

CURRICULUM VITAE

PHILIP ANDREW UTTER, MD, FAANS

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Education and Training:

- Undergraduate:** **Louisiana State University**
Baton Rouge, Louisiana
Bachelor of Science in Biochemistry and Physiology
Minors in Chemistry and Microbiology
Graduated May 21, 1996
- Medical School:** **University of Mississippi Medical Center**
Jackson, Mississippi
Doctor of Medicine
Magna cum Laude
Graduated May 20, 2000
- Internship:** **Mayo Graduate School of Medicine**
Internal Medicine
Rochester, Minnesota
July 1, 2000 – June 30, 2001
- General Surgery**
Mayo Graduate School of Medicine
Rochester, Minnesota
July 1, 2001 – June 30, 2002
- Residency:** **Mayo Graduate School of Medicine**
Neurosurgery
Rochester, Minnesota
July 1, 2002 – June 22, 2007
- Chief Neurosurgery Resident**
Mayo Graduate School of Medicine
Rochester, Minnesota
June 23, 2007 – June 28, 2008
- Spine Fellowship:** **Cleveland Clinic Foundation**
Orthopedic and Neurosurgery Spine Fellowship
Edward C. Benzel, M.D., Center for Spine Health Director
Robert F. McClain, M.D., Director Spine Surgery Fellowship Program
Cleveland, Ohio
August 1, 2008 – August 1, 2009

Certification:

Board Certified by American Board of Neurological Surgery on May 29, 2013

Hospital Affiliations:

Specialists Hospital Shreveport
Oschner University Health Shreveport
Christus Schumpert Medical Center
Willis-Knighton Medical Center

Professional Affiliations:

American Association of Neurological Surgeons
Congress of Neurological Surgeons
International Society for the Advancement of Spine Surgery
European Association of Neurological Societies
North American Spine Society
AO (Arbeitsgemeinschaft für Osteosynthesefragen) International
Louisiana State University Alumni Association
University of Mississippi Medical Center Alumni Association
Mayo Clinic Alumni Association
Cleveland Clinic Alumni Association
Louisiana Neurosurgical Society
Louisiana Orthopedic Association
Louisiana State Medical Society
Shreveport Medical Society

Awards and Honors:

Howard Hughes Medical Institute Research Grant 1995

McGraw-Hill Award 1997

Alpha Omega Alpha 1998

Raymond A. Alfred Memorial Award 1998

Dean's Award 1998, 1999 and 2000

Maribel Barber Scholarship in Medicine 1999

Phi Kappa Phi 1999

Magnum Cum Laude, University of Mississippi Medical Center 2000

John Houston Wear Foundation Scholarship 2000

J. Robert Snavely Award in Medicine 2000

Department of Surgery Prize 2000

BrainLab Stereotactic Clinical Case Award 2006

Petal School District Academic Hall of Fame 2012

Most Inspirational Athlete Sunrise Triathlon Club 2012

Outstanding Paper: Surgical Science, 27th annual NASS meeting 2012

Certification Exams:

Neurosurgery Oral Boards: completed May 17, 2013

American Board of Spine Surgery Written Boards: completed October 2009

Neurosurgery Written Boards: 99th percentile; completed March 2005

USMLE step 1: 98th percentile; completed May 1998

USMLE step 2: 92nd percentile; completed October 1999

USMLE step 3: 90th percentile; completed May 2000

BLS January 8, 2009

ACLS January 22, 2009

PALS January 29, 2009

ATLS November 30, 2006

EnhanceMed Emergency Room Skills Course August 2001

Licensure:

Louisiana Board of Medical Practice License #202784, 3/31/2009 – current

Ohio Board of Medical Practice License #91820, 2008 – current

Florida Board of Medical Practice License #97025, 9/13/2006 – current

Arizona Board of Medical Practice License #32528, 2/20/2004 – current

Minnesota Board of Medical Practice License #44123, 9/8/2001 – current

International Presentations:

1. Utter PA, Jawahar A, Nunley PD, Coric D, Gordon C, Kerr EJ, Cavanaugh DA. Does total disc arthroplasty in the cervical spine reduce the incidence of symptomatic adjacent segment disease? Analysis from multiple randomized trials. European Association of Neurological Surgeons, Rome, Italy; October 2011
2. Utter A, Nunley PD, Cavanaugh D, Kerr EJ, Frank K, Stone M. One Level and Two Level treatments for Degenerative Disk Disease: Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion. European Association of Neurological Surgeons, Athens, Greece; July 9, 2016

National Presentations:

1. Utter PA, Drazkowski JF, Sirven JI, Bortz JJ, and Zimmerman RS. Bilateral Intracranial EEG changes during the intracarotid sodium amobarbital test. American Epilepsy Society, New Orleans, Louisiana; February 2004
2. Utter PA, Link MJ. Vertebral Artery Injury and Cervical Spine Fractures. The Winter Clinics for Cranial and Spinal Surgery, Snowmass, Colorado; February 2006
3. Utter PA. Vertebroplasty, a single centers first 1000 levels, Evaluation of outcomes and complications. The Winter Clinics for Cranial and Spinal Surgery, Snowmass, Colorado; February 2007
4. Utter PA, Gwinn D, Benzel E, Krishnaney A. Delayed Symptomatic Pleural Effusions Associated with rh-BMP-2 Use in Ventral Thoracic Spine Surgery. AANS – Spine Section, Phoenix, Arizona; March 2009
5. Utter PA. Decision Making in Spine Care Fireside Discussion. The Winter Clinics for Cranial and Spinal Surgery, Snowmass, Colorado; February 2011
6. Cavanaugh DA, Jawahar A, Utter PA, Kerr EJ, Nunley PD. Use of adult mesenchymal stem cell based allograft in anterior lumbar interbody fusion: Clinical evidence of safety and efficacy. 63rd annual meeting of Southern Neurosurgical Society, Amelia Island, Florida; March 2012
7. Nunley P, Cavanaugh D, Kerr E, Utter A, Stone M. Radiographic Adjacent Segment Pathology after Treatment with TDR or ACDF at One or Two Levels. Spine J. 2014, Nov. 14(11): S23 - S24
8. Cavanaugh D, Nunley P, Kerr E, Utter A, Stone M. Adjacent Segment Degeneration Incidence Reduced after Total Disc Replacement Compared with Anterior Discectomy and Fusion for Treatment of One and Two Level Cervical Degenerative Disc Disease: 4-Year Results from an FDA IDE clinical trial. Proceedings of the 30th annual meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 5-8, 2014, Orlando, FL.
9. Utter PA, Nunley PD, Cavanaugh DA, Kerr EJ, Stone M. Heterotopic Ossification and Endplate Coverage in One- and Two- Level TDR Patients: Results from a Randomized, Prospective, Clinical

Trial through Five Years. American Academy of Neurological Surgeons, 79th Annual Meeting. May 4, 2015

10. Nunley P, Cavanaugh D, Kerr E, Utter A, Stone M. Heterotopic Ossification and Endplate Sizing in One-Level CDA Patients: Patient Outcomes from a Randomized, Prospective, Clinical Trial. Proceedings from 15th International Society for the Advancement of Spine Surgery, April 15-17, 2015, San Diego, CA.
11. Nunley P, Cavanaugh D, Kerr E, Utter A, Stone M. Endplate Coverage and Heterotopic Ossification in Two-level CDA Patients from an FDA IDE Randomized, Prospective, Clinical Trial. Proceedings from 15th International Society for the Advancement of Spine Surgery, April 15-17, 2015, San Diego, CA.
12. Cavanaugh D, Nunley P, Kerr E, Utter A, Frank K, Stone M. Comparison of One-Level and Two-Level treatments for Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion. Proceedings from the 67th Southern Neurosurgical Society Annual Meeting. March 2-5, 2016, San Antonio, Texas
13. Cavanaugh D, Nunley P, Kerr E, Utter A, Frank K, Stone M. One-Level versus Two-Level treatments for Cervical Degenerative Disc Disease using Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion. Proceedings from the 41st Louisiana Neurosurgical Society Annual Meeting. January 15-17, 2016, New Orleans, LA.
14. Cavanaugh D, Nunley P, Kerr E, Utter A, Frank K, Stone M. Preoperative Predictors of Patient Outcomes at 60 Months Following Single Level Cervical Surgery with CDA or ACDF. Proceedings from the 84th AANS Scientific Meeting, April 30-May 4, 2016, Chicago, IL.
15. Cavanaugh D, Nunley P, Kerr E, Utter A, Frank K, Stone M. Comparison of One-Level and Two-Level treatments for Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion. Proceedings from the 84th AANS Scientific Meeting, April 30-May 4, 2016, Chicago, IL.
16. Nunley P, Kerr E, Cavanaugh D, Utter A, Frank K, Stone M. Factors Predictive of Return to Work Time after Cervical Disc Arthroplasty and ACDF: A Multivariable Analysis. Proceedings from 16th International Society for the Advancement of Spine Surgery, April 6-8, 2016, Las Vegas, NV.
17. Utter PA. Radiation in Spine Surgery: Should We Be Concerned? February 1, 2018, Selby Spine Meeting, Park City, UT
18. Utter PA. Intraoperative Protocols to Reduce Complications. February 2, 2019, Selby Spine Meeting, Park City, UT
19. Utter PA. Cervical Radiculopathy: Arthroplasty. February 1, 2019, Selby Spine Meeting, Park City, UT
20. Utter PA Spine Summit 2019 - 35th Annual Meeting of the Section on Disorders of the Spine and Peripheral Nerves. March 14, 2019 Miami Beach, FL
21. Nunley, PD., Coric, D., Gordon, C., Kerr, E., Cavanaugh, DA., Utter, A., Campbell, P., Wadhwa, R., Van Schouwen, K., Stone, MB. Long-Term Radiological and Clinical Outcomes for Adjacent Segment Pathology Following Cervical Disc Arthroplasty: Average of 9 Year Follow Up. Cervical Spine Research Society (CSRS), 2020, Virtual.

22. Cavanaugh, DA., Nunley, PD., Kerr, EJ., Utter, PA., Campbell, P., Wadhwa, RK., Frank, KA., Marshall, K., Stone, MB. Radiographic and Clinical Adjacent Segment Pathology Following Cervical Total Disc Replacement or Anterior Cervical Discectomy and Fusion Through 7-Year Follow-Up. Louisiana Neurological Society (LANS), 2020, New Orleans, LA. Noriega, D., Loenen, A., Nunley, PD., Noailly, J., Ito, K., van Rietbergen, B. Analysis of the Segmental and Adjacent Level Impacts of Forcing the Connection of Misaligned Pedicle Screws and Rods and Subsequent Unintended Forces Applied to the Construct and Spine: A Finite Element Analysis (Poster). North American Spine Society (NASS), 2020, San Diego, CA.
23. Utter, PA. Complications in spine surgery: Classification, Prevalence, and Impact Clinically Relevant Information from the Current Literature. Selby Spine, 2020, Park City, UT.
24. Cavanaugh, D., Nunley, P., Kerr, E., Utter, PA., Campbell, P., Wadhwa, R., Frank, K., Stone, M. Seven-Year Follow-up of Radiographic and Clinical Adjacent Segment Pathology After Cervical Total Disc Replacement or Anterior Cervical Discectomy and Fusion. Society of Neurological Surgeons (SNS), 2020, Philadelphia, PA.

Local Presentations:

1. Utter PA, Dixon GR. Brain Abscess: Predictive factors for successful outcome with non-operative management. Neurosurgery Grand Rounds, Mayo Clinic Rochester, Minnesota; August 2001
2. Utter PA, Boston US. Evaluation and Management of the Liver Abscess. The Donald Church Balfour Visiting Professor Seminar. Mayo Clinic Rochester, Minnesota; October 2001
3. Utter PA, Friedman JA. Scalp Lesions and Osseous Tumors of the Skull. Neurosurgery Grand Rounds, Mayo Clinic Rochester, Minnesota; March 2002
4. Utter PA. Evaluation and Management of Pituitary Apoplexy. Neurosurgery Grand Rounds, Mayo Clinic Rochester, Minnesota; May 2003
5. Utter PA, Link MJ. Management and Outcomes of Vestibular Schwannomas in Neurofibromatosis type 2. Neurology and Neurosurgery Grand Rounds, Mayo Clinic Rochester, Minnesota; August 2003
6. Utter PA. Acute Cerebral Infarction: Presentation, Etiology, and Pathology. Core Curriculum conference. Department of Neurosurgery, Mayo Clinic Rochester, Minnesota; September 2003
7. Utter PA, Drazkowski JF, Sirven JI, Bortz JJ, Zimmerman RS. Tailored Epilepsy Surgery in Patients with Sign Language. Neurology Grand Rounds, Mayo Clinic Scottsdale, Arizona; March 2004
8. Utter PA, Raffel CR. Once a Shunt, Always a Shunt: The Role of Third Ventriculostomy. Neurology and Neurosurgery Grand Rounds, Mayo Clinic Rochester, Minnesota; April 2004
9. Utter PA, Marsh WR. Surgical Management of Focal Cortical Dysplasia, Neurology and Neurosurgery Grand Rounds, Mayo Clinic Rochester, Minnesota; September 15, 2004

10. Utter PA, Layton KF, Thielen KR, Cloft H, and Kallmes DF. Vertebroplasty: The First 1000 Cases at the Mayo Clinic. Spine Conference, Mayo Clinic Rochester, Minnesota; May 2006
11. Utter PA. Management of Cervical Spine Fractures and Spinal Cord Injury at the Mayo Clinic. Mayo Clinic Rochester, Minnesota; July 2006
12. Utter PA. Clinical Research Training Program at the Mayo Clinic Rochester, Minnesota; November 2006
13. Utter PA. Fusion for Low Back Pain, Mayo Clinic Rochester, Minnesota; April 2008
14. Utter PA. On and Off-Label rh-BMP-2 Use in Spine Surgery, Neurosurgery Grand Rounds, Cleveland Clinic Foundation, Cleveland, Ohio; December 2008
15. Utter PA, Anderson ML. Predicting Spinal Fractures using Quantitative Computerized Tomography. Patrick Kelly Visiting Professor Research Symposium, Mayo Clinic Rochester, Minnesota; November 2006
16. Utter PA. Treatment Strategies for Spinal Metastasis, Shreveport, Louisiana; December 2009.
17. Utter PA. Practical Management of the Ventriculostomy Drain. Christus Schumpert St. Mary's Hospital, Shreveport, Louisiana; March 2010
18. Utter PA. Conservative Treatment Options and Interventional Procedures for Spine Disorders. Louisiana State University Health Sciences Center, Shreveport, Louisiana; October 2010.
19. Utter PA. The Influence of Sagittal Balance on Low Back Pain, Green Clinic, Ruston, Louisiana; June 2010.
20. Utter PA. Spine Tumors: Primary and Metastatic. Louisiana State University Health Sciences Center, Shreveport, Louisiana; January 2011.
21. Utter PA. Cervical Spondylosis, Myelopathy and Radiculopathy. Louisiana State University Health Sciences Center, Shreveport, Louisiana; March 2011.
22. Utter PA. Lumbar Fusion Guidelines. Louisiana State University Health Sciences Center, Shreveport, Louisiana; March 2012.
23. Utter PA. Cervical spine fractures and Management of Spinal Cord Injury. Louisiana State University Health Sciences Center, Shreveport, Louisiana; September 2012.
24. Utter PA. Management and Classification of Thoracolumbar Fractures. Louisiana State University Health Sciences Center, Shreveport, Louisiana; January 2013,
25. Utter PA. Management Strategies for Common Degenerative Lumbar Spine Conditions. Louisiana State University Health Sciences Center, Shreveport, Louisiana; August 13, 2013.
26. Utter PA. Sports related concussion and closed head injury. Spine Institute of Louisiana, Shreveport, Louisiana; May 19, 2016.

27. Utter PA. NASS Update. Spine Institute of Louisiana, Shreveport, LA November 3, 2016
28. Utter PA. Evaluation and Management Coding 101. Spine Institute of Louisiana, Shreveport, LA June 7, 2018

Posters:

1. Utter PA, Draskowski JF, Sirven JI, Bortz JJ, Zimmerman RS. Bilateral Intracranial EEG changes during the intracarotid sodium amobarbital test. American Epilepsy Society, New Orleans, Louisiana; February 2004
2. Patrick TA, Utter PA, Raposo JM, Huddleston PM, Dekutoski MB, Krauss WE. Posterior Percutaneous Instrumentation for Immobilization and Stabilization of Active Thoracolumbar Spondylodiskitis. Congress of Neurological Surgeons, Chicago, IL; October 2006
3. Utter PA, Patrick TA, Raposo JM, Rampersaud RY, Huddleston PM, Krauss WE, Dekutoski MB. Use of Minimally Invasive Surgical Techniques in the Management of Thoracolumbar Fractures. Congress of Neurological Surgeons, Chicago, IL; October 2006
4. Patrick TA, Bledsoe JM, Utter PA, and Krauss WE. Long-Term Surgical Outcomes of Spinal Cord Herniation. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, Arizona; March 2007
5. Patrick TA, Bledsoe JM, Utter PA, Krauss WE. Treatment and Surgical Outcomes of Neurologically Symptomatic C1/2 Synovial Cysts. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, Arizona; March 2007
6. Utter PA, Jelsing EJ, Anderson ML, Patrick TA, Cunniff JE, Maus T, Basford J, Yaszemski MJ, Kaufman KR. Lumbar Spine Stabilization with a Lumbosacral Orthosis. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, Arizona; March 2007
7. Anderson ML, Larson A, Utter PA, Berger RA, Moran SL, Cooney WP, Amrami KK. Magnetic Resonance Imaging Comparison of Arthroscopic and Open Repair of the Triangular Fibrocartilage Complex Tears of the Wrist. Joint Annual Meeting ISMRM-ESMRMB, Berlin, Germany; May 2007
8. Morel EP, Utter PA, Larson D, Shaw M, Berglund L, Zhao K, Gay R, Krauss WE, An KN. Biomechanical Effects of Transverse Connectors on a Cervical Spine Rod-Screw construct. An In Vitro Human Cadaveric Study. 2009 SRS Annual Meeting in San Antonio, Texas; September 2009
9. Jawahar A, Cavanaugh DA, Utter PA, Kerr ER, Morgan SA, Youssef JA, Caldito G, Gordon CR, Nunley PD. Total Disc Replacement versus ACDF in Cervical Spine: Analysis of Primary Outcomes and Symptomatic Adjacent Segment Disease from Multiple Randomized Trials. 2012 CNS Annual Meeting in Chicago, Illinois; October 6, 2012

10. Utter A, Nunley PD, Cavanaugh D, Kerr EJ, Frank K, Stone M. Radiographic Adjacent Segment Pathology after Treatment with CDA or ACDF at One or Two Levels. European Association of Neurological Surgeons October 2016
11. Utter A, Nunley PD, Cavanaugh D, Kerr EJ, Frank K, Stone M. Radiographic Adjacent Segment Pathology after Treatment with CDA or ACDF at One or Two Levels. European Association of Neurological Surgeons, Athens, Greece; July 2016.
12. Utter A, Nunley PD, Cavanaugh D, Kerr EJ, Frank K, Stone M. One Level and Two Level treatments for Degenerative Disk Disease: Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion. European Association of Neurological Surgeons, Athens, Greece; July 2016.

Clinical Research Studies:

1. **Intinsic:** Prospective Evaluation of Lumbar Discectomy with Additional Implantation of an Annular Closure Device in Patients with Large Postsurgical Annular Defects for Prevention of Lumbar Disc Reherniation.
2. **Providence:** Safety and Effectiveness of Posterior Cervical Stabilization System (PCSS) as an adjunct to posterior cervical fusion, when used in combination with ACDF in the treatment of multi-level cervical degenerative disease.
3. **Centinel Spine:** A Multi-Center, Prospective, Randomized Controlled Trial Comparing the Safety and Effectiveness of Prodisc® C SK and Prodisc® C Vivo to Mobi-C® Cervical Disc in the Treatment of Two-Level Symptomatic Cervical Disc Disease.
4. **Kuros:** A Prospective, randomized, controlled, single-blind, dose-finding, multi-Center, parallel group study of the safety and efficacy of KUR-113 Bone Graft (TGpIPTH1-34 in fibrin) versus local autograft for the treatment of patients undergoing single-level transforaminal lumbar intrbody fusion.
5. **Fziomed:** Confirmatory Clinical Study to support the effectiveness and safety of Oxiplex® for the reduction of pain and symptoms following lumbar surgery.
6. **Paradigm Spine:** Clinical Investigation Plan for Post Approval 'Real Conditions of Use' Study, A 2 and 5 year comparative evaluation of clinical outcomes in the treatment of degenerative spinal stenosis with concomitant low back pain by decompression with and without additional stabilization using the coflex Interlaminar Technology for FDA real conditions of use study.
7. **DiscGenics:** A Prospective, Randomized, Double-Blinded, Vehicle- and Placebo Controlled, Multicenter Study to Evaluate the Safety and Preliminary Efficacy of IDCT in Subjects with Single-Level, Symptomatic Lumbar Intervertebral Disc Degeneration.
8. **Orthofix:** A Multi-Center, Open-Label Prospective Study of CervicalStim device™ as Adjunctive Treatment following Cervical Fusion.
9. **Orthofix:** A Multi-Center, Open-Label, Prospective Study of SpinalStim™ (MOP-SS) as Adjunctive Care following Lumbar Fusion Surgery.

10. **Orthofix:** A Prospective, Post Market, Multi-center, Open Label, Non Randomized Clinical Study of the Efficacy of using Trinity ELITE® in Lumbar Fusion Surgery
11. **Spineology:** The Rampart Duo Clinical (RaDical) Study: An Exempt Minimal Risk Post-Market Evaluation of Clinical Outcomes for a Novel Hybrid Device in Instrumented Lateral Lumbar Interbody Fusion.
12. **Simplify Medical, Inc:** Clinical Study Protocol for the Investigation of the Two Level Simplify Cervical Artificial Disc.
13. **Veriflex, Inc:** A 2 and 5 year comparative evaluation of clinical outcomes in the treatment of moderate lumbar spinal stenosis with the Superior.
14. **Mesoblast Ltd:** A Prospective, Multicenter, Randomized, Double-blind, Placebo controlled Study to Evaluate the Efficacy and Safety of a Single Injection of rexlimestrocel-L Alone or combined with Hyaluronic Acid (HA) in Subjects with Chronic Discogenic Lumbar Back Pain Through 12 Months.
15. **Pfizer:** A Phase 2B, Randomized, Double-Blind, Placebo Controlled study to Evaluate the Safety And Efficacy of Staphylococcus Aureus 4-Antigen Vaccine (SA44Ag) in Adults undergoing elective Posterior Instrumented Lumbar Spinal Fusion Procedures.
16. **Organogenesis, Inc:** A Single-arm, Prospective, Multi-center Study of Nucel® in Patients Receiving Interbody Fusion for One and Two Level Degenerative Disease of the Lumbar Spine.
17. **K2M, Inc:** A Comparison of Complication Rates between Lateral Approaches to the Lumbar Spine: K2M RAVINE® Far Lateral System versus NuVasive XLIF®.
18. **Simplify Medical, Inc:** Clinical Study Protocol for the Investigation of the Simplify™ Cervical Artificial Disc.
19. **Simplify Medical, Inc:** Clinical Study Protocol for the Investigation of the 2 Level Simplify™ Cervical Artificial Disc.
20. **Spinal Kinetics:** Prospective, Concurrently Controlled, Multi-Center Study to Evaluate the Safety and Effectiveness of the Spinal Kinetics™ M6-C Artificial Cervical Disc Compared to Anterior Cervical Discectomy and Fusion (ACDF) for the Treatment of Symptomatic Cervical Radiculopathy.
21. **Premia Spine, Inc:** A Clinical Study to Assess the Safety and Effectiveness of the Premia Spine TOPS System.
22. **SI-Bone, Inc:** INSITE: Investigation of Sacroiliac Fusion Treatment.
23. **Seikagaku Corporation:** A Multicenter, Open-label Study of SI-6603 in Patients with Lumbar Disc Herniation (Phase III).
24. **Seikagaku Corporation:** A Multicenter, Randomized, Double-blind, Controlled, Comparative Study of SI-6603 in Patients with Lumbar Disc Herniation (Phase III).

25. **Globus Medical:** The Investigational Plan for the Evaluation of the ACADIA™ Facet Replacement System.
26. **Trevena, Inc:** A phase 3, open-label study to evaluate the safety of Oliceridine (TRV130) in patients with acute pain for which parenteral opioid therapy is warranted.
27. **Pacira Pharmaceuticals, Inc:** A prospective, non-randomized safety and efficacy study of patients receiving EXPAREL® for Treatment of Post-Operative Pain in the Cervical Spine
28. **Medtronic:** Treatment of Lumbar Spinal Stenosis with X-STOP® PEEK Spacer in Moderately Symptomatic Patients.
29. **NuTech Medical, Inc:** A non-randomized safety and efficacy study of patients receiving Nucel® bone graft for one or two level interbody fusion for degenerative disease of the lumbar spine. (Nucel-03)

Abstracts:

1. Pollock BE, Stafford SL, Utter PA, Giannini C, Schreiner SA. Radiosurgery is equivalent to complete tumor resection (Simpson Grade 1) for patients with small to medium sized meningiomas. American Association of Neurological Surgery, Philadelphia, Pennsylvania; September 2002
2. Utter PA, Drazkowski JF, Sirven JJ, Bortz JJ, Zimmerman RS. Bilateral Intracranial EEG changes during the intracarotid sodium amobarbital test. American Epilepsy Society, New Orleans, Louisiana; December 2004
3. Utter PA, Link MJ. Vertebral Artery Injury and Cervical Spine Fractures. The Winter Clinics for Cranial and Spinal Surgery, Snowmass, Colorado; February 2006
4. Patrick TA, Utter PA, Raposo JM, Huddleston PM, Dekutoski MB, Krauss WE. Posterior Percutaneous Instrumentation for Immobilization and Stabilization of Active Thoracolumbar Spondylodiskitis. Congress of Neurological Surgeons, Chicago, Illinois; October 2006
5. Utter PA, Patrick TA, Raposo JM, Rampersaud RY, Huddleston PM, Krauss WE, Dekutoski MB. Use of Minimally Invasive Surgical Techniques in the Management of Thoracolumbar Fractures. Congress of Neurological Surgeons, Chicago, Illinois; October 2006
6. Patrick TA, Bledsoe JM, Utter PA, Krauss WE. Long-Term Surgical Outcomes of Spinal Cord Herniation. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, Arizona; March 2007
7. Patrick TA, Bledsoe JM, Utter PA, Krauss WE. Treatment and Surgical Outcomes of Neurologically Symptomatic C1/2 Synovial Cysts. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, Arizona; March 2007
8. Utter PA, Jelsing EJ, Anderson ML, Patrick TA, Cunniff JG, Maus T, Basford J, Yaszemski MJ, Kaufman KR. Lumbar Spine Stabilization with a Lumbosacral Orthosis. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, Arizona; March 2007

9. Anderson ML, Larson A, Utter PA, Berger RA, Moran SL, Cooney WP, Amrami KK. Magnetic Resonance Imaging Comparison of Arthroscopic and Open Repair of the Triangular Fibrocartilage Complex Tears of the Wrist. Joint Annual Meeting ISMRM-ESMRMB, Berlin, Germany; May 2007
10. Utter PA, Layton K, Thielen K, Wald J, Cloft H, Kallmes D. Vertebroplasty, a Single Center's First 1000 Levels: Evaluation of the Outcomes and Complications. The Winter Clinics for Cranial and Spinal Surgery, Snowmass, Colorado; February 2007
11. Utter PA, Jawahar A, Nunley PD, Coric D, Gordon C, Kerr EJ, Cavanaugh DA. Does Total Disc Arthroplasty in cervical spine reduce the incidence of symptomatic adjacent segment disease? Analysis from multiple randomized trials. Podium, 14th European Congress of Neurosurgery, Rome, Italy; October 9-14, 2011
12. Jawahar A, Nunley PD, Coric D, Gordon C, Kerr EJ, Cavanaugh DA, Utter PA. Computerized tomographic assessment of arthrodesis following anterior lumbar interbody fusion using osteoinductive stem-cells allografts. 12th annual conference of the American College of Spine Surgeons, Las Vegas, Nevada; June 2011
13. Jawahar A, Nunley PD, Coric D, Gordon C, Kerr EJ, Cavanaugh DA, Utter PA. Consideration of Patient-Related Demographic Factors in Choosing the Anterior Procedure (ACDF or TDR) for the Surgical Management of Cervical Disc Disease. 12th annual conference of the American College of Spine Surgeons, Las Vegas, Nevada; June 2011
14. Cavanaugh DA, Jawahar A, Gordon C, Utter PA et al. Total Disc Replacement Results in Better Long Term Clinical Outcomes for Middle-Aged Patients with Two-Level Cervical Disc Disease. Podium, Annual Meeting of Congress of Neurological Surgeons, Washington DC; October 2-6, 2011
15. Cavanaugh DA, Jawahar A, Kerr EJ, Utter PA, Nunley PD. Factors affecting the choice of procedure (TDR vs. ACDF) for cervical radiculopathy: Analysis of 3-7 years follow-up from 4 randomized controlled trials. Louisiana Neurosurgical Society, Shreveport, Louisiana; January 17, 2012
16. Cavanaugh DA, Jawahar A, Utter PA, Kerr EJ, Nunley PD: Use of adult mesenchymal stem cell based allograft in anterior lumbar interbody fusion: Clinical evidence of safety and efficacy. 63rd annual meeting of Southern Neurosurgical Society, Amelia Island, Florida; March 2012
17. Ajay Jawahar, Nunley PD, Cavanaugh DA, Gordon CR, Kerr EJ, Utter PA. Adjacent Segment Disease After Cervical Total Disk Replacement: Clinical and Radiological Evidence after Four to Seven Years Follow Up. *The Spine Journal* 12(9S): 63S. September 2012
18. Outstanding Paper: Surgical Science. Pierce D. Nunley, Jawahar A, Cavanaugh DA, Gordon C, Kerr EJ, Utter PA. Symptomatic Adjacent Segment Disease Following Cervical Total Disk Replacement: Reexamining the Clinical and Radiological Evidence with Established Criteria. *The Spine Journal* 12(9S): 25. September 2012.

Publications:

1. Pollock BE, Stafford SL, Utter A, Giannini C, and Schreiner SA. Stereotactic radiosurgery provides equivalent tumor control to Simpson Grade 1 resection for patients with small to medium sized meningiomas. *International Journal of Radiation Oncology* 55(4): 1000-1005, 2003.
2. Truty MJ, Stulak JM, Utter PA, Solberg JJ, Degnim AC. Appendicitis after appendectomy. *Archives of Surgery* 143(4): 413-5, 2008.
3. Anderson ML, Utter PA, Szatkowski JP, Turner N, Dekutoski MB. Diagnostic Evaluation and Management of Cervical Spine Trauma: A Tiger Attack Case Report. *Orthopedics* 31(12), Dec 2008.
4. Utter PA. Masqueraders: Brachial Plexopathies. Cleveland Clinic Center for Spine Health, *Spinal Column*: 10-12; Spring 2009
5. Dekutoski MB, Hayes ML, Utter P, Szatkowski JP, Port JD, Wald JT, Inwards CY, and Fehlings MG. Pathologic Correlation of Posterior Ligamentous Injury with Magnetic Resonance Imaging. *Orthopedics* 33(1): 53, Jan 2010.
6. Utter A, Anderson ML, Cunniff JG, Kaufman KR, Jelsing EJ, Patrick TA, Magnuson DJ, Maus TP, Yaszemski MJ. Video fluoroscopic analysis of the effects of three commonly prescribed off the shelf orthoses on vertebral motion. *Spine* 35(12): E535-9; 20 May 2010.
7. Shaw MN, Morel EP, Utter PA, Gussous YM, Ginoux L, Berglund LF, Gay RE, Krauss WE. Transverse connectors providing increased stability to the cervical spine rod-screw construct: an in vitro human cadaveric study. *Journal of Neurosurgery - Spine* 14(6): 719-25, June 2011.
8. Nunley PD, Jawahar A, Cavanaugh DA, Gordon CR, Kerr EJ, Utter PA. Symptomatic adjacent segment disease after cervical total disk replacement: re-examining the clinical and radiological evidence with established criteria. *The Spine Journal* 13(1): 5-12; 11 Jan 2013.
9. Cavanaugh DA, Utter PA, Jawahar A, Harper JA, Nunley PD. Intramedullary space occupying lesion of the spinal cord: when magnetic resonance imaging is not possible. *The Spine Journal* 13(2): 206-207; February 2013
10. Rapp, Susan; Utter, PA. Adequate endplate coverage by cervical disc prosthesis may reduce the risk of HO. *Spine Surgery Today* November/December 2015.
11. Nunley PD, Kerr EJ 3rd, Utter PA, Frank KA, Moody D, McManus B, Stone MB. Preliminary Results of Bioactive Amniotic Suspension with Allograft for Achieving One and Two-Level Lumbar Interbody Fusion. *International Journal of Spine Surgery* 10(12): Published Online. April 2016.
12. Nunley PD, Kerr EJ 3rd, Cavanaugh DA, Utter PA, Campbell PG, Wadhwa R, Frank KA, Marshall KE, & Stone MB. Adjacent Segment Pathology After Treatment With Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion, Part 1: Radiographic Results at 7-Year Follow-Up. *Int J Spine Surg.* 2020;14(3):269-277. Published 2020 Jun 30. doi:10.14444/7036
13. Nunley PD, Kerr EJ 3rd, Cavanaugh DA, Utter PA, Campbell PG, Wadhwa R, Frank KA, Marshall KE, & Stone MB. Adjacent Segment Pathology After Treatment With Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion, Part 2: Clinical Results at 7-Year Follow-Up. *Int J Spine Surg.* 2020;14(3):278-285. Published 2020 Jun 30. doi:10.14444/7037

14. Campbell PG, Cavanaugh DA, Nunley P, Utter PA, Kerr E, Wadhwa R, Stone M. PEEK versus titanium cages in lateral lumbar interbody fusion: a comparative analysis of subsidence. *Neurosurg Focus*. 2020;49(3):E10. doi:10.3171/2020.6.FOCUS20367

Book Chapters:

1. Chaudhary S and Utter PA. Dorsal Laminoforaminotomy. *Spine Surgery: Techniques, Complication Avoidance, and Management, 3rd Edition*. Edward C. Benzel, editor; 2012.
2. Utter PA and Benzel EC. Controversies in Spine Surgery: Ventral Cervical Corpectomy and Fusion: Not to Plate. *Spine Surgery: Techniques, Complication Avoidance, and Management, 3rd Edition*. Edward C. Benzel, editor; 2012.

Continuing Medical Education:

Total Hours 2020: 74.25 Hours Accredited	
Selby Spine Meeting Park City, UT January 29 - February 1, 2020	14.5
Virtual Experience 2020 Annual Meeting on demand North American Spine Society October 9, 2020	49.75
Handoffs from OR to ICU LAMMICO/Medical Interactive October 29, 2020	0.5
Dismissing a Patient LAMMICO/Medical Interactive October 29, 2020	1.5
Recognizing and Reporting Human Trafficking in Florida NetCE December 30, 2020	2
Strategies for Appropriate Opioid Prescribing NetCE December 30, 2020	2
Human Trafficking Training Florida December 30, 2020	2
Preventing Medical Errors Florida December 30, 2020	2

Total Hours 2019: 115.5 Hours Accredited	
Guidelines for Prescribing Controlled Substances and Addressing Opioid Abuse Florida Medical Licensure Program January 24, 2019	3
Medical Error Reduction and Prevention & A Clinician's Guide to Intimate Partner Violence Florida Medical Licensure Program January 25, 2019	3
Prescriber Education for Extended Release and Long Acting Opioid Analgesics Arizona Medical Licensure Program January 26, 2019	3
Reducing Diagnostic Errors in Medicine Arizona Medical Licensure Program January 26, 2019	12
Selby Spine Meeting Park City, UT January 31 - February 2, 2019	14

Herbal Medications: An Evidenced Based Review NetCE February 9, 2019	10
Practical Neuroradiology: Excellence through Evidence and Guidelines Whistler, BC, Canada February 10 - 14, 2019	22
Best Practices for Prescribing Controlled Substances 2019 Louisiana Medical Licensure Program February 27, 2019	3
North American Spine Society, 34 th Annual Meeting Chicago, IL September 25 - 28, 2019	29
Practitioner Diversion Awareness Conference New Orleans, LA October 21, 2019	6.5
Human Subject Research Biomedical Refresher Albert Einstein College of Medicine (online) November 30, 2019	6
Good Clinical Practice for Clinical Trials with Investigational Drugs and Medical Devices - FDA Albert Einstein College of Medicine (online) November 30, 2019	4

Total Hours 2018: 41 Hours Accredited + 8 Hours Non-Accredited	
Louisiana Neurosurgical Society Meeting Shreveport, LA January 12-13, 2018	6
Selby Spine Meeting Park City, UT January 31 - February 3, 2018	12.5
Strategies. Assessment. Fundamentals. Education. (SAFE) Opioid Prescribing American College of Physicians March 6, 2018	3.5
Louisiana Act 76. Controlled Substances: Prescribing, Diversion Prevention and Addiction Treatment LAMMICO May 31, 2018	3
Anterior Solutions to the Lumbar Spine - Johnson & Johnson Institute Boston, MA June 2, 2018	8*
Surgical Checklists and Patient Outcomes – What is the Verdict? LAMMICO November 13, 2018	1
Alzheimer Disease NetCE December 24, 2018	15

Total Hours 2017: 117 Hours Accredited + 9 Hours Non-Accredited	
Selby Spine Meeting Park City, UT February 1 - 4, 2017	11
Vertiflex Superior Training Shreveport, LA March 14, 2017	3*
Root Cause Analysis for Reducing Medical Errors InforMed, Florida License CME Course January 23, 2017	2
Reducing Errors in Diagnostic Medicine InforMed, Florida License CME Course January 23, 2017	12
A Clinician's Guide to Intimate Partner Violence InforMed, Florida License CME Course January 23, 2017	2
Premia Posterior Arthroplasty (TOPS) Training Shreveport, LA April 3, 2017	3*
Neurosurgery Knowledge Update	15

Shreveport, LA April 8, 2017	
Congress of Neurological Surgeons Boston, MA October 7-11, 2017	41
LAMMICO Managing Physician Stress, Preventing Burnout Shreveport, LA October 20, 2017	1
LAMMICO Who Heals the Healer? Improving Physician Health and Quality of Care Shreveport, LA October 20, 2017	1
Good Clinical Practice and ICH Collaborative Institutional Training Initiative	3*
Human Subjects Research – Biomedical Refresher University of Miami Miller School of Medicine (online) October 20, 2017	3
Medical Error Prevention and Root Cause Analysis Florida NetCE October 21, 2017	2
Domestic Violence: The Florida Requirement Florida NetCE October 21, 2017	1
Irritable Bowel Syndrome Florida NetCE October 21, 2017	10
Optimizing Opioid Safety and Efficacy Florida NetCE October 21, 2017	15

Total Hours 2016: 45 Hours Accredited + 9 Hours Non-Accredited	56
The Winter Clinics for Cranial and Spine Surgery Snowmass, CO February 21 - 25, 2016	25
Spineology Clinical Outcomes Trial (SCOUT) Training Shreveport, LA July 6, 2016	1*
Simplify Disc IDE Training Shreveport, LA April 21, 2016	1*
Congress of the European Association of Neurological Surgeons Athens, Greece September 7, 2016	8*
North American Spine Society, 31 st Annual Meeting Boston, MA October 26 - 29, 2016	20
LAMMICO Sports Concussion and Closed Head Injury Shreveport, LA November 8, 2016	1
LAMMICO Neurosurgery Risks and Claims Shreveport, LA November 8, 2016	1

Total Hours 2015: 86.25 Hours Accredited	86.25
Spine Complications Course Lake Tahoe, California January 26 - 28, 2015	21.75
The Winter Clinics for Cranial and Spine Surgery Snowmass, CO February 22 - 26, 2015	25
American Academy of Neurological Surgeons, 79 th Annual Meeting Washington DC May 2 - 4, 2015	18
Congress of Neurological Surgeons New Orleans, Louisiana September 26 - 30, 2015	19.5

LAMMICO Managing Physician Stress, Preventing Burnout Shreveport, LA November 1, 2014	1
LAMMICO Diagnostic Error and Claims: Reducing the Risk Shreveport, LA November 1, 2014	1

Total Hours 2014: 33.5 Hours Accredited + 12 Hours Non-Accredited	45.5
39 th Annual Louisiana Neurosurgery Society Meeting Baton Rouge January 17-18, 2014	5*
The Winter Clinics for Cranial and Spine Surgery Snowmass, CO February 23 - 27, 2014	10.0
Neuroradiology: Practice to Innovation Mayo Clinic December 29, 2014	21.5
OLIF Visiting Surgeon Program, Mark Beckner, MD Winter Park, FL July 23, 2014	5*
Zyga Symmetry Training Shreveport, LA August 12, 2014	1*
Mobi C Training Shreveport, LA September 22, 2014	1*
LAMMICO CT Radiation Dosing Shreveport, LA November 1, 2014	1
LAMMICO EMTLA for Physicians Shreveport, LA November 1, 2014	1

Total Hours 2013: 71 Hours Accredited + 12.5 Hours Non-Accredited	83.5
Medical Errors Prevention and Root Cause Analysis Online CME Resource January 9, 2013	2
Domestic Violence: The Florida Requirement Online CME Resource January 9, 2013	2
The Winter Clinics for Cranial and Spine Surgery Snowmass, CO February 20 - 24, 2013	25.0
Goodman Oral Board Preparation Course Houston, TX May 12-14, 2013	28
iFuse Implant System Spine Surgeon Training Program Spine Institute of Louisiana July 11, 2013	4*
CoFlex Training Program Spine Institute of Louisiana August 5, 2013	1.5*
GCP for Clinical Trials with Investigational Drugs and Medical Devices – U.S. FDA Focus University of Miami Leonard M. Miller School of Medicine November 1, 2013	6
LAMMICO Diagnostic Errors in Stroke November 1, 2013	1
LAMMICO Diagnostic Errors in Dizziness November 1, 2013	1
Human Subjects Research Basic Course University of Miami Leonard M. Miller School of Medicine November 8, 2013	6
Ironman Arizona Medical Support	7*

Tempe, AZ November 16-17, 2013	
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Total Hours 2012: 111.47 Hours Accredited + 5 Hours Non-Accredited	116.47
Louisiana Neurosurgical Society, 37 th Annual Meeting Shreveport, LA January 13-14, 2012	5*
The Winter Clinics for Cranial and Spine Surgery Snowmass, CO February 20 - 24, 2012	25.0
63 rd Annual Meeting of Southern Neurological Society Amelia Island, GA March 28-31, 2012	11.75
Comprehensive Review of Neurosurgery Oakstone Institute, Directed by Edward R. Laws, MD	30.72
Congress of Neurological Surgeons, 2012 Annual Meeting Chicago, Illinois October 6-10, 2012	25.5
North American Spine Society, 27 th Annual Meeting Dallas, TX October 24-27, 2012	15.5
CPOM training Christus Health Shreveport, Louisiana December 31, 2012	3

Total Hours 2011: 87.25 Hours Accredited + 28 Hours Non-Accredited	115.25
Endoscopic Carpal Tunnel Release Clinical Tutorial UT Health Sciences Center, San Antonio, TX with David Jimenez, M.D., F.A.C.S.	8*
The Winter Clinics for Cranial and Spine Surgery Snowmass, CO February 27-March 3, 2011	25.5
American Academy of Neurological Surgeons, 79 th Annual Meeting Denver, CO April 9-13, 2011	24
Cleveland Clinic Spine Review Cleveland, Ohio July 13-19, 2011	34
Medical Error Prevention and Root Cause Analysis Online Certification September 15, 2011	2
European Association of Neurosurgical Societies, 14 th European Congress of Neurosurgery Rome, Italy October 9-14, 2011	20*
LAMMICO Diagnostic Error in Radiology: Reducing the Risk Online Course October 28, 2011	1.5
LAMMICO Prescribing Controlled Substances Online Course October 28, 2011	0.25

Total Hours 2010: 90.75 Hours Accredited + 32 Hours Non-Accredited	122.75
Louisiana State Board of Medical Examiners: Board Orientation New Orleans, LA April 20-21, 2010	4.5
Stryker Advanced Techniques in Deformity Correction Las Vegas, NV April 22-23, 2010	8*
Advanced Cervical Solutions with Prodisc-C Training Program Denver, CO April 24, 2010	8*
Prodisc- L Surgeon Education Program Denver, CO April 25, 2010	8*

Goodman Oral Board Preparation Course Houston, TX May 16-18, 2010	28
Stryker Minimally Invasive Spine Surgery Course Seattle, WA July 30-31, 2010	8*
Established Office Visit E/M Coding Course Online University of Colorado August 2, 2010	2
North American Spine Society, 25 th Annual Meeting Orlando, FL October 5-9, 2010	27.25
LAMMICO Why Patients Become Plaintiffs Online Course October 19, 2010	0.5
LAMMICO Overcoming Barriers to Medical Compliance Online Course October 19, 2010	0.5
Goodman Oral Board Preparation Course Houston, TX November 7-9, 2010	28

Personal Interests:

Grace Baptist Church, Bible Study Fellowship International (Children's Leader 2014-current), Trail Life USA, Amateur Sport Racing (Cycling, Marathon, Local Races, Triathlons), Astronomy, Piano, Photography

Personal & Professional References:

Furnished upon request