

CURRICULUM VITAE
Thomas J. Wilson, M.D., M.P.H.

BIOGRAPHICAL

Business Address: Stanford University
Department of Neurosurgery
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EDUCATION AND TRAINING

Post-graduate: Mayo Clinic, Rochester, MN
July 2016 – June 2017
Peripheral Nerve Surgery Fellow
Fellowship Director: Robert J. Spinner, M.D.

University of Michigan Health System, Ann Arbor, MI
July 2009 - June 2016
Neurological Surgery Resident
Chairperson: Karin M. Muraszko, M.D.
Residency Program Director: B. Gregory Thompson, M.D.

Graduate: Johns Hopkins University, Baltimore, MD
March 2017 – December 2020
Master of Public Health (M.P.H)
Graduate Certificate: Health Finance and Management
Graduate Certificate: Clinical Trials

University of Nebraska Medical Center, Omaha, NE
August 2004 - May 2009
Doctor of Medicine (M.D.), *with Highest Distinction*

Howard Hughes Medical Institute Research Training Fellow, Omaha, NE
July 2006 - June 2007
No degree awarded
Fellowship Director: Rakesh K. Singh, Ph.D.

Undergraduate: Creighton University, Omaha, NE
August 2000 - May 2004
Bachelor of Science (B.S.) in Biology, *Summa Cum Laude*

LICENSURE AND CERTIFICATION

American Board of Neurological Surgery – Board Certified, Issued 05/08/2021, Expires 12/31/2031
 DEA Controlled Substance Registration, Registration Number FW6071574, Issued 05/02/2019 Expires 05/31/2025
 Medical Board of California, License 147670, Issued 03/01/2017, Expires 03/31/2023
 Medical Board of Alaska, Physician Temporary Permit, License 188894, Issued 08/29/2022, Expires 03/01/2023
 Medical Board of Hawaii, License MD-22357, Issued 03/10/2022, Expires 01/31/2024

APPOINTMENTS AND POSITIONS

Jan 2021 – Present	Clinical Associate Professor of Neurosurgery, Department of Neurosurgery, Stanford University, Stanford, CA USA
Aug 2017 – Dec 2020	Clinical Assistant Professor of Neurosurgery, Department of Neurosurgery, Stanford University, Stanford, CA USA
Feb 2017 – Jul 2017	Assistant Professor of Neurosurgery, Department of Neurosurgery, Mayo Clinic, Rochester, MN USA
Jul 2016 – Jun 2017	Peripheral Nerve Surgery Fellow, Department of Neurosurgery, Mayo Clinic, Rochester, MN USA
Jul 2009 – Jun 2016	House Officer, Department of Neurosurgery, University of Michigan, Ann Arbor, MI USA
Aug 2005 – Jun 2006	Medical Student Tutor, University of Nebraska Medical Center
Jun 2005 – Aug 2005	Summer Educational Fellow, University of Nebraska Medical Center, Omaha, NE USA
Jun 2005 – Aug 2005	Teaching Assistant - Anatomy, University of Nebraska Medical Center, Omaha, NE USA
Sept 2002 – May 2005	Phlebotomist, Nebraska Methodist Hospital, Omaha, NE USA
Aug 2002 – May 2003	Teaching Assistant - Organic Chemistry, Creighton University, Omaha, NE, USA

ADMINISTRATIVE APPOINTMENTS AND POSITIONS

May 2022 – Present	Secretary/Treasurer, Peripheral Nerve Division, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves
Jan 2022 – Present	Assistant Residency Program Director, Department of Neurosurgery, Stanford University, Stanford, CA, USA
Jan 2020 – Present	CNS Case of the Month Committee Member, Peripheral Nerve Chair, Committee on Collaborative Research, AANS/CNS
Apr 2019 – Present	Disorders of the Spine and Peripheral Nerves Peripheral Nerve Division
Feb 2019 – Present	CNS SANS Committee Member, Peripheral Nerve Section Editor
Oct 2018 – Present	AANS/CNS Joint Guidelines Rules Committee Member
Oct 2017 – Present	Co-Director, Center for Peripheral Nerve Surgery, Stanford University, Stanford, CA, USA

Jul 2016 – Present AANS/CNS Disorders of the Spine and Peripheral Nerves
Peripheral Nerve Task Force Member

HONORS AND AWARDS

2019 Stanford Health Care Patient-Centeredness Honoree, Stanford University
2018 Michael S.B. Edwards Teaching Award, Department of Neurosurgery, Stanford University
2017 AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Kline Peripheral
Nerve Award
2016 McGillicuddy Leadership Award, University of Michigan Medical School
2016 Chandler Clinical Research Award, University of Michigan Medical School
2014 Crosby Basic Science Research Award, University of Michigan Medical School
2014 Neurosurgery Academic Excellence Award, University of Michigan Medical School
2009 Kenneth M. Browne, M.D. Award in Neurosurgery University of Nebraska Medical Center
2009 Jerald R. Schenken, M.D. Outstanding Achievement in Pathology & Microbiology Award,
University of Nebraska Medical Center
2009 Alpha Omega Alpha Senior Thesis Award, University of Nebraska Medical Center
2009 First Place Award in Poster Presentation, Medical Student, Midwest Student Biomedical
Research Forum
2009 Fourth Place Overall Poster Presentation, Midwest Student Biomedical Research Forum
2008 UNMC College of Medicine Alumni Award for Research
2008 First Place Award in Poster Presentation, Medical Student, Midwest Student Biomedical
Research Forum
2008 Third Place Overall Poster Presentation, Midwest Student Biomedical Research Forum
2007 Elected to Alpha Omega Alpha, University of Nebraska Medical Center
2007 Third Place Overall Poster Presentation, National Student Research Forum
2007 Fourth Place Award in Poster Presentation, Medical Student, Midwest Student
Biomedical Research Forum
2004 Department of Biology Outstanding Achievement Award, Creighton University
2003 Dr. John F. Sheehan Scholarship for excellence in biology, Creighton University

MEMBERSHIPS AND ORGANIZATIONS

2018-present American Society for Peripheral Nerve (ASPN), Active Member
2009-present Congress of Neurological Surgeons (CNS), Member
2009-present American Association of Neurological Surgeons (AANS), Member
2007-present Alpha Omega Alpha Honor Medical Society
2002-present Phi Sigma Tau International Philosophy Honors Society

GRANTS AND FUNDING

Active

Audentes Therapeutics Sponsor Funded Clinical Trial

Day (PI) 01/01/2021 – 12/31/2023

FORTIS: A Phase 1/2, Open-Label, Ascending-Dose Clinical Study to Evaluate the Safety and Preliminary Efficacy of AT845, an AAV8-Delivered Gene Transfer Therapy in Patients with Late Onset Pompe Disease

The goal of this Phase 1/2 clinical trial is to evaluate the safety and preliminary efficacy of AT845, an AAV8-delivered gene transfer therapy in patients with late onset Pompe Disease.

Role: Sub-Investigator

Department of Defense Spinal Cord Injury Research Project (SCIRP) Grant

Ray (PI) 09/01/2019 - 08/31/2023

Nerve Transfers to Improve Upper Extremity Function and Quality of Life in Tetraplegic Patients (NCT 04023591)

The goal of this study is to better define the outcomes associated with nerve transfer surgery performed to improve upper extremity function in tetraplegic patients and to better refine the indications for surgery.

Role: Co-Investigator, Site Primary Investigator

Previous

American Society for Peripheral Nerve/Plastic Surgery Foundation Pilot Research Grant

Wilson (PI) 07/01/2019 – 06/30/2021

Use of [18F]FTC-146 PET/MRI in the Evaluation of Nerve Pain

The goal of this study is to utilize a combination of MRI and PET imaging using a novel radiotracer to identify neuropathic pain generators. This pilot study uses patients with proven ulnar neuropathy at the elbow to see if [18F]FTC-146 PET/MRI identifies the point of entrapment.

Role: Primary Investigator

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| 2019-2020 | Neurosurgery Research & Education Foundation Medtronic Young Clinician Investigator Award - Deep Machine Learning and Convolutional Neural Networks for the Evaluation and Classification of Peripheral Nerve Tumors, Primary Investigator |
| 2013-2014 | NIH Ruth L. Kirschstein National Research Service Award T32 Training Grant - Therapeutic Manipulation of Glioma Stem Cell Differentiation States, Primary Investigator |
| 2013-2014 | Motor City Golf Classic Grant – Glioma Stem Cells and Implications for Therapeutic Development, Primary Investigator |
| 2013-2014 | Motor City Golf Classic Grant – Development and Evaluation of a Minimally Invasive Spine Simulator, Co-Investigator |
| 2012-2013 | Motor City Golf Classic Grant – The origin of gliomas and the implications for therapeutic intervention, Primary Investigator |

RESEARCH PUBLICATIONS AND PRESENTATIONS

Peer Reviewed Publications

1. Ottestad E and **Wilson TJ**. Assessment of Outcomes in Consecutive Patients undergoing Dorsal Scapular Nerve Decompression. (2022) *J. Neurosurg*. Epub ahead of print. PMID: 36087331
2. **Wilson TJ**, Toland A, Cayrol R, and Vogel H. Initial experience with label-free stimulated Raman scattering microscopy for intraoperative assessment of peripheral nerves. (2022) *Clin. Neurol. Neurosurg*. Epub ahead of print. PMID: 35217475
3. Lenartowicz KA, Murthy NK, Desy NM, De La Pena NM, Wolf AS, **Wilson TJ**, Amrami KK, and Spinner RJ. Does complete regression of intraneural ganglion cysts occur without surgery? (2022) *Acta Neurochir*. 164:2689-2698. PMID: 35877047
4. Hall JC, Chang SD, **Wilson TJ**, Ganjoo KN, Toland A, Vogel H, Pollom EL, and Rahimy E. Postoperative Stereotactic Radiosurgery of Malignant Melanotic Schwannoma. (2022) *Cureus* 14:e22849. PMID: 35399431
5. Hug NF, Smith BW, Sakamuri S, Jensen M, Purger DA, Spinner RJ, and **Wilson TJ**. Research Reporting in Cubital Tunnel Syndrome Studies: An Analysis of the Literature. (2022) *Acta Neurochir*. 164:1337-1345. PMID: 34993620
6. Zhang M*, Tong E*, Wong S, Hamrick F, Mohammadzadeh, M, Rao, V, Pendleton C, Smith BW, Hug NF, Biswal S, Seekins J, Napel S, Spinner RJ, Mahan MA, Yeom KW*, and **Wilson TJ***. Machine-learning Approach to Differentiation of Peripheral Schwannomas and Neurofibromas: A Multicenter Study. (2021) *Neuro. Oncol*. 24:601-609. PMID: 34487172 *Equal contribution
7. Johnson EM, Yoon D, Biswal S, Curtin C, Fox P, **Wilson TJ**, Carroll I, Lutz A, and Tawfik VL. Characteristics of Patients With Complex Limb Pain Evaluated Through an Interdisciplinary Approach Utilizing Magnetic Resonance Neurography. (2021) *Front. Pain Res. (Lausanne)* 2:689402. PMID: 35295513
8. Lenartowicz KA*, Goyal A*, Mauermann ML, **Wilson TJ**, and Spinner RJ. Clinical Features, Natural History and Outcomes of Intraneural Perineuriomas: A Systematic Review of the Literature. (2021) *World Neurosurg*. 154:120-131. *Equal contribution PMID: 34284162
9. Smith BW, Sakamuri S, Flavin K, Jensen M, Purger DA, Yang LJS, Spinner RJ, and **Wilson TJ**. Peripheral Nerve Assessment: A Multi-national Survey. (2021) *Acta Neurochir* 163:2077-2087. PMID: 33990886
10. Zhang M, Tong E, Hamrick F, Lee EH, Tam LT, Pendleton C, Smith BW, Hug NF, Biswal S, Seekins J, Mattonen S, Napel S, Campen CJ, Spinner RJ, Yeom KW, **Wilson**

TJ*, and Mahan MA*. Machine-learning Approach to Differentiation of Benign and Malignant Peripheral Nerve Sheath Tumors: A Multicenter Study. (2021) *Neurosurgery* 89:509-517. PMID: 34131749 *Equal contribution

11. **Wilson TJ**, Hamrick F, Alzahrani S, Dibble CF, Koduri S, Pendleton C, Saleh S, Ali ZS, Mahan MA, Midha R, Ray WZ, Yang LJS, Zager EL, and Spinner RJ. Analysis of the Effect of Intraoperative Neuromonitoring During Resection of Benign Nerve Sheath Tumors on Gross Total Resection and Neurological Complications. (2021) *J Neurosurg.* 12:1-10. PMID: 33578389
12. Sakamuri S and **Wilson TJ**. Allograft Nerve Repair Reduces Postoperative Neuropathic Pain Following Nerve Biopsy. (2020) *Neurosurgery*. Epub ahead of print. PMID: 32542326
13. Purger DA, Sakamuri S, Hug NF, Biswal S, and **Wilson TJ**. Imaging of Damaged Nerves. (2019) *Clin. Plast. Surg.* 47:245-259. PMID: 32115050.
14. Khalifeh JM, Dibble CF, Van Voorhis A, Doering M, Boyer MI, Mahan MA, **Wilson TJ**, Midha R, Yang L, and Ray WZ. (2019) Nerve Transfers in the Upper Extremity following Cervical Spinal Cord Injury. Part 1: Systematic Review of the Literature. *J. Neurosurg. Spine*. Epub ahead of print. PMID: 31299644
15. Khalifeh JM, Dibble CF, Van Voorhis A, Doering M, Boyer MI, Mahan MA, **Wilson TJ**, Midha R, Yang L, and Ray WZ. (2019) Nerve Transfers in the Upper Extremity following Cervical Spinal Cord Injury. Part 2: Preliminary Results of a Prospective Clinical Trial. *J. Neurosurg. Spine*. Epub ahead of print. PMID: 31296645
16. Park A, Chute C, Rajpurkar P, Lou J, Ball RL, Shpanskaya K, Jabarkheel R, Kim LH, McKenna E, Tseng J, Ni J, Washah F, Wittber F, Hong DS, **Wilson TJ**, Halabi S, Basu S, Patel BN, Lungren MP, Ng AY, Yeom KW. (2019) Deep-Learning-Assisted Diagnosis of Cerebral Aneurysms using the HeadXNet Model. *JAMA Netw. Open.* 5:e195600. PMID: 31173130
17. **Wilson TJ**, Stone JJ, Howe BM, Rock MG, and Spinner RJ. Joint Outcomes Following Surgery for Superior Tibiofibular Joint Associated Peroneal Intranural Ganglion Cysts. (2018) *Neurosurgery.* 86:383:390. PMID: 31215635
18. Spinner RJ, Hanna AS, Maldonado AA, and **Wilson TJ**. Peripheral Nerve. (2019) *Oper. Neurosurg.* 17(Suppl 2):S229-S255. PMID: 31099839
19. Leafblad ND, **Wilson TJ**, Amrami KK, Turner NS, and Spinner RJ. Cystic Adventitial Disease of the Tibial Vein Arising From the Subtalar Joint: A Case Report. (2019) *J. Foot Ankle Surg.* 58:377-380. PMID: 30612871

20. Zuckerman SL, Kerr ZY, Pierpoint L, Kirby P, Than KD, and **Wilson TJ**. An 11-Year Analysis of Peripheral Nerve Injuries in High School Sports. (2018) *Phys. Sportsmed.* 47:167-173. PMID: 30392428
21. Ravindran K, Kumar N, Englot DJ, **Wilson TJ**, and Zuckerman SL. Deep brain stimulation versus peripheral denervation for cervical dystonia: a systematic review and meta-analysis. (2019) *World Neurosurg.* 122:e940-946. PMID: 30419402
22. **Wilson TJ**. Novel Uses of Nerve Transfers. (2019) *Neurotherapeutics.* 16:26-35. PMID: 30267204
23. Smith BW, Sakamuri S, Spain DA, Joseph JR, Yang LJS, and **Wilson TJ**. An Update on the Management of Adult Traumatic Nerve Injuries-Replacing Old Paradigms: A Review. (2019) *J. Trauma Acute Care Surg.* 86:299-306. PMID: 30278019
24. **Wilson TJ**, Amrami KK, and Spinner RJ. Clinical and Radiological Longitudinal Follow-up of Intraneural Perineuriomas. (2019) *Neurosurgery.* 85:786-792. PMID: 30481319
25. **Wilson TJ**, Maldonado AA, Amrami KK, Glazebrook KN, Moynagh MR, and Spinner RJ. The Anatomic Location and Importance of the Tibialis Posterior Fascicular Bundle at the Sciatic Nerve Bifurcation: Report of 3 Cases. (2018) *J. Neurosurg.* Epub ahead of print. PMID: 30579281
26. Al-Holou WN*, **Wilson TJ***, Ali ZS, Brennan RP, Bridges KJ, Guivatchian T, Habboub G, Krishnaney AA, Lanzino GL, Snyder KA, Ma TS, Than KD, and Pandey AS. Gastrostomy Tube Increases the Risk of Ventriculoperitoneal Shunt Infection: A Multi-institutional Study. (2018) *J. Neurosurg.* Epub ahead of print. PMID: 30497165 *Equal contribution
27. Smith BW, Daunter AK, Yang LJS, and **Wilson TJ**. An Update on the Management of Neonatal Brachial Plexus Palsy-Replacing Old Paradigms: A Review. (2018) *JAMA Pediatr.* 172:585-591. PMID: 29710183
28. **Wilson TJ**, Kleiber GM, Nunley RM, Mackinnon SE, and Spinner RJ. Distal Peroneal Nerve Decompression after Sciatic Nerve Injury Secondary to Total Hip Arthroplasty. (2018) *J. Neurosurg.* 130:179-183. PMID: 29393761
29. Gibbs CM, Ginsburg AD, **Wilson TJ**, Lachman N, Hevesi M, Spinner RJ, and Krych AJ. The Anatomy of the Perineal Branch of the Sciatic Nerve. (2018) *Clin. Anat.* 31:357-363. PMID: 29411423
30. **Wilson TJ**, Mauermann ML, Rock MG, and Spinner RJ. Outcomes Following Surgery for Peroneal Intraneural Ganglion Cysts. (2018) *Muscle Nerve.* 57:989-993. PMID: 29315664

31. **Wilson TJ***, Howe BM*, Spinner RJ, and Krych AJ. Imaging Characteristics Predict Operative Difficulty Mobilizing the Sciatic Nerve for Proximal Hamstring Repair. (2018) *Neurosurgery*. 83:931-939 PMID: 29145673 *Equal contribution
32. **Wilson TJ**, Spinner RJ, and Krych AJ. Surgical Approach Impacts Posterior Femoral Cutaneous Nerve Outcomes Following Proximal Hamstring Repair. (2019) *Clin. J. Sport Med*. 29:281-284. PMID: 29023278
33. Chang KWC, **Wilson TJ**, Popadich M, Brown S, Chung K, and Yang LJS. Oberlin Transfer Improves Early Supination Compared to Nerve Grafting in Neonatal Brachial Plexus Palsy. (2017) *J. Neurosurg. Pediatr*. 21:178-184. PMID: 29219789
34. **Wilson TJ***, Howe BM*, Stewart SA, Spinner RJ, and Amrami KK. Clinicoradiologic Features of Intraneural Perineuriomas Obviate the Need for Tissue Diagnosis. (2017) *J. Neurosurg*. 129:1034-1040. PMID: 29192862 *Equal contribution
35. **Wilson TJ** and Spinner RJ. Selective Cervical Denervation for Cervical Dystonia: Modification of the Bertrand Procedure. (2017) *Oper. Neurosurg*. 14:546-555. PMID: 29106650
36. **Wilson TJ**, Spinner RJ, Mohan R, Gibbs CM, and Krych AJ. Sciatic nerve injury following proximal hamstring avulsion and repair. (2017) *Orthop. J. Sports Med*. 5:eCollection 2017. PMID: 28758137
37. **Wilson TJ**, Amrami KK, and Spinner RJ. Superficial Ulnar Nerve Articular Branch: More than Arcane Trivia. (2017) *Clin. Anat*. 30:567-568. PMID: 28247942
38. **Wilson TJ***, Hebert-Blouin MN*, Murthy NS, Amrami KK, and Spinner RJ. Recognition of peroneal intraneural ganglia in an historical cohort with “negative” MRIs. (2017) *Acta Neurochir*. 159:925-930. PMID: 28258311 *Equal contribution
39. **Wilson TJ**, Rock MG, and Spinner RJ. Technique for Primary and Re-do Surgery for Peroneal Intraneural Ganglion Cysts. (2017) *Oper. Neurosurg*. 14:208. PMID: 28520989
40. **Wilson TJ**, Franz E, Vollmer CF, Chang KWC, Upadhyaya C, Park P, and Yang LJ-S. Patient-perceived surgical indication influences patient expectations of surgery for degenerative spinal disease. (2017) *Clin. Neurol. Neurosurg*. 157:11-16. PMID: 28359906
41. Himes BT, **Wilson TJ**, Maldonado AA, Murthy NS, and Spinner RJ. Delayed compression of the common peroneal nerve in the setting of a rotational lateral gastrocnemius flap: a case report. (2017) *J. Neurosurg*. 128:1589-1592. PMID: 28753118
42. **Wilson TJ**, Chang KWC, and Yang LJ-S. Prediction Algorithm for Surgical Intervention in Neonatal Brachial Plexus Palsy. (2017) *Neurosurgery*. 82:335-342. PMID: 28419287

43. **Wilson TJ**, Hebert-Blouin MN, Murthy NS, Garcia JJ, Amrami KK, and Spinner RJ. The Nearly Invisible Intraneural Cyst: A New and Emerging Part of the Spectrum. (2017) *Neurosurg. Focus.* 42:E10. PMID: 28245669
44. Henning PT, **Wilson TJ**, Willsey M, John J, Popadich M, and Yang LJS. Pilot Study of Intra-operative Ultrasound-Guided Surgical Instrument Placement for Surgical Nerve Transection for Peripheral Nerve Pain Syndromes. (2017) *Neurosurg. Focus.* 42:E6. PMID: 28245671
45. Granger A, Sardi JP, Iwanaga J, **Wilson TJ**, Yang LJ-S, Loukas M, Oskouian RJ, and Tubbs RS. Osborne's Ligament: A Review of its History, Anatomy and Surgical Importance. (2017) *Cureus.* 9:e1080. PMID: 28405530
46. Willsey M, **Wilson TJ**, Henning PT, and Yang LJ-S. Intraoperative Ultrasound for Peripheral Nerve Applications. (2017) *Neurosurg. Clin. N. Am.* 28:623-632. PMID: 28917290
47. Linzey JR, **Wilson TJ**, Sullivan SE, Thompson BG, and Pandey AS. Frontal Sinus Breach During Routine Frontal Craniotomy Significantly Increases the Risk of Epidural Abscess Formation: 10 Year Retrospective Analysis. (2017) *Neurosurgery.*81:504-511. PMID: 28327980
48. **Wilson TJ**, Zamler DB, Doherty R, Castro MG, and Lowenstein PR. Reversibility of glioma stem cells' phenotypes explains their complex in vitro and in vivo behavior. Discovery of a novel neurosphere-specific target, cGMP-dependent protein kinase 1, using the genomic landscape of human glioma stem cells as a discovery tool. (2016) *Oncotarget.* 7:63020-63041. PMID: 27564115
49. Fletcher JJ, **Wilson TJ**, Rajajee V, Davidson SB, and Walsh JC. Changes in Therapeutic Intensity Level Following Airway Pressure Release Ventilation in Severe Traumatic Brain Injury. (2016) *J. Intensive Care Med.* 33:196-202. PMID: 27651443
50. Somashekar DK, **Wilson TJ**, DiPietro MA, Joseph JR, Ibrahim M, Yang LJ-S, and Parmar HA. The Current Role of Diagnostic Imaging in the Preoperative Workup for Refractory Neonatal Brachial Plexus Palsy. (2016) *Childs Nerv. Syst.* 32:1393-1397 PMID: 27179536
51. Johnson K, Al-Holou WN, Anderson R, **Wilson TJ**, Karnati T, Ibrahim M, Garton HJL, and Maher CO. Morphometric Analysis of the Developing Pediatric Cervical Spine. (2016) *J. Neurosurg. Pediatr.* 18:377-389 PMID: 27231821
52. **Wilson TJ**, McCoy KE, Al-Holou WN, Molina SL, Smyth MD, Sullivan SE. Comparison of the accuracy and proximal shunt failure rate of freehand placement versus intraoperative guidance in parietooccipital ventricular catheter placement. (2016) *Neurosurg. Focus.* 41:E10 PMID: 27581306

53. Jacobson JA, **Wilson TJ**, and Yang LJ-S. Sonography of Common Peripheral Nerve Disorders with Clinical Correlation. (2016) *J. Ultrasound Med.* 35:683-693 PMID: 26931790
54. **Wilson TJ**, Tubbs RS, and Yang LJ-S. The anconeus epitrochlearis muscle may protect against the development of cubital tunnel syndrome: a preliminary study. (2016) *J. Neurosurg.* 125:1533-1538. PMID: 26871208
55. Fletcher JJ, **Wilson TJ**, Rajajee V, Stetler Jr. WR, Jacobs TL, Sheehan KM, and Brown DL. A Randomized Trial of Central Venous Catheter Type and Thrombosis in Critically Ill Neurologic Patients. (2016) *Neurocrit. Care.* 25:20-28 PMID: 26842716
56. Chang KWC, Ankumah NA, **Wilson TJ**, Yang LJ-S, and Chauhan SP. Persistence of Neonatal Brachial Plexus Palsy (NBPP) Associated with Maternally Reported Route of Delivery: Review of 387 Cases. (2016) *Am. J. Perinat.* 33:765-769 PMID: 26890435
57. Guan Z, **Wilson TJ**, Jacobson JA, Hollon TC, and Yang LJ-S. Delayed Sciatic Nerve Injury Resulting from Myositis Ossificans Traumatica (2016) *PM R.* 8:484-487 PMID: 26548968
58. **Wilson TJ***, Chang KWC*, Chauhan SP, and Yang LJS. Peripartum and Neonatal Factors Associated with the Persistence of Neonatal Brachial Plexus Palsy at 1 Year: A Review of 382 Cases. (2016) *J. Neurosurg. Pediatr.* 17:618-624 PMID: 26799409
*Equal contribution.
59. **Wilson TJ**, Chang KWC, Chung KC, and Yang LJ-S. Depression and Anxiety in Traumatic Brachial Plexus Injury Patients are Associated with Reduced Motor Outcome Following Surgical Intervention for Restoration of Elbow Flexion. (2016) *Neurosurgery.* 78:844-850 PMID: 26516821
60. Ray WZ, Chang J, Hawasli A, **Wilson TJ**, and Yang LJ-S. Motor Nerve Transfers: A Comprehensive Review. (2016) *Neurosurgery.* 78:1-26. PMID: 26397751
61. **Wilson TJ**, Joseph JR, Dillman J, Heider A, and Yang LJS. Evaluation and management of fibrofatty tumors of the extremities. (2016) *J. Neurosurg. Pediatr.* 17:66-69. PMID: 26451716
62. Stetler WR, Griauzde J, Saadeh Y, **Wilson TJ**, Al-Holou WN, Chaudhary N, Thompson BG, Pandey AS, and Gemmete JJ. Is intensive care monitoring necessary after coil embolization of unruptured intracranial aneurysms? (2016) *J. Neurointerv. Surg.* Epub ahead of print. PMID: 27382122
63. Pandey AS, Gemmete JJ, **Wilson TJ**, Chaudhary N, Thompson BG, Morgenstern LB, and Burke J. High Subarachnoid Hemorrhage Patient Volume Associated with Lower Mortality and Better Outcomes. (2015) *Neurosurgery.* 77:462-470. PMID: 26110818

64. Chen KC, **Wilson TJ**, Stetler Jr. WR, Davis MC, Giles DA, Kahn EN, Chaudhary, Gemmete JJ, Thompson BG, and Pandey AS. Management of recurrent aneurysms following endovascular therapy. (2015) *J. Clin. Neurosci.* 22:1901-1906. PMID: 26256068
65. Stetler Jr. WR*, **Wilson TJ***, Al-Holou WN, Khan A, Thompson BG, and Pandey AS. Intraoperative angiography does not lead to increased rates of surgical site infections. (2015) *J. Neurointerv. Surg.* 7:744-747. PMID: 25155479 *Equal contribution.
66. **Wilson TJ***, Saadeh Y*, Stetler Jr. WR, Pandey AS, Gemmete JJ, Chaudhary N, Thompson BG, and Fletcher JJ. Transfer time to a high volume center for patients with subarachnoid hemorrhage does not affect outcomes. (2014) *J. Stroke Cerebrovasc. Dis.* 24:416-423. PMID: 25497722 *Equal contribution
67. **Wilson TJ**, Stetler Jr. WR, Davis MC, Giles DA, Khan A, Chaudhary N, Gemmete JJ, Xi G, Thompson BG, and Pandey AS. Intraventricular hemorrhage is associated with early hydrocephalus, symptomatic vasospasm, and poor outcome in aneurysmal subarachnoid hemorrhage. (2014) *J. Neurol. Surg. A Cent. Eur. Neurosurg.* 76:126-132. PMID: 25545809
68. Kashlan ON, **Wilson TJ**, Chaudhary N, Gemmete JJ, Stetler Jr. WR, Dunnick NR, Thompson BG, and Pandey AS. Reducing Cost While Maintaining Quality in Endovascular Neurosurgical Procedures. (2014) *J. Neurosurg.* 121:1071-1076. PMID: 25170667
69. Castro MG, Candolfi M, **Wilson TJ**, Calinescu A, Paran C, Kamran N, Koschmann C, Moreno-Ayala MA, Assi H, and Lowenstein PR. Adenoviral Vector-Mediated Gene Therapy for Gliomas: Coming of Age. (2014) *Expert Opin. Biol. Ther.* 14:1241-1257. PMID: 24773178
70. Griauzde J, Gemmete JJ, Chaudhary N, **Wilson TJ**, and Pandey AS. Large volume blood patch to multiple sites in the epidural space through a single catheter access site for treatment of spontaneous intracranial hypotension. (2014) *AJNR Am. J. Neuroradiol.* 35:1841-1846. PMID: 24788127
71. Fletcher JJ, Kade A, Sheehan KM, and **Wilson TJ**. A Case-Cohort Study using Propensity Score Matching to Evaluate the Effects of Mannitol on Venous Thromboembolism. (2014) *J. Clin. Neurosci.* 21:1323-1328. PMID: 24685012
72. Cools MJ, Al-Holou WN, Stetler Jr. WR, **Wilson TJ**, Muraszko KM, Ibrahim M, La Marca F, Garton HJL, and Maher CO. Filum Terminale Lipomas: Imaging prevalence, natural history, and conus position. (2014) *J. Neurosurg. Pediatr.* 13:559-567. PMID: 24628511

73. Stetler Jr. WR, **Wilson TJ**, Al-Holou WN, Chaudhary N, Gemmete JJ, Thompson BG, and Pandey AS. Conventional endovascular treatment of small intracranial aneurysms is not associated with additional risks compared to treatment of larger aneurysms. (2014) *J. Neurointerv. Surg.* 7:262-265. PMID: 24623836
74. **Wilson TJ**, Pandey AS, Stetler Jr. WR, Davis MC, Giles D, Chaudhary N, Gemmete JJ, and Thompson BG. Dual antiplatelet therapy plus post-operative heparin and dextran is safe and effective in reducing embolic strokes during aneurysm coiling. (2014) *Acta Neurochir.* 156:855-859. PMID: 24595538
75. Mikhaylov Y, **Wilson TJ**, Rajajee V, Thompson BG, Maher CO, Sullivan SE, Jacobs TL, Kocan MJ, and Pandey AS. Efficacy of Antibiotic-Impregnated External Ventricular Drains in Reducing Ventriculostomy-Associated Infections: Single Institution Retrospective Analysis. (2014) *J. Clin. Neurosci.* 21:765-768 PMID: 24411330
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81. **Wilson TJ**, McKean EL, Barkan AL, Chandler WF, and Sullivan SE. Repeat endoscopic transsphenoidal surgery for acromegaly: remission and complications. (2013) *Pituitary* 16:459-464. PMID: 23307479
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87. **Wilson TJ** and Heth JA. Regression of a Meningioma During Paclitaxel and Bevacizumab Therapy for Breast Cancer. (2012) *J. Clin. Neurosci.* 19:468-469. PMID: 22245272
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92. Than KD, Wang AC, Rahman SU, **Wilson TJ**, Valdivia JM, Park P, LaMarca F. Complication avoidance and management in anterior lumbar interbody fusion. (2011) *Neurosurg. Focus.* 31:E6. PMID 21961869.
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Invasion by a Parafalcine Meningioma: Case Report. (2010) *Neurosurgery*. 67:205-207. PMID: 20559067

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Manuscripts Submitted/In Preparation for Peer Review

Peer Reviewed Correspondence

1. **Wilson TJ**. In Reply: In Reply: Allograft Nerve Repair Reduces Postoperative Neuropathic Pain Following Nerve Biopsy. (2021) *Neurosurgery*. In press.
2. **Wilson TJ** and Spinner RJ. Commentary: Cubital tunnel syndrome caused by intraneural or extraneural ganglion cysts-case report and review of the literature: Ulnar nerve ganglion cysts: Drawing closer to the shore (2017) *J. Plast. Reconstr. Aesthet. Surg*. Epub ahead of print. PMID: 28579179
3. **Wilson TJ**, Amrami KK, and Spinner RJ. Intraneural Ganglion Cysts: A Predictable Method to their Madness. (2017) *Ann. Phys. Rehabil. Med*. Epub ahead of print. PMID: 28347689

4. Stetler Jr. WR, **Wilson TJ**, Al-Holou WN, Sullivan SE, and Fletcher JJ. Intracranial hemorrhage and left ventricular assist devices. Author reply. (2013) *J. Neurosurg.* 119:824. PMID: 24137782

Edited Books/Volumes

1. Neurosurgery by Example: Peripheral Nerve Surgery. **Wilson TJ** and Yang LJ-S, volume editors. Selden N, series editor. (2019) Oxford University Press. New York, NY. ISBN: 978-0-19-061712-7

Book/Online Chapters

1. **Wilson TJ** and Spinner RJ. Complications of Surgery for Peripheral Nerve Tumors and Nerve Injuries. In: Nanda A, editor. *Complications in Neurosurgery*, 1st ed. Elsevier, 2019, pp. 377-385. ISBN: 978-0-323-50961-9
2. **Wilson TJ** and Yang LJ-S. Obstetric Brachial Plexus Lesions: Clinical Presentation and Assessment. In: Socolovsky M, Rasulic L, Garozzo D, and Midha R, editors. *Manual of Peripheral Nerve Surgery: From the Basics to Complex Procedures*, 1st ed. Thieme, 2018, pp. ISBN: 978-3-132-40955-2
3. **Wilson TJ** and Spinner RJ. Peroneal Neuropathy-Fibular Tunnel Syndrome. In: Wilson TJ and Yang LJ-S, volume editors, Selden N, series editor. *Neurosurgery by Example: Peripheral Nerve Surgery*. Oxford University Press, 2019, pp. 81-90. ISBN: 978-0-19-061712-7
4. Popadich M and **Wilson TJ**. Peripheral Nerve Biopsy. In: Wilson TJ and Yang LJ-S, volume editors, Selden N, series editor. *Neurosurgery by Example: Peripheral Nerve Surgery*. Oxford University Press, 2019, pp. 115-122. ISBN: 978-0-19-061712-7
5. **Wilson TJ** and Yang LJ-S. Specific Challenges in Brachial Plexus Surgery. In: Haastert-Talini K, Antoniadis G, and Assmus H, editors. *Modern Concepts of Peripheral Nerve Repair*. Springer, 2017, pp. 65-78. ISBN: 978-3-319-52319-4
6. **Wilson TJ**, Jacobson JA, and Yang LJ-S. Ulnar Neurolysis (Simple Decompression) for Cubital Tunnel Syndrome. In: Wolfla C and Resnick D, editors. *Neurosurgical Operative Atlas: Spine and Peripheral Nerves*, 3rd ed. Thieme Publishers, 2016, pp. 409-415. ISBN: 978-1-60-406898-6
7. **Wilson TJ**, Yang LJ-S, and Spinner RJ. Masses of the Peripheral Nervous System. In: Kay S, Wilks D, and McCombe D, editors. *Oxford Textbook of Plastic and Reconstructive Surgery*. Oxford University Press. In production.
8. Popadich M, **Wilson TJ**, and Yang LJ-S. In: Bader MK, Littlejohns LR, and Olson DWM, editors. *AANN Core Curriculum for Neuroscience Nursing*, 6th ed. *Peripheral Nerve Disorders*. In production.

9. **Wilson TJ** and Yang LJ-S. Surgical Treatment of Brachial Plexus Birth Palsy – An Editorial. In: Bendok B, Ghogawala Z, El Tecle N, Ragel B, Asthagiri A and Resnick D, editors. CNS Essential Papers in Neurosurgery. In press.
10. **Wilson TJ** and Muraszko KM. Tight Filum Terminale. In: Cohen A, editor. Pediatric Neurosurgery: Tricks of the Trade. Thieme, 2015, pp. 274-279. ISBN: 978-1-60-406869-6
11. **Wilson TJ**, Candolfi M, Assi H, Moreno Ayala MA, Mineharu Y, Hervey-Jumper SL, Lowenstein PR, and Castro MG. Immunotherapies for brain cancer: from preclinical models to human trials. In: Hayat MA, editor. Tumors of the Central Nervous System, Volume 13. Springer, 2014, pp. 239-251. ISBN: 978-94-007-7602-9
12. **Wilson TJ**, Camelo-Piragua S, Heth JA. Tumors of the skull base. In: Greenamyre JT, editor-in-chief. MedLink Neurology. MedLink Corporation. Available at www.medlink.com

Recurring Contributions

1. Ray WZ and **Wilson TJ**. The Learning Corner: AANS/CNS Joint Section of Disorders of the Spine and Peripheral Nerves Newsletter. October 2015 - Present

Peer Reviewed Abstracts/Presentations

1. **Wilson TJ**. Feasibility of Stimulated Raman Scattering Microscopy for the Intraoperative Evaluation of Peripheral Nerves. (2019) 24th Annual Sunderland Society Meeting, Jerusalem, Israel. Presented by **Thomas J. Wilson**
2. **Wilson TJ**, Kleiber GM, Nunley RM, Mackinnon SE, and Spinner RJ. Distal Peroneal Nerve Decompression after Sciatic Nerve Injury Secondary to Total Hip Arthroplasty. (2018) 86th American Association of Neurological Surgeons Annual Scientific Meeting, New Orleans, LA. Presented by **Thomas J. Wilson**
3. **Wilson TJ**, Howe BM, Krych AJ, and Spinner RJ. Imaging Characteristics Predict Operative Difficulty Mobilizing the Sciatic Nerve for Proximal Hamstring Repair. (2018) The 34th Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2018, Orlando, FL. Presented by **Thomas J. Wilson**
4. **Wilson TJ**, Mauermann ML, Rock MG, and Spinner RJ. Outcomes Following Surgery for Peroneal Intranural Ganglion Cysts. (2018) The 34th Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2018, Orlando, FL. Presented by **Thomas J. Wilson**
5. **Wilson TJ**, Kleiber GM, Nunley RM, Mackinnon SE, and Spinner RJ. Distal Peroneal Nerve Decompression after Sciatic Nerve Injury Secondary to Total Hip Arthroplasty.

- (2018) 23rd Annual Sunderland Society Meeting, Stanford, CA. Presented by **Thomas J. Wilson**
6. Zuckerman SL, Kerr Z, Pierpoint L, Than KD, and **Wilson TJ**. A 10-year Analysis of Peripheral Nerve Injuries in High School Sports. (2018) The 34th Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2018, Orlando, FL. Presented by Scott Zuckerman
 7. Rasmussen L, Smith BW, Chang KWC, Justice D, **Wilson TJ**, and Yang LJS. Lack of Rhomboid Muscle Volume is Associated with Significantly Decreased Arm Function in Long-term Follow-up of Neonatal Brachial Plexus Palsy. (2018) The 34th Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2018, Orlando, FL. Presented by Lynette Rasmussen
 8. **Wilson TJ**, Chang KWC, and Yang LJ-S. Prediction Algorithm for Surgical Intervention in Neonatal Brachial Plexus Palsy. (2017) The 33rd Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2017, Las Vegas, NV. Presented by **Thomas J. Wilson**
 9. **Wilson TJ**, Krych A, and Spinner RJ. Neurologic Outcomes following Proximal Hamstring Avulsion and Repair. (2017) The 33rd Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2017, Las Vegas, NV. Presented by **Thomas J. Wilson**
 10. Henning PT, **Wilson TJ**, Willsey M, John J, Popadich M, and Yang LJ-S. Intra-operative Localization of Peripheral Nerves using Ultrasound-guided Instrument Placement in Patients with Peripheral Nerve Pain Syndromes. (2017) The 33rd Annual Meeting of the Section of Disorders of the Spine and Peripheral Nerves Spine Summit 2017, Las Vegas, NV. Presented by Matthew Willsey
 11. **Wilson TJ**, Tubbs RS, and Yang LJ-S. The Anconeus Epitrochlearis Muscle may Protect against Development of Cubital Tunnel Syndrome. (2016) 84th American Association of Neurological Surgeons Annual Scientific Meeting, Chicago, IL. Presented by **Thomas J. Wilson**
 12. **Wilson TJ**, Chang KWC, and Yang LJ-S. Depression is Associated with Reduced Motor Outcome Following Brachial Plexus Reconstruction. (2015) Congress of Neurological Surgeons Annual Meeting, New Orleans, LA. Presented by **Thomas J. Wilson**
 13. Linzey J, **Wilson TJ**, Sullivan SE, Thompson BG, and Pandey AS. Frontal Sinus Breach During Routine Frontal Craniotomy Significantly Increases the Risk of Epidural Abscess Formation: 10 Year Retrospective Analysis. (2015) Congress of Neurological Surgeons Annual Meeting, New Orleans, LA. Presented by Joseph Linzey
 14. Al-Holou WN, Cools M, Stetler Jr WR, **Wilson TJ**, Ibrahim M, and Maher CO. The Natural History of Filum Terminale Lipomas. (2013) 81st American Association of

Neurological Surgeons Annual Scientific Meeting, New Orleans, LA. Presented by Wajd N. Al-Holou

15. **Wilson TJ**, McKean EL, Barkan AL, Chandler WF, and Sullivan SE. Repeat endoscopic trans-sphenoidal surgery for acromegaly: remission and complications. (2012) North American Skull Base Society 23rd Annual Meeting, Miami, FL. Presented by Stephen E. Sullivan
16. **Wilson TJ**. The role of Cathepsin G during tumor-stromal interaction in mammary tumor-induced osteolysis. (2009) University of Nebraska Medical Center Pathology and Microbiology Graduate Student Seminar, Omaha, NE. Presented by **Thomas J. Wilson**
17. **Wilson TJ**, Nannuru K, Futakuchi M, Sadanandam A, and Singh RK. Cathepsin G Enhances Mammary Tumor-Induced Osteolysis via Generation of sRANKL. (2008) International Student Research Forum, Omaha, NE. Presented by **Thomas J. Wilson**
18. **Wilson TJ**, Futakuchi M, Sadanandam A, Nannuru K, and Singh RK. Cathepsin G promotes mammary tumor-induced osteolysis via generation of soluble RANKL. (2007) Howard Hughes Medical Institute Annual Meeting of the Fellows, Chevy Chase, MD. Presented by **Thomas J. Wilson**

Peer Reviewed Abstracts/Posters

1. **Wilson TJ**, Stewart SA, Howe BM, Spinner RJ, and Amrami KK. The Presence of Newly Defined Classical Features of Intraneural Perineurioma May Obviate the Need for Fascicular Biopsy and Pathologic Diagnosis. (2017) International Society for Magnetic Resonance in Medicine 25th Annual Meeting, Honolulu, HI.
2. **Wilson TJ**, Franz E, Vollmer CF, Chang KWC, Upadhyaya C, Park P, and Yang LJ-S. Patient Perceptions Regarding Indications for Spinal Surgery for Degenerative Spine Disease. (2015) Congress of Neurological Surgeons Annual Meeting, New Orleans, LA.
3. **Wilson TJ**, Stetler Jr. WR, Thompson BG, and Pandey AS. Uncomplicated Elective Coiling of Intracranial Aneurysms Does Not Require Routine Intensive Care Unit Admission Post-operatively. (2015) 83rd American Association of Neurological Surgeons Annual Scientific Meeting, Washington D.C.
4. Chen KS, **Wilson TJ**, Stetler Jr. WR, Davis MC, Giles DA, Kahn EN, Chaudhary N, Gemmete JJ, Thompson BG, and Pandey AS. Management of recurrent aneurysms following endovascular therapy: reintervention or observation? (2015) 83rd American Association of Neurological Surgeons Annual Scientific Meeting, Washington D.C.
5. Saadeh Y, Al-Holou WN, **Wilson TJ**, Stetler Jr. WR, Guivatchian T, Pandey AS, and Thompson BG. Shunt placement in aneurysmal subarachnoid hemorrhage: Is gastrostomy tube placement associated with an increased shunt infection rate? (2014)

82nd American Association of Neurological Surgeons Annual Scientific Meeting, San Francisco, CA.

6. Khan A, Al-Holou WN, Stetler Jr. WR, **Wilson TJ**, and Maher CO. Presentation and Natural History of Spinal Arachnoid Cysts. (2014) 82nd American Association of Neurological Surgeons Annual Scientific Meeting, San Francisco, CA.
7. Saadeh Y, Al-Holou WN, **Wilson TJ**, Stetler Jr. WR, Sullivan SE, and Maher CO. Traumatic intracranial hemorrhage: Factors associated with recurrent hemorrhage. (2014) 82nd American Association of Neurological Surgeons Annual Scientific Meeting, San Francisco, CA.
8. **Wilson TJ**, Stetler Jr. WR, Davis MC, Giles D, Chaudhary N, Gemmete JJ, Xi G, Thompson BG, and Pandey AS. Early hydrocephalus is associated with poor outcome and vasospasm in aneurysmal subarachnoid hemorrhage. (2013) Congress of Neurological Surgeons Annual Meeting, San Francisco, CA.
9. **Wilson TJ**, Stetler Jr. WR, Davis MC, Giles D, Chaudhary N, Gemmete JJ, Thompson BG, and Pandey AS. Comparison of recurrence rates between intracranial bifurcation aneurysms with and without stent-assistance. (2013) Congress of Neurological Surgeons Annual Meeting, San Francisco, CA.
10. Boomsaad MJ, **Wilson TJ**, Rooney D, Sanz-Guerero J, Tai BLJ, and Sullivan SE. Development and Evaluation of a Minimally Invasive Spine Simulator. (2013) Congress of Neurological Surgeons Annual Meeting, San Francisco, CA.
11. Davis MC, **Wilson TJ**, Stetler Jr WR, Giles D, Al-Holou WN, Chaudhary N, Gemmete JJ, Thompson BG, and Pandey AS. Endovascular Treatment for Aneurysmal Subarachnoid Hemorrhage in the 9th Decade of Life and Beyond. (2013) 81st American Association of Neurological Surgeons Annual Scientific Meeting, New Orleans, LA.
12. **Wilson TJ**, Davis MC, Pandey AS, Stetler Jr WR, Chaudhary N, Gemmete JJ, and Thompson BG. Dual anti-platelet therapy plus post-operative heparin and dextran during elective aneurysm coiling is safe and reduces embolic events. (2013) 81st American Association of Neurological Surgeons Annual Scientific Meeting, New Orleans, LA.
13. Kashlan ON, Newcom M, **Wilson TJ**, Stetler W, and Pandey AS. The Effect of Cost Cutting Measures in Endovascular Procedures. (2013) 81st American Association of Neurological Surgeons Annual Scientific Meeting, New Orleans, LA.
14. **Wilson TJ**, Davis MC, Pandey AS, Stetler Jr WR, Chaudhary N, Gemmete JJ, and Thompson BG. Dual anti-platelet therapy plus post-operative heparin and dextran during elective aneurysm coiling is safe and reduces embolic events. (2013) International Stroke Conference, Honolulu, HI.

15. Al-Holou WN, Stetler Jr WR, **Wilson TJ**, McKean EL, and Sullivan SE. Skull base plasmacytomas: surgical approach and review of management. (2012) North American Skull Base Society 23rd Annual Meeting, Miami, FL.
16. Kroeker AD, Kang SY, **Wilson TJ**, Sullivan SE, and McKean EL. Patient and Perioperative Factors Influencing Blood Loss in Endoscopic Transsphenoidal Resection of Pituitary Tumors. (2012) North American Skull Base Society 23rd Annual Meeting, Miami, FL.
17. **Wilson TJ**, Nannuru KC, and Singh RK. TGF- β signaling is enhanced via cathepsin G-mediated activation of pro-mmp9 at the tumor-bone interface. (2009) The 40th Annual Midwest Student Biomedical Research Forum, Omaha, NE.
18. **Wilson TJ** and Singh RK. Cathepsin G regulates recruitment of osteoclast precursors via activation of protease activated receptor-1 in osteolytic bone metastases. (2008) The 39th Annual Midwest Student Biomedical Research Forum, Omaha, NE.
19. **Wilson TJ**, Futakuchi M, Sadanandam A, Nannuru K, and Singh RK. Cathepsin G: Osteolytic Promotion via Proteolysis and Chemoattraction. (2007) The 48th Annual National Student Research Forum, Galveston, TX.
20. **Wilson TJ**, Futakuchi M, Sadanandam A, Nannuru K, and Singh RK. Cathepsin G promotes mammary tumor-induced osteolysis via generation of soluble RANKL. (2007) 3rd Annual Nebraska Research and Innovation Conference, Omaha, NE.
21. **Wilson TJ**, Futakuchi M, Sadanandam A, Nannuru K, and Singh RK. Identification of candidate proteases in the generation of soluble RANKL in mammary-tumor induced osteolysis. (2007) The 38th Annual Midwest Student Biomedical Research Forum, Omaha, NE.

Invited Presentations

1. Physical Exam in Evaluation of Spine and Peripheral Nerve Complaints. (2020) 9th Annual Navigating Spine Care, Stanford, CA, USA.
2. A Surgeon's Approach to Schwannomas and Neurofibromas. (2020) Neurofibromatosis Network National Educational Webinar, Stanford, CA, USA.
3. Nerve Repair Techniques: Tools and Tricks. (2019) Stanford Facial Nerve Symposium, Stanford, CA, USA
4. Physical Exam in Evaluation of Spine and Peripheral Nerve Complaints. (2019) 8th Annual Navigating Spine Care, Stanford, CA, USA.
5. Basics of Schwannomas and Neurofibromas: A Surgeon's Perspective. (2019) Stanford Neurofibromatosis Symposium, Stanford, CA, USA

6. Novel Uses of Nerve Transfers. (2018) 9th Annual Bridging Breakthroughs in Neurologic Therapies, Stanford, CA, USA
7. Physical Exam in Evaluation of Spine and Peripheral Nerve Complaints. (2018) 7th Annual Navigating Spine Care, Stanford, CA, USA.
8. An Update on Nerve Reconstruction Options. (2018) 70th Annual San Francisco Neurological Society, Napa, CA, USA.
9. Physical Exam in Spine and Peripheral Nerve Complaints. (2017) 6th Annual Navigating Spine Care, Monterrey, CA, USA.
10. Radiculopathy versus Peripheral Neuropathy: Evaluation, Diagnosis, and Management Options. (2017) 8th Annual Breakthroughs in Neurologic Therapies, San Francisco, CA, USA
11. Surgical Management of Schwannomatosis. (2016) Minnesota Neurofibromatosis Symposium, Rochester, MN, USA.

EDITORIAL BOARDS/SCIENTIFIC REVIEW

Ad Hoc Reviewer

August 2017 – Present	<i>Neurosurgery</i>
February 2018 – Present	<i>Children</i>
February 2018 – Present	<i>World Neurosurgery</i>
December 2018 – Present	<i>Clinical Anatomy</i>
June 2019 – Present	<i>PLoS One</i>
August 2019 – Present	<i>Journal of the American Medical Association (JAMA)</i>
October 2019 – Present	<i>Operative Neurosurgery</i>

Scientific Review Panels

2022	Department of Defense Congressionally Mediated Medical Research Project (CDMRP) Scientific Review Panel
2021	Department of Defense Congressionally Mediated Medical Research Project (CDMRP) Scientific Review Panel

TEACHING

1. Peripheral Nerve Surgery: Techniques and Exposures. Congress of Neurological Surgeons 2021 Annual Meeting. October 16, 2021. Austin, TX, USA.
2. Nerve Transfers v. Grafting for Brachial Plexus Injuries. CNS Virtual Visiting Professor. May 17, 2021. Virtual Presentation.
3. Peripheral Nerve Surgery: Techniques and Exposures. Congress of Neurological Surgeons 2019 Annual Meeting. October 20, 2019. San Francisco, CA, USA.
4. Peripheral Nerve Injuries, Entrapments and Tumors: Examination and Evaluation. American Association of Neurological Surgeons 2019 Annual Scientific Meeting. April 14, 2019. San Diego, CA, USA.
5. Case-based Approaches to Peripheral Nerve Trauma and Other Conditions. Spine Summit 2019. March 15, 2019. Miami, FL, USA.
6. Peripheral Nerve Surgery: Techniques and Exposures. Congress of Neurological Surgeons 2018 Annual Meeting. October 6, 2018. Houston, TX, USA.
7. Peripheral Nerve Disease – Making Sense Out of Neurological Testing. American Association of Neurological Surgeons 2018 Annual Scientific Meeting. April 29, 2018. New Orleans, LA, USA.
8. Peripheral Nerve Injuries, Entrapments and Tumors: Examination and Evaluation. American Association of Neurological Surgeons 2018 Annual Scientific Meeting. April 29, 2018. New Orleans, LA, USA.
9. Peripheral Nerve Tumors. World Federation of Neurosurgical Societies Practical & Hands-on International Course in Peripheral Nerve & Brachial Plexus Surgery. November 3, 2017. Belgrade, Serbia.
10. Evaluation of Peripheral Nerve Patients and Management of Nerve Injuries. World Federation of Neurosurgical Societies Practical & Hands-on International Course in Peripheral Nerve & Brachial Plexus Surgery. November 3, 2017. Belgrade, Serbia.
11. Saphenous Neuropathy: Diagnosis and Management. World Federation of Neurosurgical Societies Practical & Hands-on International Course in Peripheral Nerve & Brachial Plexus Surgery. November 1, 2017. Belgrade, Serbia.
12. Peripheral Nerve Surgical Exposures and Techniques. Congress of Neurological Surgeons 2017 Annual Meeting. October 7, 2017. Boston, MA, USA.

13. Outpatient Work-up of Peripheral Nerve Pathologies: From Common Entrapments to Peripheral Nerve Tumors. American Association of Neurological Surgeons 2017 Annual Scientific Meeting. April 24, 2017. Los Angeles, CA, USA.
14. Peripheral Nerve Surgical Exposures and Techniques. Congress of Neurological Surgeons 2016 Annual Meeting. September 24, 2016. San Diego, CA, USA.