinal Deformity Treatment.** Tampa, FL. April 2019.
30. Pedicle Subtraction Osteotomy and Vertebral Column Resection: Technical Nuances and Indications. **USF Cadaveric Course: Principles of Open Spinal Deformity Treatment.** Tampa, FL. April 2019.
31. Growth Modulation in the Treatment of Adult and Pediatric Spinal Deformity. **University of Alabama Birmingham Department of Neurosurgery Grand Rounds.** Birmingham, Alabama. June 2019.
32. Advances in Treatment of Pediatric Spinal Deformity – Applications of Growth Modulation. **Augusta University / Medical College of Georgia Department of Neurosurgery Grand Rounds.** Augusta, Georgia. October 2019.
33. Patient Selection in Adult Spinal Deformity – What is the Impact of Preoperative Metrics on Outcomes? **University of California Los Angeles Department of Neurosurgery Grand Rounds.** November 2019.

34. Patient Selection in Adult Spinal Deformity – What is the Impact of Preoperative Metrics on Outcomes? **University of South Florida Department of Neurosurgery Grand Rounds**. February 2020.
35. Treatment of Complex Kyphoscoliosis: Operative Nuances. **University of South Florida Department of Neurosurgery Grand Rounds**. February 2020.
36. Principles of Sagittal Plane Deformity Correction. **University of California – Los Angeles Department of Neurosurgery Grand Rounds**. August 2020.
37. Scheuermann’s Kyphosis: Natural History, Evaluation, Non-operative Management, and Surgical Considerations. **University of California – Los Angeles Department of Neurosurgery Grand Rounds**. January 2021.
38. Neuroengineering Challenges in the Field of Spinal Deformity. **University of California – Los Angeles Department of Bioengineering, Course Lecture in Neuroengineering**. April 2021.
39. Surgical Anatomy of the Posterolateral, Retroperitoneal, and Retropleural approaches. **University of California – Los Angeles Department of Neurosurgery Grand Rounds**. September 2021.

NATIONAL:

40. Optimal Trajectory of the Occipital Condyle Screw. **Florida Neurosurgical Society (FNS) Annual Meeting**. Sarasota, FL. June 2011.
41. Optimal Trajectory for the Occipital Condyle Screw. **Cervical Spine Research Society (CSRS) Annual Meeting**. Scottsdale, AZ. December 2011.
42. The Effect of MIS LIF On Regional and Segmental Lordosis. **Florida Neurosurgical Society (FNS) Annual Meeting**. West Palm Beach, FL. August 2012.
43. An Algorithmic Approach to the Treatment of Lesional Epilepsy. **Southern Neurosurgical Society (SNS) Annual Meeting**. Sarasota, FL. February 2013.
44. The Role of Subtemporal Decompression in the Management of Slit Ventricle Syndrome in the Pediatric Population. **AANS / CNS Joint Section on Pediatric Neurological Surgery Annual Meeting**. Jacksonville, FL. Dec 2014
45. Femoral and Obturator Nerve Injury After Lateral Retroperitoneal Transpsoas Approach: Prognostic Indicators for Recovery. **Society of Lateral Access Surgery (SOLAS) Annual Meeting**. Carlsbad CA March 2016.

46. Low Profile Percutaneous Iliac Fixation. **Society for Minimally Invasive Spine Surgery (SMISS) Annual Meeting**. Las Vegas, NV. October 2016.
47. Incisional hernia after MIS Lateral Access Surgery. A Review of 303 Cases. **Society of Lateral Access Surgery (SOLAS) Annual Meeting**. Carlsbad CA. May 2017.
48. Assessment of Proximal Junctional Kyphosis and Shoulder Balance with Proximal Screws vs. Hooks in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. **Southern Neurosurgical Society (SNS) Annual Meeting**. Marco Island, FL. March 2018.
49. Causes of Early Readmission in AIS Surgery. **Southern Neurosurgical Society (SNS) Annual Meeting**. Marco Island, FL. March 2018.
50. Selective Amygdalectomy for the Treatment of “Paradoxical” Temporal Lobe Epilepsy: Technical Nuances and Case Series. **Southern Neurosurgical Society (SNS) Annual Meeting**. Marco Island, FL. March 2018.
51. Spinopelvic Alignment: Adult Dogma or Relevant to All? **Spine Art Young Surgeons Spine Summit**. Boston, MA. April 2019
52. If An Anterior Cervical Discectomy Fusion (ACDF) Has Not Healed at 6 Months, Will It Ever Heal and When?. **Cervical Spine Research Society (CSRS) Annual Meeting**. New York, NY. November 2019.
53. A Radiographic Analysis of Segmental Sagittal Correction Following Interbody Fusion Through an Antepsoas Approach. **Society for Minimally Invasive Spine Surgery (SMISS) Annual Meeting**. Las Vegas, NV. November 2019.
54. Pediatric High Grade Spondylolisthesis: When to Operate and Options for Constructs. **AANS / CNS Joint Spine Section Meeting**. San Diego, CA. July 2021.

#### INTERNATIONAL:

55. An Algorithmic Approach to Lesional Temporal Lobe Epilepsy. **1<sup>st</sup> International Congress NeuroCuba**. Havana, Cuba. April 2013.
56. Endoscopic Treatment of Craniopharyngiomas. **XIX Congreso Sociedad De Cirugia Neurologica De Occidente (19<sup>th</sup> Annual Western Neurosurgical Society Meeting)**. Isla Navidad, MX. July 2016.
57. Introduction to Pediatric Spinal Deformity. **Trinity School of Medicine Medical Student Lecture**. Arnos Vale, St. Vincent and the Grenadines. May 2017.

58. Introduction to Pediatric Spinal Deformity and Growth Modulation. **Zhaoqing People's First Hospital of China**. Zhaoqing, Guangdong province, China. September 2017.
59. Innovations in the Treatment of Pediatric Spinal Deformity. **Xi'an Aerospace General Hospital**. Xi'an, Shanxi province, China. September 2017.
60. Moya Moya Disease: Advances in the Genetic Understanding of Disease and Implications for Clinical Management. **1<sup>st</sup> Neurosurgical Microsurgery Training Course. 101 Hospital of Chinese People's Liberation Army**. Wuxi, Jiangsu province, China. September 2017.
61. Innovations in the Treatment of Pediatric Spinal Deformity. **101 Hospital of Chinese People's Liberation Army Combined Neurology, Neurosurgery, and Spinal Surgery Grand Rounds**. Wuxi, Jiangsu province, China. September 2017.
62. Introduction to Pediatric Spinal Deformity and Review of Relevant Anatomy. **University of the West Indies Department of Orthopedics Teaching Rounds**. Bridgetown, Barbados. December 2017.

#### **ADDITIONAL TRAINING AND COURSEWORK:**

1. Society for Neurological Surgeons (SNS) **Fundamentals of Neurosurgery Boot Camp**. Atlanta, GA. July 20-21, 2012.
2. Society for Neurological Surgeons (SNS) **Junior Resident Training Course**. St. Louis, MO. May 24-26 2013.
3. USF **Junior Resident Skull Base Surgical Anatomy Course**. July - August 2014.  
  
USF **Spinal Deformity Cadaveric Dissection Course**. Tampa, FL. October 28, 2014.
4. Society for Neurological Surgeons (SNS) **Research Updates in Neuroscience for Neurosurgeons (RUNN) Course**. Woods Hole, MA. October 25 - November 1, 2014.
5. Medtronic **Oblique Lateral Interbody Fusion (OLIF) Training Cadaver Workshop**. Tampa, FL. January 10, 2015.
6. Medtronic **Balloon Kyphoplasty Physician Training Course**. Tampa, FL. February 7, 2015.
7. Society for Neurological Surgeons (SNS) **Science of Neurosurgical Practice, Practical Biostatistics, and Clinical Trial Design Course for Residents**. Rosemont, IL. June 12-14, 2015.
8. Nuvasive **eXtreme Lateral Lumbar Interbody Fusion (XLIF) Training Course**. San Diego, CA. October 22 - 23, 2015

9. USF **Spinal Deformity Cadaveric Dissection Course**. Tampa, FL. August 21, 2015
10. Depuy Synthes Spine Future Leaders **Workshop Adult Spinal Deformity**. Tampa, FL. February 5 - 6, 2016
11. AO Spine **Complex Cervical Spine Surgery and Complication Management**. Las Vegas, NV. April 8, 2016
12. Swedish Neurological Institute **One Spine Resident and Fellow Spine Course**. Seattle, WA. August 12-14, 2016.
13. Zimmer Biomet **Spine Considerations from Cradle to Cane Course**. Philadelphia, PA. September 9-10, 2016.
14. Stryker **Winter Deformity Course**. Salt Lake City, UT March 2 - 3, 2017
15. **Pediatric Spinal Deformity “On the Cutting Edge VI” Course**. Miami, FL. March 31 - April 1, 2017.
16. Oregon Health Science University (OHSU) Brain Institute **Stereotactic and Functional Neurosurgery Hands-on Training Course**. Portland, OR. April 5 - 7, 2017.
17. American Association of Neurological Surgeons (AANS) / American Society for Radiation Oncology (ASTRO) **Stereotactic Radiosurgery Course**. Pittsburgh, PA June 9 - 11 2017
18. Depuy Synthes **Neuromuscular Spinal Deformity Course**. Wilmington, DE. October 12-13 2017.
19. USF **Fundamentals of Spinal Deformity: Cadaveric Dissection Course**. Course instructor and proctor. Tampa, FL. January 5, 2018.
20. Depuy Synthes **Adult Spinal Deformity Course**. West Palm Beach, FL. October 27, 2018.
21. Depuy Synthes **Spinal Deformity Peer to Peer Meeting**. Miami, FL. February 1-2, 2019.
22. Spine Art **Young Surgeons Spine Summit**. Boston, MA. April 5-6, 2019.
23. USF **Basic and Advanced Tenants of Minimally Invasive Surgery: Cadaveric Dissection Course**. Curriculum director, course instructor, and proctor. Tampa, FL. April 19, 2019.
24. USF **Principles of Open Spinal Deformity Treatment: Cadaveric Dissection Course**. Curriculum director, course instructor, and proctor. Tampa, FL. April 26, 2019.
25. Stryker **Med Ed Pre Fellowship Workshop**. Chicago, IL. May 17-18, 2019.

26. AOSpine **Controversies in Complex Spinal Surgery for Fellows**. Tampa, FL. September 12-14, 2019.
27. Medtronic **Skull to Sacrum Spinal Deformity Course**. New York, NY. September 10-11, 2019.
28. International Society for the Advancement of Spine Surgery. **Spine Interactive Educational Program (IEP) Fellows and Young Surgeons' Course**. Huntington Beach, CA. November 14-17, 2019.
29. **International Spinal Deformity Symposium**. New York City, NY. December 6-7, 2019.
30. **Base to Summit Spinal Deformity Meeting**. Vail, CO. January 23-26, 2020.
31. Depuy Synthes **Spinal Deformity Peer to Peer Meeting**. Charleston, SC. February 7-8, 2020.
32. Medicea **Los Angeles Pediatric Deformity Meeting**. Laguna Beach, CA. February 28-29, 2020.
33. Depuy Synthes **Spinal Deformity Peer to Peer Meeting**. Virtual. November 6, 2020.
34. CMA Wellness University. **Clinical Leadership in 2021 and Beyond: Well Self, Well Teams, Well Organization**. Virtual. November 2021.
35. AlphaTec **Prone Transpsoas Course**. Carlsbad, CA. February 19, 2021.
36. International Society for the Advancement of Spine Surgery. **Spine Interactive Educational Program (IEP) Fellows and Young Surgeons' Course**. San Diego, CA. November 19-20, 2021.