

Brooks R. Osburn, M.D.

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Florida Orthopaedic Institute

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Tampa, FL 33637
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Educational Background

University

University of Missouri-Kansas City
Combined BA/MD Program
Kansas City, Missouri
2013

Medical School

University of Missouri-Kansas City
Combined BA/MD Program
Doctor of Medicine
Kansas City, Missouri
2014

Fellowship

Complex and Minimally Invasive Spine
Surgery
Swedish Neuroscience Institute
Seattle, WA
2018

Spinal Deformity and Complex Spine
Surgery
University of South Florida
Tampa, FL
2019

Certifications

- NIHSS Certified
- ALS/BLS

Publications, Research and Presentations

- P. Krafft, MD; B. Osburn, MD; A. Vivas, MD; G. Rao, BS; P. Alikhani, MD. "Novel Titanium Cages for Minimally Invasive Lateral Lumbar Interbody Fusion: First Assessment of Subsidence." *Spine Surgery and Related Research*. 2020
- A. Jack, MD; B. Osburn, MD; Z. Tymchak, MD; W. Ramey, MD; R. Oskouian, MD; L. Jacques, MD; R. Hart, MD; J. Chapman, MD; S. Tubbs, MS, PhD, PA-C. "Foraminal Ligaments Tether Upper Cervical Nerve Roots: A Potential Cause of Postoperative C5 Palsy." *J Brachial Plexus Periph Nerve Inj.* (in press, 2020)
- A. Vivas, MD; S. Sivakanthan, MD; J. Paluzzi, MD; B. Osburn, MD; J. Sack, MD; M. Greenberg, MD; J. Uribe, MD; P. Alikhani, MD. "Minimally Invasive Lateral Corpectomy in the Treatment of Spinal Deformity Related to Osteomyelitis: Indications for Treatment and Clinical Outcomes." *Southern Neurosurgical Society Annual Meeting*. 2019
- J. Paluzzi, MD; A. Vivas, MD; C.-P. Yen, MD; J. Janeszewski, MD; K. Bach, MD; B. Osburn, MD; M. Greenberg, MD; D. Smith, MD; J. Uribe, MD. "The Role of Minimally Invasive Anterior Column Reconstruction in Maintaining Sagittal Balance." *Society for Minimally Invasive Spine Surgery Annual Meeting*. 2017
- E. Pressman, BS; B. Osburn, MD; P. Krafft, MD; A. Vivas, MD; V. Ljubimov, MD; L. Chen, PhD; R. Mhaskar, PhD; P. Alikhani, MD. "Rhabdomyolysis After Spinal Fusion Surgery: Management Schema and Prevention of a Catastrophic Complication."
- E. Pressman, MD; P. McBride, MD; J. Kumar, MD, MBA; B. Osburn, MD; P. Alikhani, MD. "The Prone Transposas Technique: A Technical Note."
- B. Osburn, MD; M. Hassan Noureldine, MD; P. Krafft, MD; P. Alikhani, MD. "Sacroiliac Screw Utilization in a Modified Bohlman Technique for the Treatment of High-grade Spondylolisthesis"
- N. Shimony, MD, C. Louie, MD; D. Barrow, MD; B. Osburn, MD; M. Hassan Noureldine, MD; G. Tuite, MD; C. Carey, MD; G. Jallo, MD; L. Rodriguez, MD. "Pediatric Disc Disease: Evaluation for Risk Factors and Treatment Success Related Factors."
- N. Shimony, MD; B. Osburn, MD; S. Hartnett, MD; M. Groves, MD; G. Jallo, MD. Rare spinal cord tumors.
- In *Spinal Cord Tumors* (pp. 397-431). Springer International Publishing. 2020
- N. Shimony, MD; S. Hartnett, MD; B. Osburn, MD; M. Groves, MD; G. Jallo, MD. Malignant Intramedullary
- *Spinal Cord Tumors*. In *Spinal Cord Tumors* (pp. 337-364). Springer International Publishing. 2020
- N. Shimony, MD; B. Osburn, MD; G. Jallo, MD. Pediatric Intracranial Hypertension: Part I Diagnosis and
- General Management; Part II Key points for Different Etiologies. *Pediatrics in Review*. 2019
- N. Shimony, B. Osburn, G. Jallo. "Procedure 88- Surgical Management of Spinal Dural Arteriovenous Fistulas."
- *Core Techniques in Operative Neurosurgery*, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 94- Exploration for Injury to an Infant's Brachial Plexus."
- *Core Techniques in Operative Neurosurgery*, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 95— Ulnar Nerve Release." *Core Techniques in Operative Neurosurgery*, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 96- Open Carpal Tunnel Release." *Core Techniques in Operative Neurosurgery*, Elsevier. 2020

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Publications, Research and Presentations (cont.)

- N. Shimony, B. Osburn, G. Jallo. "Procedure 99- Intramedullary Spinal Cord Tumor." Core Techniques in Operative Neurosurgery, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Medulloblastoma." Background, Pathophysiology, Epidemiology, emedicine. medscape.com/article/1181219. 2019
- N. Shimony, MD; B. Osburn, MD; S. Hartnett, MD; M. Groves, MD; G. Jallo, MD. Rare spinal cord tumors. In Spinal Cord Tumors (pp. 397-431). Springer International Publishing. 2020
- N. Shimony, MD; S. Hartnett, MD; B. Osburn, MD; M. Groves, MD; G. Jallo, MD Malignant Intramedullary Spinal Cord Tumors. In Spinal Cord Tumors (pp. 337-364). Springer International Publishing. 2020
- N. Shimony, MD; B. Osburn, MD; G. Jallo, MD. Pediatric Intracranial Hypertension: Part I Diagnosis and General Management; Part II Key points for Different Etiologies. Pediatrics in Review. 2019
- N. Shimony, B. Osburn, G. Jallo. "Procedure 88- Surgical Management of Spinal Dural Arteriovenous Fistulas." Core Techniques in Operative Neurosurgery, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 94- Exploration for Injury to an Infant's Brachial Plexus." Core Techniques in Operative Neurosurgery, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 95— Ulnar Nerve Release." Core Techniques in Operative Neurosurgery, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 96- Open Carpal Tunnel Release." Core Techniques in Operative Neurosurgery, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Procedure 99- Intramedullary Spinal Cord Tumor." Core Techniques in Operative Neurosurgery, Elsevier. 2020
- N. Shimony, B. Osburn, G. Jallo. "Medulloblastoma." Background, Pathophysiology, Epidemiology, emedicine. medscape.com/article/1181219. 2019
- Oral Presentations
- Adolescent Idiopathic Scoliosis-Classification. February 2019. Grand Rounds Presentation. University of South Florida, Department of Neurological Surgery, Tampa, FL.
- Osteoporosis in Spine Surgery. February 2018. Grand Rounds Presentation—Letters to Atticus. University of South Florida, Department of Neurological Surgery, Tampa, FL.
- The Role of Minimally Invasive Anterior Column Reconstruction in Maintaining Sagittal Balance. September 2017. Society of Minimally Invasive Spine Surgery, Las Vegas, NV.
- Hand-eye coordination/Motor Memory. April 2017. Grand Rounds Presentation—Letters to Atticus. University of South Florida, Department of Neurological Surgery, Tampa, FL.
- Anti-coagulation in Traumatic Brain Injury. April 2016. Grand Rounds Presentation. University of South Florida, Department of Neurological Surgery, Tampa, FL.
- Blunt Cerebrovascular Injury. October 2015. Combined Trauma/Neurosurgery Grand Rounds Presentation. University of South Florida, Department of Neurological Surgery, Tampa, FL
- Neuromyelitis Optica: A Case Presentation of an experience at University of South Florida. June 28, 2013. Sub-internship Grand Rounds Presentation, University of South Florida, Department of Neurological Surgery, Tampa, FL.

Professional Associations

- American Association of Neurological Surgeons
- Congress of Neurological Surgeons
- North American Spine Society
- AO Spine

Mission Work

- The Green Horn Neurosurgery Foundation
 - Bijie, China (September 2018)