

PUBLICATIONS

2025

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PRESENTATIONS

2025

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Cools M, Yoon E. Intraoperative EEG for Corpus Callosotomy [Poster presentation]. The 48th Annual Meeting for The American Society for Pediatric Neurosurgery (2025, January), Aruba, South America.

Beladi R, Alsalahi A, Anton G, Dragonette J, Lucke H, Turnbull J, Claus C, Richards B, Tong D, Soo T. *Fusion and Patient-reported Outcomes after Navigation-guided Decorticated Direct Arthrodesis vs. Non-Navigated Non-Decorticated Arthrodesis in Minimally Invasive Sacroiliac Joint Fusion: A Longitudinal Comparative Cohort Study* [Poster presentation]. Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, (2025, February), Tampa, FL.

Patel D, Yoon E, Carr D. Iatrogenic Spinal Cord Herniation: Systematic Review of a Rare Postoperative Complication [Poster presentation]. The 90th Annual Henry Ford Providence Research Day (2025, April), Southfield, MI.

Caskey J, Dakhel S, Khatib A, Turnbull J, Andrews G, Domaszewski P, Ragab S, Kelkar P. *Comparison of primary and adjuvant stereotactic radiosurgery for treatment of cavernous sinus meningiomas: a meta-analysis*. North American Skull Base Society 34th Annual Meeting and 9th World Congress of the World Federation of Skull Base Societies Meeting [Oral presentation] (2025, February), New Orleans, LA; The 90th Henry Ford Providence Research Day [Poster presentation] (2025, April), Southfield, MI.

Alexander H, Griep D, Tong D, Bunjaj A, Lucke H, Heitkotter H, Carr D. *Inpatient Opioid Usage and Perioperative Outcomes of Robot-assisted Single-level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparative Cohort Study* [Poster presentation]. The American Association of Neurological Surgeons Annual Meeting (2025, April), Boston, MA.

Griep D, Alexander H, Tong D, Bunjaj A, Griep AT, Heather Lucke, MS, Heitkotter H, Carr D. *Inpatient Opioid Usage and Perioperative Outcomes of Robot-assisted Single-level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparative Cohort Study* [Poster presentation]. The 90th Henry Ford Providence Research Day, (2025, April), Southfield, MI.

Turnbull J, Caskey J, Alsalahi A, Griep D, Desai S, Richards B, Kelkar P, Claus CF, Griauzde J. *Comparison of Clinical and Radiological Outcomes Using Solely Particles Versus Particles with Coils in Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Longitudinal Comparative Cohort Study* [Poster presentation]. The 90th Henry Ford Providence Research Day, (2025, April), Southfield, MI.

Dragonette J, Kauffman A, Lucke H, Heitkotter H, Kelkar P, Bono P, Houseman C, Richards B. *The Impacts of Patient Frailty on Clinical Outcomes Following Minimally Invasive Lumbar Fusion: A Retrospective Longitudinal Analysis* [Oral presentation]. The 90th Henry Ford Providence Research Day, (2025, April), Southfield, MI.

2024

Griep D, McCabe R, Tong D, Sarcar B, Desai S, Knickerbocker K, Bono P, Kelkar P, Houseman C, Carr D, Richards B, Soo T. *Does Pedicle Screw Length Impact Fusion and Perioperative Complications in 1-level Minimally Invasive Lumbar Fusion: A Comparative Cohort Study* [Poster presentation]. The 2024 American Association of Neurological Surgeons Annual Meeting – Spine Summit, (2024, February), Las Vegas, NV.

Griep D, Fluss R, Matthew V, Miller AT, Moawad S, Rahme R, Shabsigh R, Sorek A. *Implementation of an evidence-based infection prevention protocol for spinal fusion surgery: a single-institution, two-surgeon experience* [Poster Presentation]. The 2024 American Association of Neurological Surgeons Annual Meeting – Spine Summit, (2024, February), Las Vegas, NV.

Alsalahi A, Dragonette J, Tong D, Jasinski J, Soo T, Kelkar P, Carr D, Bono P, Richards B. *Does Laminectomy Width Impact Postoperative C5 Palsy after Posterior Cervical Decompression Fusion for Cervical Spondylotic Myelopathy: A Prospective Comparative Cohort Study* [Oral presentation]. The 2024 American Association of Neurological Surgeons Annual Meeting – Spine Summit, (2024, February), Las Vegas, NV; The 89th Ascension Providence Research Day, (2024, April), Southfield, MI.

Beladi R, Anton G, Tong D, Lucke H, Bono P, Kelkar P, Carr D, Richards B, Houseman C, Soo T. *Does Sacral Fixation in Minimally Invasive Lower Lumbar Fusion Predispose Patients to Subsequent Sacroiliac Joint Fusion? A Comparative Cohort Study*. The 2024 American Association of Neurological Surgeons Annual Meeting – Spine Summit [Oral presentation], (2024, February), Las Vegas, NV; The 2024 Congress of Neurological Surgeons Annual Meeting [Oral presentation], (2024, September), Houston, TX; The 89th Ascension Providence Research Day [Poster presentation], (2024, April), Southfield, MI.

Alsalahi A, Anton G, Tong D, Dragonette J, Alexander H, Richards B, Kelkar P, Houseman C, Carr D, Soo T. *Fusion and Patient-reported Outcomes after Navigation-guided Decorticated Direct Arthrodesis vs. Non-Decorticated Arthrodesis in Minimally Invasive Sacroiliac Joint Fusion: A Comparative Cohort Study* [Poster presentation, 1st place]. The 89th Ascension Providence Research Day, (2024, April), Southfield, MI.

Dragonette J, Alsalahi A, Anton G, Tong D, Richards B, Kelkar P, Houseman C, Carr D, Soo T. *Fusion and Patient-reported Outcomes after Navigation-guided Decorticated Direct Arthrodesis vs. Non-Decorticated Arthrodesis in Minimally Invasive Sacroiliac Joint Fusion: A Comparative Cohort Study* [Poster presentation, Kuntz scholar]. The 2024 American Association of Neurological Surgeons Annual Meeting – Spine Summit, (2024, February), Las Vegas, NV.

Dragonette J, Caskey J, Desai S, Tong D, Kaufmann A, Alexander H, Bono P, Carr D, Richards B, Kelkar P, Houseman C, Soo T. *Effect of Lordotic vs. Non-lordotic Cage on Fusion, Sagittal Parameters, and Patient-reported Outcomes in Anterior Cervical Discectomy and Fusion: A Prospective Comparative Cohort Study*. The 2024 American Association of Neurological Surgeons Annual Meeting – Spine Summit [Poster presentation] (2024, February), Las Vegas, NV; The 2024 Michigan Association of Neurological Surgeons Annual Meeting [Oral presentation] (2024, August), Boyne Falls, MI; The 89th Ascension Providence Research Day [Poster presentation] (2024, April), Southfield, MI.

Griep D, Alexander H, Bunjaj A, Alsalahi A, Dragonette J, Turnbull J, Sarcar B, Caskey J, Desai S, Richards B, Houseman C, Kelkar P, Carr D. *Irradiation Safety, Operating Room Efficiency, Surgical Complications and Patient-Reported Outcomes Using Robotic Spine Surgery: A Comparative Cohort Study*. The 2024 Congress of Neurological Surgeons Annual Meeting [Poster presentation] (2024, September), Houston, TX; The 2024 Michigan Association of Neurological Surgeons Annual Meeting [Oral presentation] (2024, August), Boyne Falls, MI; The 89th Ascension Providence Research Day [Poster presentation] (2024, April), Southfield, MI.

Beladi R, Alsalahi A, Anton G, Tong D, Lucke H, Knickerbocker K, Bono P, Kelkar P, Carr D, Richards B, Houseman C, Soo T. *Does Spinopelvic Imbalance after Lower Lumbar Fusion Predispose Patients to Subsequent Sacroiliac Joint Fusions? A Case-Control Study* [Oral presentation]. The XXth Henry Ford Providence Research Day, (2024, April), Southfield, MI.

Yoon E, Melhem M, Brennan M, Kim E, Berry Y, Cools M, Arko L. *Regional and Socioeconomic Factors Impacting Pediatric Victims of Cranial Gunshot Wounds: Analysis of the Kids' Inpatient Database (KID)* [Oral presentation]. The 89th Ascension Providence Research Day, (2024, April), Southfield, MI; The American Association of Neurological Surgeons Annual Meeting (2024, May), Chicago, IL; The Wayne State University Annual Medical Student Research Symposium, (2024, February), Detroit, MI.

Caskey J, Turnbull J, Alsalahi A, Richards B, Kelkar P, Griauzde J. *Comparing Clinical and Radiological Outcomes Using Solely Particles Versus Particles with Coils in Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Longitudinal Comparative Cohort Study*. The 2024 Congress of Neurological Surgeons Annual Meeting [Poster presentation] (2024, September), Houston, TX; The 2024 Michigan Association of Neurological Surgeons Annual Meeting [Oral presentation, 2nd place] (2024, August), Boyne Falls, MI.

Griepp D, Alexander H, Bunjaj A, Alsalahi A, Dragonette J, Turnbull J, Sarcar B, Caskey J, Desai S, Richards B, Houseman C, Kelkar P, Carr D. *Aberrant nerve root traversing lumbar pedicle foramen* [Poster presentation, virtual]. The 2024 Congress of Neurological Surgeons Annual Meeting (2024, September), Houston, TX.

Patel D, Yoon E, Carr D. Iatrogenic Spinal Cord Herniation: Systematic Review of a Rare Postoperative Complication [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2024, September), Houston, TX.

Yoon EJ, Anton G, Tong D, Knickerbocker K, Alsalahi A, Houseman C, Carr D, Bono P, Kelkar P, Richards B, Soo T. *Reduction in Cost and Length of Stay after Elective Spine Surgery with Implementation of An Enhanced Recovery after Surgery Pathway: A Quality Improvement Study* [Oral presentation]. The American College of Osteopathic Surgeons Annual Clinical Assembly (2024, September), Orlando, FL.

Yoon E, Dakhel S, Whelan R. *Minimally Invasive Treatment of a Hemorrhagic Spinal Arachnoid Cyst in A Two-Year-Old Child: A Case Report* [Poster presentation]. 2024 Joint Pediatric Section Annual Meeting – Congress of Neurological Surgeons (2024, December), New York City, New York.

2023

Alexander H, Claus C, Tong D, McCabe R, Garmo L, Gabrail J, Kelkar P, Griauzde J, Soo T, Richards B. Safety and Functional Outcomes with Early Resumption of Antiplatelet Therapy Following Mechanical Thrombectomy in Emergent Large Vessel Occlusion Strokes: A Single Institution Registry Study. *Journal of Neurointerventional Surgery* Jul 2023, 15 (Supl 1) A1-A2; DOI: 10.1136/jnis-2023-SNIS.2

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Alsalahi A, Tong D, Soo T, Carr C, Bono P, Kelkar P, Richards B. Laminectomy width and postoperative C5 palsy after posterior cervical decompression fusion for cervical spondylotic myelopathy: a comparative cohort study. *The Spine Journal*, 23 (9): supplement. Sept. 2023, pages S167-S168. P. 124. DOI: 10.1016/j.spinee.2023.06.349

Anton G, Yoon E, Claus C, Sarcar B, Carr D, Houseman C, Kelkar P, Bono P, Richards B, Tong D, Soo T. *Outcomes in Patients with Non-Segmental Versus Segmental Instrumentation in Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Retrospective Cohort Study* [Poster Presentation]. The 2023 American Association of Neurological Surgeons Annual Meeting – Spine Summit, (2023, March), Miami Beach, FL.

Anton G, Yoon E, Claus C, Sarcar B, Carr D, Houseman C, Kelkar P, Bono P, Richards B, Tong D, Alsalahi A, Soo T. *Outcomes in Patients with Non-Segmental Versus Segmental Instrumentation in Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Longitudinal Comparative Cohort Study*. The XXth Ascension Providence Research Day [Poster presentation, 1st place], (2023, April), Southfield, MI; The 45th Southeast Michigan Center for Medical Education Annual Research Forum [Poster presentation, 1st place, Dr. Donald Dawson Silver Medallion], (2023, May), Dearborn, MI; The 2023 Michigan Association of Neurological Surgeons Annual Meeting [Oral presentation], (2023, August), Mackinac Island, MI.

Griepp DW, Lawless MH, Tong D, Anton GM, Jasinski J, Smith A, Elagamy N, Houseman CM, Carr DA, Richards BF, Soo T. *Cervical Alignment and Patient-Reported Outcomes in Posterior Cervical Fusion: A Longitudinal Comparative Cohort Study with a 2-year Follow-up* [Poster presentation]. The 2023 American Association of Neurological Surgeons Annual Meeting – Spine Summit, (2023, March), Miami Beach, FL; The 88th Ascension Providence Research Day [Poster presentation], (2023, April), Southfield, MI.

Yoon EJ, Deshpande N, Tong D, Alsalahi A, Turnbull J, Kelkar PS, Carr D, Houseman C, Bono P, Richards B, Soo T. *Accuracy of Surgical Plans Made via Telemedicine Versus In-Person Encounters for Spinal Surgery: A Comparative Retrospective-Prospective Cohort Study*. The 88th Ascension Providence Research Day [Poster presentation], (2023, April), Southfield, MI; The 2023 American Association of Neurological Surgeons Annual Meeting – Spine Summit [Oral presentation], (2023, March), Miami Beach, FL.

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Jasinski J, Tong D, Claus C, Lytle E, Bahoura M, Houseman CM, Bono P, Soo T. Preventing Postoperative Urinary Retention (POUR) in Patients Undergoing Elective Lumbar Surgery: A Quality Improvement Project, Abstracts of the 2019 Annual Meeting of the AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. *Journal of Neurosurgery: Spine*. 2019;30(3):1-135. DOI:10.3171/2019.3.SPINE.DSPNabstracts

Rana Z, Lin D, Dawley T, Schulder M, Goenka A. *Outcomes after Gamma Knife Radiosurgery for Intracranial Meningiomas* [Poster presentation]. The American Society for Radiation Oncology Annual Meeting (2019, September), Chicago, IL.

Dawley T, Rana Z, Goenka A, Schulder M. *Framed versus Masked Stereotactic Radiosurgery: A Patient Experience Comparison* [Poster presentation]. The American Society for Radiation Oncology Annual Meeting

(2019, September), Chicago, IL; The Congress of Neurological Surgeons Annual Meeting (2019, October), San Francisco, CA; Frontiers in Radiosurgery (2019, October), Milan, Italy.

Lawless M. *Impact of cervical interbody device height on rate of fusion and clinical outcomes: a retrospective cohort study* [Poster presentation]. Congress of the European Association of Neurosurgical Societies (2019, September), Dublin, Ireland.

Carr DA. *Enhanced Peri-operative Care decreases Cost after Major Spinal Surgery* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2019, October), San Francisco, CA.

Kwan K, Dawley T, Schneider J, Arapi O, Gill G, Jakubovic R, Goenka A, Schulder M. *First Report on Frameless Mask Optimization Using the Leksell Gamma Knife Icon* [Poster presentation]. Frontiers in Radiosurgery (2019, October), Milan, Italy.

2018

Rajamand S, Dawley T, Tong D, Bahoura M, Soo T, Richards B. *Institutional Rate of Symptomatic Cerebral Vasospasm (sVS) and Delayed Cerebral Ischemia (DCI) Post Acute Aneurysmal Subarachnoid Hemorrhage (aSAH): Feasibility Study of 112 Consecutive Patients* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2018, October), Houston, TX.

Claus C, Krieger S, Tong T, Rajamand S, Soo T, Houseman CM. *Compliance Rates for Cervical Collar Use Following Cervical Spinal Fusion: A Prospective Patient Survey and a feasibility study*. The AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves 2018 annual meeting [Oral presentation] (2018, March), Orlando, FL; The 83rd Annual Ascension Providence Hospital Research Day [Poster presentation, 2nd place] (2018, April), Southfield, MI.

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Slavnic D, Bahoura M, Rajamand S, Tong D, Soo T. *Effect of Spine Class on Length of Stay After Minimally Invasive Lumbar Fusion: Prospective Longitudinal Cohort Study* [Poster presentation]. The AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves 2018 annual meeting (2018, March), Orlando, FL; The 83rd Annual Ascension Providence Hospital Research Day (2018, April), Southfield, MI.

Lytle EJ, Jasinski J, Tong D, Bahoura M, Houseman CM, Bono P, Soo T. *Postoperative Urinary Retention after Elective Lumbar Spinal Surgery: A Quality Improvement Project* [Oral presentation]. The 83rd Annual Ascension Providence Hospital Research Day (2018, April), Southfield, MI; 40th Annual SEMCME Research Forum (2018, May), Dearborn MI.

Lawless M, Paik G, Tong D, Soo T, Lopez PP. *Risk factors for Dysphagia Following Cervical Fusion Procedures in a Trauma Population* [Poster presentation]. The 83rd Annual Ascension Providence Hospital Research Day [Poster presentation, 2nd place] (2018, April), Southfield, MI; The European Association of Neurosurgical Societies 2018 Conference (2018, October), Brussels, Belgium.

2017

Lytle E, Tong D, Houseman C, Soo T. *Minimally Effective Dose of Bone Morphogenetic Protein (BMP) in Minimally Invasive (MIS) Lumbar Interbody Fusions: 757 Patients in a Dose-finding Statistical Modeling Cohort*

Study [Oral presentation, Charles Kuntz Scholar Award for Young Neurosurgeon]. The AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves Annual Meeting (2017, March), Las Vegas, NV; The 82nd Annual Ascension Providence Hospital Research Day (2017, April), Southfield, MI; The Congress of Neurological Surgeons Annual Meeting (2017, October), Boston MA.

Claus C, Tong D, Soo T, Richards B. *Treatment of Compression Fracture of Previously Instrumented Lumbar Vertebral Body Using Balloon Kyphoplasty* [Poster presentation]. The 82nd Annual Ascension Providence Hospital Research Day (2017, April), Southfield, MI.

Dawley T, Tong D, Nofar J, Barrett R, Richards B, Houseman C, Soo T. *The Ottawa Surgical Competency Operating Room Evaluation (O-SCORE) and its application in a Neurosurgery Residency Program: A 413-observation Multi-center Validation Study* [Poster presentation]. The American Association of Neurological Surgeons Annual Scientific Meeting (2017, April), Los Angeles CA.

Carr D, Tong D, Houseman C. *Epithelioid Hemangioendothelioma (EHE) of Thoracic Spine: Debulking and Reconstruction with PMMA* [Poster presentation]. The American Association of Neurological Surgeons Annual Scientific Meeting (2017, April), Los Angeles CA; The 82nd Annual Ascension Providence Hospital Research Day (2017, April), Southfield, MI.

To C, Kelkar P, Richards B, Fessler R. *Effect of Annual Hospital Procedural Volume on Patient Outcomes After Mechanical Thrombectomy in Acute Ischemic Stroke Patients: An Analysis of 13,502 Procedures* [Oral presentation]. The Congress of Neurological Surgeons Annual Meeting (2016, September), San Diego, CA.

To CY, Fessler, R. *Trends and Predictors of Utilization of Endovascular Coiling vs Microsurgical Clipping of Ruptured Intracranial Aneurysms* [Poster presentation]. The Society of Vascular and Interventional Neurology 2016 Annual Meeting (2016, November), Brooklyn NY; The American Academy of Neurology Annual Meeting (2017, April), Boston, MA.

Slavnic D, Cook R, Tong D, Houseman C, Barrett R, Soo T. *Bone Morphogenetic Protein in the Repair of Recurrent CSF Leak after Transsphenoidal Pituitary Tumor Resection* [Poster presentation]. The American Association of Neurological Surgeons Annual Scientific Meeting (2017, April), Los Angeles CA; The 82nd Annual Ascension Providence Hospital Research Day; 2nd place (2017, April), Southfield, MI.

Thomas J, D'Andrea K, Dawley, T, Tong D, Barrett R, Soo T. *Safety of Systemic Heparinization for Acute Venous Thromboembolism (VTE) following Spine Surgery: A Multi-Center Experience* [Poster presentation]. The American Association of Neurological Surgeons Annual Scientific Meeting (2017, April), Los Angeles CA.

Thomas J, D'Andrea K, Dawley, T, Tong D, Soo T. *Preliminary data on Postoperative Subcutaneous Heparin (SQH) for Venous Thrombotic Embolism (VTE) prophylaxis after Spinal Surgery: A Multi-Center Matched Case Control Study* [Poster presentation]. The American Association of Neurological Surgeons Annual Scientific Meeting (2017, April), Los Angeles CA; The 82nd Annual Ascension Providence Hospital Research Day (2017, April), Southfield, MI.

Thomas J, D'Andrea K, Dawley, T, Tong D, Soo T. *Safety and Efficacy of Postoperative Heparin for Venous Thrombotic Embolism (VTE) after Spinal Surgery: Preliminary Data in a Multi-Center Logistic Regression Modeling Cohort Study* [Poster presentation]. The American Association of Neurological Surgeons Annual Scientific Meeting (2017, April), Los Angeles CA.

Dawley T, Thomas J, Tong D, Soo T. *Oswestry Disability Index (ODI), Safety and Fusion Rates in Minimally Invasive Transforaminal Lumbar Interbody Fusion (MITLIF): Multi-Center Prospective Longitudinal Cohort Study*. The AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves 2017 Annual Meeting [Oral presentation] (2017, March), Las Vegas, NV; The American Association of Neurological Surgeons Annual Scientific Meeting [Poster presentation] (2017, April), Los Angeles CA; The 82nd Annual Ascension Providence Hospital Research Day (2017, April), Southfield, MI.

Rajamand S, Tong D, Soo T. *Aesthetic Comparison Between Subcuticular Suture and Staple Closure of Anterior Cervical Spine (ACS) Incision Scars: A Prospective Controlled Single-blinded Clinical Trial* [Oral presentation]. The 82nd Annual Ascension Providence Hospital Research Day (2017, April), Southfield, MI.

Carr D, DO, Chakko M, MD, Tong D, MD, Bahoura M, BA, Houseman C, DO, Soo T, MD. *Is Cage Size a significant Predictor of Fusion and Quality of Life (QoL) in Single Level Anterior Cervical Decompression and Fusion (ACDF): A Longitudinal Cohort Statistical Modeling Study - Preliminary Result* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2017, October), Boston MA.

Thomas J, Hayward D, Fessler R. *Arterial Dissection in Trauma Patients in the Absence of Traumatic Brain Injury and Cervical Spine Trauma: A Population-Based Study of the Detroit Metropolitan Area from 2006-2014* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2017, October), Boston MA.

Fessler R, Hayward D, Thomas J, Rock K, Buck J. *Risk Factors for Recurrent Neurotrauma: A Population Based Study in Southeast Michigan* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2017, October), Boston MA.

Dawley T. *Midline Durotomy and C1 laminectomy for Large Chiari Decompressions: A Technical Nuance* [Poster presentation]. The International Society for Pediatric Neurosurgery Annual Meeting (2017, October) Denver CO.

Carr D, Barrett R. *Kyphoplasty Patient-centered Outcomes via Questionnaire* [Oral presentation, 3rd place Neurosurgery Resident Annual Paper Award]. The AOA Neurosurgery Meeting - Annual Neurosurgery Discipline Paper Contest ACOS Annual Discipline Lectures (2017, October), Boston, MA

Fessler R, Thomas J. *Risk Factors for stroke in non-cranial trauma patients: a population-based study in metro Detroit 2006-2014* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2017, October), Boston MA.

Rajamand S, Kakos D, Tong D, Soo T. *Comparison Between Subcuticular Suture and Staple Closure of Anterior Cervical Spine (ACS) Incision Scars: A Prospective Controlled Single Blinded Clinical Trial* [Poster presentation]. The American College of Surgeons: Clinical Congress Conference (2017, October), San Diego, CA.

2016

Jani VB, To CY, Patel A, Kelkar PS, Richards B, Fessler RD. *Effect of Annual Hospital Procedure Volume on Outcomes After Mechanical Thrombectomy in Acute Ischemic Stroke Patients: An Analysis of 13 502 Procedures* [Poster presentation]. The Congress of Neurological Surgeons Annual meeting (2016, September), San Diego, CA.

To C, Zinstmaster S, Chehab M, Merlington A, Fessler R, Kelkar P, Richards B, Wilseck J, Qahwash O. *Immediate Femoral Arteriotomy Closure after Thrombolytics, Is it Safe?* [Poster presentation]. The American Association of Neurological Surgeons Annual Meeting (2016, April), Chicago, IL; The 81st Annual Ascension Providence Hospital Research Day (2016, April), 3rd place. Southfield, MI.

Thomas J, To C, Richards B. *Safety and Efficacy of Intravenous Thrombolysis in Early Acute Ischemic Stroke Patients with Matched Defects vs. Mis-Matched Defects on CT Perfusion Scan* [Poster presentation]. The 81st Annual Ascension Providence Hospital Research Day (2016, April), 1st place. Southfield, MI; The Southeast Michigan Center for Medical Education (SEMCME) Annual Research Forum (2016, May), Rochester, MI.

To C. *Acquired Spinal Arteriovenous Fistula Presenting as Brown Sequard Syndrome: A Case Report and Endovascular Treatment Outcome* [Poster presentation]. Presented at the American Academy of Neurology Annual Meeting (2016, April), Vancouver BC, Canada.

Cook, R, Mehra R, Tong D, Soo T. *Fusion Rate, Dysphagia and Patient Satisfaction for 4 level Anterior Cervical Decompression and Fusion*. The Michigan Association of Neurological Surgeons Annual Meeting [Poster presentation] (2016, May), Bay Harbor, MI; The AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves 2017 Annual Meeting [Oral presentation] (2017, March), Las Vegas, NV; The 81st Annual

Ascension Providence Hospital Research Day [Oral presentation] (2017, April), Southfield, MI; The Congress of Neurological Surgeons Annual Meeting [Poster presentation] (2017, October), Boston MA.

Lytle E, Tong D, Houseman C, Soo T. *Preliminary data on the effect of Bone Morphogenetic Protein of MIS Lumbar Interbody fusions - a dose-finding statistical modeling cohort study* [Poster presentation]. The Michigan Association of Neurological Surgeons Annual Meeting (2016, May), Bay Harbor, MI.

To C, Jani V, Slavnic D, Richards B, Kelkar P, Fessler R. *Endovascular Vessel Reconstruction of Dissecting Posterior Circulation Pseudoaneurysms using Pipeline Embolization Device* [Poster presentation]. The Congress of Neurological Surgeons Annual Meeting (2016, September), San Diego, CA.

2015

Sandquist, L, Cook, R, Mehra, R. *Four-level Anterior cervical discectomy and fusion - patient satisfaction* [Oral presentation]. 31st Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2015, March), Phoenix, AZ.

Thomas J, To C. *Safety and Efficacy of Intravenous Thrombolysis in Early Acute Ischemic Stroke Patients with Matched Defects versus Mis-matched Defects on CT Perfusion Scan* [Poster presentation]. The Asian Australasian Congress of Neurological Surgeons Annual World Meeting (2015, April), Jeju Island, South Korea.

To C. *Mechanical Thrombectomy in Patients Above 80 - Evidence Based Practice and Decision Making* [Oral presentation]. The Asian Australasian Congress of Neurological Surgeons Annual World Meeting (2015, April), Jeju Island, South Korea.

To C, Rajamand S, Mehra R, Falatko S, Richards B, Qahwash O, Fessler RD. *Outcome of Mechanical Thrombectomy in The Elderly for The Treatment of Acute Ischemic Stroke - The Real-World Experience* [Oral presentation]. The 80th Annual Ascension Providence Hospital Research Day (2015, April), Southfield, MI; The American Association of Neurological Surgeons Annual Meeting (2015, May), Washington DC.

To C. *Desmoplastic Infantile Ganglioglioma with Associated Giant Aneurysm—Case Report* [Poster presentation]. The Asian Australasian Congress of Neurological Surgeons Annual World Meeting (2015, April), Jeju Island, South Korea.

To C, Rajamand S, Mehra R, Richards B, Fessler R. *The Role of Physiologic Imaging in Patient Selection for Acute Ischemic Strokes in the Very Elderly* [Poster presentation]. The Congress of Neurological Surgeons Annual meeting (2015, September), New Orleans, LA.

2014

Setty P, D'Andrea KP, Stucken EZ, Pieper DR. *Purely Endoscopic Resection of Cerebellopontine Angle Meningiomas* [Oral presentation]. The 24th Annual North American Skull Base Society Meeting (2014, February), San Diego, CA

Setty P, D'Andrea KP, Stucken EZ, Pieper DR. *Purely Endoscopic Management of Vestibular Schwannomas* [Oral presentation]. The 24th Annual North American Skull Base Society Meeting (2014, February), San Diego, CA.

Carr D, Falatko S, Kanack J, Sobilo A, Richards BF, Claybrooks R, Bono P, Soo TM, Barrett R. *Kyphoplasty Patient-centered Outcomes via Telephone Survey* [Poster presentation]. The 79th Annual Ascension Providence Hospital Research Day (2014, April), Southfield, MI; American College of Osteopathic Surgeons Annual Clinical Assembly, (2014, September), Boston, MA.

Mehra R. *Thoracic and Lumbar Interbody Fusion with Antibiotic-Impregnated Polymethylmethacrylate for the Treatment of Discitis and Vertebral Osteomyelitis* [Poster presentation]. Annual Clinical Assembly of Osteopathic Surgeons Neurological Surgery Division (2014, September), Boston, MA.

Mehra RN, To CY, Qahwash O, Richards BF, Fessler R. Intravenous Thrombolysis in Acute Ischemic Stroke Patients with Negative CT Perfusion-A Case Series [Poster presentation]. Annual Clinical Assembly of Osteopathic Surgeons Neurological Surgery Division (2014, September), Boston, MA.

Thomas J, Mehra R. *Four-Level Minimally Invasive Trans-Foraminal Lumbar Interbody Fusion: A prospective review on fusion rates and patient outcomes* [Poster presentation]. 30th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2014, March), Orlando, FL; The 79th Annual Ascension Providence Hospital Research Day (2014, April), Southfield, MI.

Faltko SR, Pradeep S, Karami K, Carr D, Soo T. *START Study: Sacroiliac Joint arthrodesis: A retrospective outcomes study of the first 56 minimally invasive fusions* [Poster presentation]. 30th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2014, March), Orlando, FL.

D'Andrea K, Dreyer J. *Utility of Preoperative MRI Co-Registered with Intraoperative CT scan for the Resection of Complex Tumors of the Spine* [Poster presentation]. The North American Spine Society Summer Spine Meeting, (2014, July), Amelia Island, FL.

Dawley T. *Where Lesions Collide: The Sella Turcica* [Poster presentation]. The 79th Annual Ascension Providence Hospital Research Day (2014, April), Southfield, MI; 15th Interim Meeting of the World Federation of Neurosurgical Societies (2015, September), Rome, Italy.

Dawley T. *Less Is More: Mini-Open PLIF* [Oral presentation, 1st place]. 5th Annual Minimally Invasive Neurological Society Conference (2014, July), Detroit, MI.

Setty, P. *Biventricular Hydrocephalus Caused by a Giant Basilar Apex Aneurysm via a Staged Combination of Endoscopy and Endovascular Embolization: A Case Report* [Poster presentation]. Presented at the 24th Annual North American Skull Base Society Meeting (2014, February), San Diego, CA.

Setty, P. *Fully Endoscopic Vestibular Nerve Sections* [Poster presentation]. Congress of Neurological Surgeons Annual Meeting, (2014, October), Boston, MA.

2013

Setty P, Volkov AV, Richards BF, Barrett RJ. *Treatment of a Giant Basilar Apex Aneurysm Causing Biventricular Hydrocephalus Via a Staged Approach Utilizing Endoscopy and Endovascular Therapy: A Case Report* [Poster presentation]. The American College of Osteopathic Surgeons Annual Clinical Assembly (2013, November), Washington, DC.

Alexander MJ, Veznedaroglu E, Feng L, Duckwiler G, Siddiqui A, Richards B, Chao K. *Early U.S. Experience with the Trevo Retriever device: A Multi-center Analysis* [Poster presentation]. The International Stroke Conference. (2013, February), Honolulu, HI.

Sandquist L, Barrett R, Richards B, Soo TM. *Antibiotic Impregnated PMMA as an Anterior Biomechanical Device for the Treatment of Cervical Discitis and Vertebral Osteomyelitis* [Poster presentation]. The 2013 Global Spine Congress (2013, April), Hong Kong, China.

2011

Richards BR, Fleming JB, Shannon CN, Walters BC, Harrigan MR. *Safety and Cost Effectiveness of Step-down Unit Admission Following Elective Neurointerventional Procedures* [Poster presentation]. The American Association of Neurological Surgeons Cerebrovascular Section (2011, February), New Orleans, LA.

Harrigan MR, Alexandrov A, Fleming JB, Taylor T, Richards BR. *Timing and Mechanism of Ischemic Stroke Due to Extracranial Blunt Traumatic Cerebrovascular Injury* [Poster presentation]. The American Association of Neurological Surgeons Cerebrovascular Section (2011, February), New Orleans, LA.

Fleming JR, Richards BR, Shannon CN, Harrigan MR. *Magnetic Resonance Angiography Versus Digital Subtraction Angiography in the Follow-up of Coiled Intracranial Aneurysms: A Real-world Cost Analysis* [Poster

presentation]. The American Association of Neurological Surgeons Cerebrovascular Section (2011, February), New Orleans, LA.

Fleming JB, Richards BR, Naftel RP, Argo JL, Harrigan MR. *Evaluation of the Laparoscopic Versus Open Techniques for Distal Ventriculoperitoneal Shunt Catheter Placement in Patients with Aneurysmal Subarachnoid Hemorrhage* [Poster presentation]. The American Association of Neurological Surgeons Cerebrovascular Section (2011, February), New Orleans, LA.

2009

Richards BR, Kelkar PJ, Fessler RJ. *Staged Coiling of Intracerebral Aneurysms: A Technical Note* [Poster presentation]. The Congress of Neurosurgeons Annual Meeting (2009, November), Boston, MA.

Richards BR, Kelkar PJ, Soo TM. *Sagittal Correction from a Posterior Approach Combining the Smith-Peterson Osteotomy, Release of the ALL, and Placement of a Large Anterior Cage* [Poster presentation]. The Congress of Neurosurgeons Annual Meeting (2009, November), Boston, MA.

2007

Sheikh H, Richards BR, Perez-Cruet MJ. *Minimally Invasive Expandable Interbody Fusion Device and Percutaneous Pedicle Screw Fixation: A Novel Treatment for Debilitating Lower Back Pain* [Poster presentation]. The American Association of Neurological Surgeons Annual Meeting (2007, April), Washington, D.C.

2006

Richards BR. *Interbody Fusion with Antibiotic-Impregnated Polymethylmethacrylate in the Treatment of Discitis and Vertebral Osteomyelitis* [Oral presentation]. The Annual World Spine Meeting (2006, August), Rio, Brazil.

Richards BR, Sheikh H, Chaudrhy R, Perez-Cruet MJ. *Murine Embryonic Stem Cell Derived Chondrocyte Lineage* [Poster presentation]. The American Association of Neurological Surgeons Annual Meeting (2006, April), San Francisco, CA.

2005

Richards BR, Barrett RJ, Glickman SG, Hux FJ, Tong D, Bono P, Soo T. *Interbody Fusion with Antibiotic-Impregnated Polymethylmethacrylate in the Treatment of Discitis and Vertebral Osteomyelitis* [Poster presentation]. The Annual Meeting of American College of Osteopathic Surgeons (2005, October), Orlando, FL.

BOOK CHAPTERS

Mathew V, Sorek S, Najera E, Griep D, Rahme R (2025) "Arteriotomy Closure Following Neuroendovascular Intervention." In Handbook of Neuroendovascular Techniques, 2nd Edition, Springer Nature

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Setty P. Acoustic Neuroma: Endoscopic Approach. In Sekhar LN, Fessler RG, ed. 2nd Edition, 2016. *Atlas of Neurosurgical Techniques-Cranial Surgery*. New York: Thieme. ISBN: 9781626233881.

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Bawa R, Bawa SR, Mehra, R. The Translational Challenge in Medicine at the Nanoscale. In Bawa R, Audette GF, Roose B, ed. 1st Edition, 2016. *Handbook of Clinical Nanomedicine: Law, Business, Regulation, Safety, and Risk*. Pan Stanford Series on Nanomedicine. ISBN 978-981-4669-22-1.

Richards BF & Harrigan MR. "Management of Traumatic Arterial Vascular Injuries". In Ullman JS, Raskins PB, ed. 1st Edition, 2015. *Atlas of Emergency Neurosurgery*, New York: Thieme. DOI: 10.1055/b-003-121745.

GRANTS

Dawley T, Goel VK, Lytle E, Tong D, Soo T. Multilevel Stabilization Screw (MLSS) for the Prevention of Proximal Junctional Kyphosis in Long-Thoracolumbar Instrumented Fusions: an in-vitro biomechanical study. Ascension Providence Hospital Research Committee Grant (1309684-1).

Dawley T, Tong D, Claus C, Kelkar P, Soo T. Efficacy and Safety of Cilostazol-Nimodipine Combined Therapy on Delayed Cerebral Ischemia after Aneurysmal Subarachnoid Hemorrhage (aSAH): A Multicenter, Randomized, Double-Blinded, Placebo-Controlled Trial. Ascension Providence Hospital Research Committee Grant (1478832-5).

NEWSPAPER ARTICLES

Turnbull J, Richards B. Middle Meningeal Artery Embolization is Revolutionizing Chronic Subdural Hematoma Management [newsletter]. 2025 Michigan Association of Neurosurgeons Annual Meeting (August 2025). Mackinac Island, MI.

Dragonette J, Kaufmann A, Whelan R. "Images in Neurosurgery". Congress Quarterly, Summer 2023.