

Curriculum VitaeEducation:

A.B., 1987 (Psychology) (Summa Cum Laude)	Princeton University Princeton, NJ
M.D., 1991 (Alpha Omega Alpha)	University of Pennsylvania School of Medicine Philadelphia, Pennsylvania
M.S., 1997 (Neuroscience)	University of Pittsburgh Pittsburgh, Pennsylvania

Current Position:

Professor and Vice Chairman for Academic Affairs
Residency Program Director
Department of Neurological Surgery
Professor, Department of Orthopedics and Rehabilitation Medicine
Co-Director, Neurosurgery Spine Surgery Program
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin

Other Employment History:

Assistant Professor, Associate Professor Department of Neurological Surgery and Department of Orthopedics and Rehabilitation University of Wisconsin School of Medicine Madison, Wisconsin	July, 1998-2003 July 2003-2011
Staff Neurosurgeon: University of Wisconsin Hospital and Meriter Hospital Madison, Wisconsin	July, 1998 to present
Consulting Neurosurgeon William H. Middleton VAH Madison, Wisconsin	July, 1998 to present
Consulting Neurosurgeon University of Wisconsin Rehabilitation Hospital Madison, Wisconsin	August 2015 to present
Consulting Neurosurgeon St. Mary's Hospital Madison, Wisconsin	July, 1998 through July 2015
Captain- Lieutenant Colonel United States Army Reserve MC Staff Neurosurgeon William Beaumont Army Medical Center El Paso, Texas	1993-2012 (Honorable Discharge, 2012) October 2006- January 2007
Resident in Neurological Surgery University of Pittsburgh Medical Center Pittsburgh Pennsylvania Chairmen: Peter J. Jannetta, MD, L. Dade Lunsford, MD	July 1992 to June, 1998
Rotating Spine Resident University of New Mexico Hospital Albuquerque, New Mexico Chairman: Edward C. Benzel, MD	February, 1997 to June, 1997
Associate Staff, Emergency Medicine Forbes Regional Hospital Monroeville, Pennsylvania	July, 1995 to January, 1997

Internship in General Surgery
 Pennsylvania Hospital
 Philadelphia, Pennsylvania
 Chairman: David L. Paskin, MD

June, 1991 to June, 1992

Honors:

Meritorious Service Award, AANS/CNS Joint Section on Disorders of the Spine, March, 2020
 Art Steffee Honored Guest Lecturer, Cleveland Clinic Spine Review, July, 2019
 Steve Halton Jr. Lecturer, Cleveland Clinic Spine Review, July, 2019
 Sonntag Lecturer, American Association of Neurological Surgeons Meeting, May, 2018
 Medical Education Award, University of Wisconsin School of Medicine and Public Health, 2018
 Inaugural Peter J. Jannetta Lecturer, Pittsburgh, PA, April, 2018
 Fager Lectureship, Lahey Clinic, Boston, MA, January, 2017
 Best Presentation (Steel Balls) Award, Pittsburgh Spine Summit, September, 2015
 Spine Leadership Award, Becker's Spine Review, June, 2015
 Stewart Dunsker Award (Outstanding spine paper award) American Association of Neurological Surgeons, May, 2015 (Neuropoint SD Lumbar Disc Herniation)
 Outstanding Paper Award, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, 2015 (Neuropoint SD return to work)
 Ved Sachdev Endowed Lecturer, Mount Sinai Medical Center, May, 2013
 Outstanding Paper Award (Basic Science), The Spine Journal, North American Spine Society, October, 2010
 Whitcomb Lecture Award, New England Neurosurgical Society, June, 2009
 Citation for Medical Student Teaching, University of Wisconsin Medical School Neuroscience Course, 2007-2008, 2008-2009, 2009-2010, 2010-11, 2011-12
 AANS Nominee for the "Special Achievement Award of the Bone and Joint Decade," 2006.
Best Doctors in America (Top 4% of specialty nominated by national survey of colleagues), Bestdoctors.com, 2002- 2020
Best in Healthcare, 2016, American Health Council Top 100 Providers in Wisconsin
America's Top Surgeons (Consumer Research Council of America) 2008-2012
America's Top Physicians (Consumer's Research Council of America) 2004-2010
 Named in "UW Hospital and Clinics Best Doctors," In Business: Madison, 2003
 Dean's Teaching Award, University of Wisconsin, 2002
America's Top Doctors Castle Connolly, 2002-2018, 2020-21
 First Place Poster Award, Joint Section on Trauma, September, 2000
 Van Wagenen Fellowship, First Alternate, 1998
 University of Pittsburgh Neurosurgical Resident's Teaching Award, 1997
 International Neurotrauma Society, Young Investigator Award, 1997
 University of Pittsburgh Neurosurgical Trauma Paper Award, 1997
 ACS Committee on Trauma, Resident's Paper Competition, Second Place, PA, 1995
 Alpha Omega Alpha, University of Pennsylvania School of Medicine, 1991
 Summa cum laude, Princeton University, 1987
 Howard Crosby Warren Senior Prize in Psychology, Princeton University, 1987

Military Service Awards

National Defense Service Medal with Bronze Star
 Global War on Terrorism Service Medal
 Army Service Ribbon
 Armed Forces Reserve Medal

Professional Associations:

Alpha Omega Alpha Honorary Medical Society, member 1991 to present
 American Academy of Neurological Surgery, member, 2011-present
 American Association for the Advancement of Science, member, 1998 to 2001
 American Association of Neurological Surgeons, member, 1993 to present
 Congress of Neurological Surgeons, member 1991 to present
 Dane County Medical Society, member 1999 to present
 Joint Section on Neurotrauma and Critical Care, member 1997 to present
 Joint Section on Spine and Peripheral Nerves, member 1998 to present
 North American Spine Society, member 1999 to present
 Oosec Society, member 1998-present
 Princeton University Neurosurgical Society, member 1995 to present
 Society for Neuroscience, member 2001 to 2003
 Society of Neurological Surgeons, member, 2007- present
 State Medical Society of Wisconsin, member 1999 to present
 Thomas Bond Society, member 1992 to present
 Wisconsin Neurosurgical Society, member 1999 to present

Professional Activities:National and International Leadership and Service:

Member, Sergeant at Arms Committee, CNS, 1993, 1994, 1995, 1996, 1997, 1998, 2002
Member, Host Committee, CNS, San Francisco, 1995
Member, Registration Committee, CNS, 1997, 1999
Member, AANS Publications Committee, April, 1999 to 2001
Member, AANS/CNS Joint Section on Spine and Peripheral Nerves Guidelines Committee.
 October, 1999 to present.
Member, Scientific Program Committee (abstract review), CNS Annual Meeting, San Antonio,
 TX, September, 2000.
Member, Poster Awards Subcommittee, CNS Annual Meeting, San Antonio, TX, September,
 2000.
Member, AANS/CNS Joint Section on Spine Committee on Spinal Cord Injury, 2000-2002
Member, Scientific Program Committee, Joint Section on Disorders of the Spine and Peripheral
 Nerves, for meeting in Phoenix, AZ, 2001

Chairman, Poster Awards Subcommittee, Joint Section on Disorders of the Spine and Peripheral Nerves, for meeting in Phoenix, AZ, 2001

Member, Outcomes Committee, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, 2001

CME Liaison, AANS/CNS Joint Section on Disorders of Spine and Peripheral Nerves Executive Committee, 2001-2002

Member, Scientific Program Committee, AANS/CNS Joint Section on Spine, 2001-2002

Member, Ad Hoc Committee on Undergraduate Neurosurgical Education, Council of State Neurosurgical Societies 2001-2003

Moderator, Plenary Session at the Congress of Neurological Surgeons Meeting, 2001

Member at Large, Executive Committee, Congress of Neurological Surgeons, 2001 to 2004

Member, Scientific Program Committee, Congress of Neurological Surgeons, 2001

Member, AANS/CNS Joint Section Subcommittee, 2001-2002

Co-Chairman, Sergeant at Arms Committee, Congress of Neurological Surgeons, 2002

Chairman, Resident Committee, Congress of Neurological Surgeons, 2001-2002

Chairman, Exhibits, Marketing, and Public Relations Committee, Congress of Neurological Surgeons, 2002-2004

Chairman, Scientific Program Committee, AANS/CNS Joint Section on Disorders of Spine and Peripheral Nerves Executive Committee, February 2002-2003

Member, Scientific Program Committee, Congress of Neurological Surgeons, 2002

Chairman, Guidelines Committee, AANS/CNS Joint Section on Spine and Peripheral Nerves 2002-2005

Member, Fellowship Committee, Congress of Neurological Surgeons, 2002-2006

Chairman, Annual Meeting, AANS/CNS Joint Section on Disorders of Spine and Peripheral Nerves Executive Committee, February 2003-2004

Member, Scientific Program Committee, Congress of Neurological Surgeons, 2003

Member, Abstract Review Committee, Congress of Neurological Surgeons, 2003

Member, Guidelines Committee, North American Spine Society, 2003-2006

Member, Task Group on Clinical Guidelines Workgroup, North American Spine Society, 2003-2006

Editor, Young Neurosurgeons's Directory, CNS, 2003-2004

Member, Scientific Program Committee (Abstract Review) American Association of Neurological Surgeons, 2004

Member, Annual Meeting Committee, Congress of Neurological Surgeons, 2004

Member, Education Committee, Congress of Neurological Surgeons, 2004-2006

Member, CMS Spine Fusion Task Force, AANS/CNS/Spine Section/Washington Committee, 2004

Member, Cervical Spine Study Group, Multidisciplinary study group for the study of cervical spine, 2004-2007

Member, Spine Trauma Study Group, Multidisciplinary study group for the study of spine and spinal cord injury, 2004-2007

Member, Steering Committee, Consortium for Spinal Cord Medicine, Multidisciplinary study group supported by the Paralyzed Veterans of America for the development of practice guidelines for the treatment of spinal cord injured patients, 2004 to present.

Panelist, Neurobiology Merit Review Subcommittee, Department of Veteran's Affairs, 2004.

Chairman, Education Committee, Congress of Neurological Surgeons, 2004-2007

Member, Ex Officio, Executive Committee, Congress of Neurological Surgeons, 2004-2007

Member, Committee for the Enhancement of Neurosurgical Research, 2004-2006

Member, Publications Committee, Congress of Neurological Surgeons, 2004-2006

Member, Strategic Planning Committee, Congress of Neurological Surgeons, 2004-2007

Member, Extra-Mural Subspecialty Item Writing Committee, American Board of Neurological Surgeons, 2005-2007

Secretary, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, 2005-2008

Member, AANS/CNS Washington Committee Quality Improvement Committee, 2005-2010

Chairman, AANS/CNS Section on Spine Committee on Quality Improvement, 2005- 2010

Expert Advisor, Medicare Advisory Committee Task Force on vertebroplasty and kyphoplasty, May 2005.

Member, Evidence Based Guidelines and Practice Committee, North American Spine Society, 2004-2010

Chairman, Natural History Study Group, North American Spine Society Guidelines for the Treatment of Lumbar Stenosis, 2006-2007

CME Liaison, Scientific Program Committee, Congress of Neurological Surgery, 2005-present

Member, Performance Measures Task Force, North American Spine Society, 2005-2008

Member, Spring Break Program Committee, North American Spine Society, 2005-2006

Participant, Understanding ACCME Accreditation Workshop, Chicago, December, 2005

Panelist, Department of Veterans Affairs Scientific Merit Review, 2006

Vice Chairman, AANS/CNS Quality Improvement Workgroup, 2006-2007

Chairman, AANS/CNS Quality Improvement Workgroup Committee on Performance Measures, 2006-present

AANS/CNS Representative, American Medical Association Physicians Consortium for Performance Improvement (Representing AANS), 2006-2007

Member, Scientific Program Committee, AANS/CNS Joint Section on Disorders of the Spine, 2006-2007

AANS/CNS Representative, Medicare Advisory Committee Taskforce on Lumbar Fusion, November, 2006

Guest Examiner, American Board of Neurological Surgeons, May, 2007

AANS Reviewer, American College of Occupational and Environmental Medicine (ACOEM) Guidelines, 2007

Chairman elect, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, 2007-2008

Co-Chairman, Lumbar Fusion Task Force, North American Spine Society, AANS, CNS, Spine Section, AAOS, SRS, 2007-2010

Senior Advisor, Education Committee, Congress of Neurological Surgeons, 2007-2008

Member, CNS Project Coordinating Committee, 2007-2008

Member, American College of Physicians and American Pain Society Clinical Guidelines Project Work Group on Interventional and Surgical Therapies for Low Back Pain, 2007-2008

Chairman, Ad Hoc Committee on Hypothermia and Spinal Cord Injury. AANS/CNS Joint Section on Disorders of the Spine, 2007.

Chairman, AANS/CNS Quality Improvement Workgroup, 2007-2010

Member, AANS/CNS Joint Guidelines Committee, 2007-2010

Participant, Congress of Neurological Surgeons Educational Leadership Summit, New York, NY, 2008

Member, Scientific Program Committee, North American Spine Society, 2008
Chairman, North American Spine Society Guidelines Committee Workgroup on Antithrombotic Prophylaxis in Spine Surgery: Complications and Risk Benefit Analysis, 2008-2009
Member, National Committee on Quality Assurance Workgroup on Quality Reporting Initiative, 2008-2009
Chairman, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, 2008-2009
Treasurer, Congress of Neurological Surgeons, 2008-2011
Member, Ex Officio, American Association of Neurological Surgeons Board of Directors, 2008-2009
Member, Outcomes Committee, Society of Neurological Surgeons, 2008- present
Chairman, Clinical Research and development Committee, North American Spine Society, 2008-2011
Member, Board of Directors, North American Spine Society, 2008-2011
Chairman, Committee for General Scientific Sessions, Scientific Program Committee, Congress of Neurological Surgeons, 2008-2009
Representative, AANS/CNS to the American College of Radiology Imaging Appropriateness Panel, 2008-2009
Member, Expert Panel, Blue Cross Blue Shield Spine Centers of Distinction, 2008-2009
Treasurer, Congress of American Neurosurgical Education, 2009-2012
Member, Registry Committee, North American Spine Society, 2008-2011
Immediate Past Chairman, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, 2009-2010
Member, Value Based Spine Care Committee, North American Spine Society, 2009-2012
Member, Ad hoc Committee for Policy/Procedure for Payer Policy Responses, AANS/CNS Joint Section on Disorders of the Spine, 2009-2010
Member, Membership Committee, Society of Neurological Surgeons, 2009-2012
Member, Congress of Neurological Surgeon's Scientific Program Committee, General Scientific Session Advisor, 2009-2010
Member, Nominating Committee, North American Spine Society, 2010-2011
Member, AANS Scientific Program Committee, Abstract Review, 2010
Member, NASS Ad hoc Vertebroplasty Comment Work Group, 2009-2010
Member, Executive Council, American Association of Neurological Surgeons Neurosurgical Research and Education Fund, 2009-2012
Member, Review and Recommendation Oversight Committee, North American Spine Society, 2009-2012
Member, ex officio, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Executive Committee, 2010-2011
Guest Examiner, American Board of Neurological Surgeons, May, 2010
Member, Planning Committee CSP#583, XStop versus Laminectomy for Treatment of Lumbar Stenosis. 2010-2011
Member, AANS Scientific Program Committee, Abstract Review, 2011
Chairman, Undergraduate Education Committee, Society of Neurological Surgeons, 2010-2012
Member, North American Spine Society Spine Executive Forum, 2010-2013
Member, Performance Measures Committee, North American Spine Society, 2010-2013
Chairman, Registry Committee, North American Spine Society, 2010- present

Director, Research Council, North American Spine Society, 2010-2013
Representative, AHRQ Registry of Patient Registries, 2010-2011
Member, AANS Spine Promotion and Advocacy Task Force, 2010-2011
Member, Scientific Advisory Committee, N2QOD (AANS/NPA sponsored registry project), 2010-2011
Member, Scientific Program Committee, North American Spine Society, 2011
Member, Scientific Advisory Board, Orthopedic Research and Education Foundation, American Association of Orthopedic Surgeons, 2011-2012
Member, ex officio, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Executive Committee, 2011-2012
Member, Blue Cross Blue Shield Advisory Committee, North American Spine Society, 2011-12
Member, Nominating Committee, North American Spine Society, 2011-2012
Vice President, Congress of Neurological Surgeons, 2011-2012
Chairman, Membership Committee, Society of Neurological Surgeons, 2011-2012
Member, Congress of Neurological Surgeons Conflict of Interest Resolution Committee, 2011-2012
Member, Scientific Advisory Board, Clinical Research in Spine Foundation (OREF/NREF merger for clinical research in spinal disorders), 2011-present
Chairman, AANS/CNS Joint Guideline Committee Ad Hoc Committee for review of cervical spine injury guidelines, 2011-2012
Member, NFL Head Neck and Spine Medical Committee, 2011-present
Member, Search Committee for Congress of Neurological Surgeons Executive Director, 2012
Member, Philanthropy Committee, Congress of Neurological Surgeons, 2012-14
Chairman, North American Spine Society Guidelines Committee, Surgical Management of Lumbar Disc Herniation Workgroup, 2011-2012
Member, ex officio, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Executive Committee, 2012-2013
Member, Clinical Spine Research Foundation Advisory Council, 2012-present
President Elect, Congress of Neurological Surgeon, 2012-2013
Chairman, Strategic Planning Committee, Congress of Neurological Surgeons, 2012-2013
Member, AANS/CNS Washington Committee, 2012-2014
Member, Portal Committee, Congress of Neurological Surgeons, American Association of Neurological Surgeons, Society of Neurological Surgeons, American Board of Neurological Surgeons, 2012-2016
Chairman, Board of Directors, Congress of Neurological Surgeons Foundation, 2012-2013
Member, Grants Committee, Collaborative Spine Research Foundation, 2012-present
Member, Grant Review Committee, American Institute of Biological Sciences on behalf of the United States Army Medical Research and Material Command, 2013
Reviewer, ECRI Technology Review on Electrical Bone Growth Stimulation for Cervical Fusion, 2013
AANS Representative, AANS/CNS Legislative Fly In, Washington, DC, July, 2013
AANS Representative, Combined Societies Spine Summit, Chicago, IL, August, 2013
President, Congress of Neurological Surgeons, 2013-2014
Director, Research Council, North American Spine Society, 2013-2015 (re-appointment)
NASS Representative, FDA Spine Device Forum, Washington, DC, June, 2014

AANS Representative, Alliance for Specialty Medicine Legislative Fly In, Washington, DC, July, 2014

AANS Representative, Spine Summit, Bur Ridge IL, August, 2014

Past President, Congress of Neurological Surgeons, 2014-2015

Secretary, North American Spine Society, 2014-2015

Chairman, Professional Conduct Committee, Congress of Neurological Surgeons, 2014-2015

Chairman, Awards Committee, Congress of Neurological Surgeons, 2014-2015

Member, Nominating Committee, Congress of Neurological Surgeons, 2014-2015

Director, Congress of Neurological Surgeon's Foundation, 2014-2015

Member, Abstract Review Committee, NASS Spine Across the Sea, 2015

Member, Abstract Committee, NASS Annual Meeting, 2015

Member, SNS, AANS, CNS Portal Executive Committee, 2014-2017

Chairman, Nominating Committee, Congress of Neurological Surgeons, 2015-2016

Chairman, Ad Hoc Committee on CSNS Relationship with EC, Congress of Neurological Surgeons, 2015

NASS Representative, Spine Summit, Washington, DC, May, 2015

NASS Representative, Alliance for Specialty Medicine Legislative Fly In, Washington DC, July, 2015

NASS Representative, Patient Centered Outcomes Research Institute: Improving Spine Care, September, 2015

Second Vice President, North American Spine Society, 2015-2016

NASS Representative, Alliance for Specialty Medicine Fly-In, Washington, DC, July, 2016

NASS Representative, FDA Stakeholder Forum, Washington, DC, July, 2016

NASS Representative, Spine Summit, Chicago, August, 2016

Director, American Board of Neurological Surgeons, 2016-2022

NASS Representative, Alliance for Specialty Medicine Fly-In, Washington, DC, July, 2017

Co-Chair, Credentials Committee, American Board of Neurological Surgeons, 2016-2018

Member, Written Board Question Writing Committee, American Board of Neurological Surgeons. 2016-2022

Chairman, Written Board Question Writing Committee, American Board of Neurological Surgeons. 2018-2020

Member, Oral Boards Examination Committee, American Board of Neurological Surgeons, 2016-2022

Chairman, North American Spine Society Guidelines Committee for Management of Low Back Pain, Diagnosis Work Group, 2015-2019

First Vice President, North American Spine Society, 2016-2017

NASS Representative, Alliance for Specialty Medicine Fly-In, Washington, DC, July, 2018

President, North American Spine Society, 2017-2018

Immediate Past President, North American Spine Society, 2018-2019

Member, North American Spine Society Guidelines Committee for Management of Thromboembolic Events, 2019-present

Secretary, American Board of Neurological Surgeons, 2020-2022

National and International Education:

“Faculty” or “Instructor” indicates that I was invited to speak at a course but was already attending the meeting and was not reimbursed or paid an honorarium.

“Moderator” indicates that I was invited to run a scientific session but did not prepare an independent scientific presentation or select the speakers.

“Course Director” means that I was in charge of developing the course, inviting faculty, and running the course on site.

“Invited Speaker and faculty” indicates that I was invited to a course to speak, was reimbursed for travel, and received an honorarium.

“Honored Guest” indicates that I was an invited speaker specifically asked to deliver a keynote plenary session presentation as a focus of the meeting.

Resident Instructor, “Microvascular Decompression” Course, Pittsburgh, PA, 1995

Resident Instructor, American Association of Neurological Surgeons “Practical Spine Course,” Albuquerque, NM, 1997

Faculty, Congress of Neurological Surgeons Practical Course “Lumbosacral fusion: cages, dowels, and pedicle

Screws,” Boston, 1999

Faculty, AANS/CNS Section on Spine Practical Course “Lumbar Instability and Fusion: Diagnosis, Patient Selection, Treatment Outcomes.” Palm Springs, CA., February, 2000

Faculty, AANS/CNS Section on Spine Practical Course “Spine 2000,” Palm Springs, CA., February, 2000

Faculty, American Association of Neurological Surgeons Course “Basics of Spinal Stabilization, Fusion, and Instrumentation for Residents,” San Francisco, CA., April, 2000

Faculty, American Association of Neurological Surgeons Course “Thoracic and Lumbar Stabilization and Fusion,” San Francisco, CA., April, 2000

Invited Speaker and Faculty, 12th International Spine and Peripheral Nerve Workshop, Bethesda, MD, June, 2000

Faculty, Congress of Neurological Surgeons Course “Lumbosacral fusion techniques,” San Antonio, TX, September, 2000

Faculty, Congress of Neurological Surgeons Course “Spinal cord injury management,” San Antonio, September, 2000

Faculty, AANS/CNS Joint Section of Spine “Fundamentals of Spine Surgery,” February, 2001.

Faculty, American Association of Neurological Surgeons Course, “Basics of Spinal Stabilization, Fusion, and Instrumentation,” April, 2001.

Faculty, American Association of Neurological Surgeons course, “Thoracolumbar Instrumentation and Fusion.” April, 2001.

Faculty, American Association of Neurological Surgeons course, “Cervical spine instability: instrumentation & other methods of management.” April, 2001

Faculty, Congress of Neurological Surgeons Course, “Lumbosacral fusion: cages, dowels, and screws.” September 29, 2001, Washington, DC.

Faculty, Congress of Neurological Surgeons Course, “Spinal cord injury management: standards and new advances.” October 1, 2001, Washington, DC

Course Director, Fundamentals of Spine Surgery, AANS/CNS Spine Section, February, 2002.

Faculty, Cutting Edge Spine Technologies: The Present and Future, AANS/CNS Course, February 26, 2002

Faculty, Thoracic and Lumbar Stabilization and Fusion, American Association of Neurological Surgeons Course, April 7, 2002.

Faculty, Basics of Spinal Stabilization, American Association of Neurological Surgeons Course, April 7, 2002.

Faculty, Cervical Spine Instability: Instrumentation and Other Methods of Management. AANS Course, April 7, 2002.

Faculty, Spinal Cord Injury: Recent Insights into the Management, American Association of Neurological Surgeons Course, April 11, 2002.

Invited Speaker and Faculty, Spine Review, Hands On. Cleveland Clinic Foundation, May, 2002.

Course Director, Cervical and Lumbar Interbody Techniques, Medtronic Course, Sun River, OR, July, 2002

Faculty, Lumbosacral Fixation Techniques, Congress of Neurological Surgeons Meeting, September, 2002

Faculty, Spinal Cord Injury Management, Congress of Neurological Surgeons Meeting, September, 2002

Invited Speaker and Faculty, Global Spine, Spinal Science Advancement Foundation, Laguna Niguel, CA, October, 2002

Moderator, Plenary Session at the Congress of Neurological Surgeons Meeting, 2002

Faculty, Spinal Deformity and Its Correction, AANS/CNS Spine Section Course, Tampa, FL, March, 2003

Faculty, Cervical and Lumbar Interbody Fusion Techniques, AANS/CNS Spine Section Course, Tampa, FL, March, 2003

Faculty, Modern techniques and future trends in interbody fusion techniques, American Association of Neurological Surgeons practical course, 2003

Faculty, Thoracic and lumbar stabilization and fusion: indications and complications. American Association of Neurological Surgeons practical course, 2003

Faculty, Occipitocervical fixation techniques, American Association of Neurological Surgeons practical course, 2003

Faculty, Management of Spine Trauma, American Association of Neurological Surgeons Plenary session, 2003

Invited Speaker and Faculty, Cleveland Hands on Spine Course, Cleveland, OH, August, 2003

Course Director and Faculty, Emerging Technologies in Spinal Surgery, Congress of Neurological Surgeons Practical Course, 2003

Faculty, Mastering spinal disorders: dealing with complexities. Congress of Neurological Surgeons Practical course, 2003

Faculty, Master Surgeon Series: Cervical Spine Surgery, AANS/CNS Spine Section Course, March, 2004

Faculty, Thoracic and lumbar stabilization and fusion. American Association of Neurological Surgeons Special course, April, 2004

Faculty, Modern techniques and future trends in lumbar interbody fusion. American Association of Neurological Surgeons Special course, May, 2004.

Faculty, Lumbar case presentations, American Association of Neurological Surgeons plenary session, May, 2004

Faculty, Cervical Spine Study Group, Chicago, IL, May, 2004

Invited Speaker and Faculty, Cleveland Hands on Spine Course, Cleveland, OH, May, 2004

Invited Speaker and Faculty, International Spine and Peripheral Nerve Workshop, Bethesda, MD, June, 2004

Co-Course Director, “Guidelines Development in Spinal Surgery.” North American Spine Society, Chicago IL, August 13, 2004.

Course Director, “Surgical Arthrodesis of the Cervical Spine.” Practical course, Congress of Neurological Surgeons Meeting, October, 2004

Course Director, “Emerging Technologies in Thoracic and Lumbar Stabilization.” Practical course, Congress of Neurological Surgeons Meeting, October, 2004

Faculty, CNS Luncheon Seminar “Spinal fusion: biochemical and biomechanical approaches.” Congress of Neurological Surgeons Meeting, October, 2004

Faculty, CNS Luncheon Seminar “Intra-operative salvage techniques: Getting out of trouble in spinal surgery.” Congress of Neurological Surgeons Meeting, October, 2004

Faculty, CNS Plenary Session, Special Course on Trauma “Timing of surgical decompression following acute spinal cord injury.” Congress of Neurological Surgeons Meeting, October, 2004

Course Director, Special Interest Group on guidelines for the performance of lumbar fusion, North American Spine Society, October, 2004

Visiting Professor, University of Utah Department of Neurosurgery, Salt Lake City, UT, December, 2004

Honored Guest, Rachidian Society Meeting, Kona, HI, January, 2005.

Course Director, Cervical Spine Focus Group, Memphis, TN, February, 2005

Faculty, Special Course II, Spinal Cord Injury Advances and Controversies, AANS/CNS Section on Spinal Disorders, Phoenix, AZ, March, 2005

Course Director, Guidelines for the Performance of Lumbar Fusion, AANS/CNS Joint Section on Spine, Phoenix, AZ, March, 2005

Faculty, Special Course III, Controversies in Spinal Surgery, AANS/CNS Joint Section on Spine, Phoenix, AZ, March, 2005.

Faculty, Biology of Bone Healing, AANS/CNS Joint Section on Spine, Phoenix, AZ, March, 2005

Faculty, Surgical Arthrodesis of the Cervical Spine, AANS Special Course, Orlando, FL, April, 2005

Faculty, Surgical Arthrodesis of the Lumbar Spine, AANS Special Course, Orlando, FL, April, 2005

Faculty, Modern Management and Emerging Trends in Spinal Cord Injury, AANS Seminar, Orlando, FL, April, 2005.

Course Director, Cervical Spine Study Group, Phoenix, AZ, May, 2005

Invited Speaker and Faculty, Midwest Neurosurgical Society Meeting, Iowa City, IA June, 2005.

Invited Speaker and Faculty, International Spine and Peripheral Nerve Workshop, Bethesda, MD, June, 2005

Invited Speaker and Faculty, Cleveland Hands On Spine, July, 2005

Course Director, Cervical Spine Arthrodesis. Practical Course, Congress of Neurological Surgeons, Boston, MA, September, 2005

Course Director, Anatomical and Biomechanical Considerations in Thoracic and Lumbar Arthrodesis. Practical Course, Congress of Neurological Surgeons Meeting, Boston, MA, September, 2005

Faculty, Plenary Session on Disorders of the Spine, Congress of Neurological Surgeons Meeting, Boston, MA, September, 2005

Faculty, Evidence Based versus Eminence Based Medicine, North American Spine Society, Philadelphia, AP, September, 2005

Visiting Professor, University of Southern California, Los Angeles, CA . August 26, 2005

Moderator, Complications in Spinal Surgery, North American Spine Society, Philadelphia, September, 2005

Moderator, Biomechanics of Spine Surgery, Cervical Spine Research Society, San Diego, December, 2005

Course Director and Moderator, University of Wisconsin Brainstem and Spinal Cord Neuroscience Course, Madison, November, 2005

Course Director and Faculty, North American Spine Society Evidence Based Medicine Workshop, Chicago, November, 2005.

Faculty, Management of Trigeminal Neuralgia, North American Skull Base Society, February, 2006

Faculty, AANS/CNS Section of Disorders of the Spine Board Review Course, Orlando, March, 2006

Faculty, Controversies in spine surgery. AANS/CNS Section of Disorders of the Spine, plenary session, March, 2006.

Faculty, Thoraco-lumbar Stabilization and Fusion Techniques. AANS Practical Course, San Francisco, April, 2006

Faculty, Modern Techniques and Future Trends in Lumbar Interbody Fusion. AANS Practical Course, San Francisco, April, 2006

Faculty, Cervical Spine Instability: Instrumentation and Other methods of Management. AANS Practical Course, San Francisco, April, 2006

Faculty, Management of Traumatic Spinal Cord Injury. AANS Breakfast Seminar, San Francisco, April, 2006

Invited Speaker and Faculty, AANS Boards Review Course, Houston, May, 2006

Honored Guest, Hands on Spine Course, Aichi, Japan, May, 2006

Honored Guest, Japanese Society of Spinal Surgery, Kanazawa, Japan, May, 2006

Invited Speaker, Kushiro Spine Center, Kushiro, Japan, May, 2006

Invited Speaker and Faculty, International Spine and Peripheral Nerve Workshop, Bethesda, June, 2006

Honored Guest, Rocky Mountain Neurosurgical Society Meeting, Sedona, AZ, June, 2006

Invited Speaker and Faculty, Cleveland Spine Review, July, 2006

Course Director, CNS Practical Course “Evidence Based Neurosurgery.” Chicago, October, 2006

Course Director, CNS Practical Course “Surgical Arthrodesis of the Cervical Spine.” Chicago, October, 2006

Faculty and Moderator, CNS Luncheon Seminar “Vertebroplasty and Kyphoplasty.” Chicago, October, 2006

Faculty and Moderator, CNS Luncheon Seminar “Lumbar Fusion- What the Literature Supports” Chicago, October, 2006

Faculty, CNS Special Course on Pay for Performance, Chicago, September, 2006

Faculty, CNS General Session, Advocacy through innovation and critical review. Chicago, September, 2006

Practice Mentor, James Leech, William Beaumont Army Medical Center, El Paso, TX, October 2006-January, 2007.

Faculty, Cervical Spine Research Society Instructional Course, West Palm Beach, FL, December, 2006

Visiting Professor, Louisiana State University Health Sciences Center, Shreveport, LA, January, 2007

Invited Speaker and Faculty, Mayfield Clinic Winter Clinics for Cranial and Spinal Surgery, Aspen, CO, February, 2007

Invited Speaker and Faculty, Inter-Urban Neurosurgical Society, Chicago, IL, March, 2007

Course Director, Boards Review in Spinal Neurosurgery. AANS/CNS Joint Section on Spine, Phoenix, March, 2007.

Faculty, AANS/CNS Joint Section on Disorders of the Spine, Plenary Session, Phoenix, AZ, March, 2007.

Invited Speaker and Faculty, CNS Members Think Tank, Chicago, IL, March, 2007.

Faculty, Cervical Spine Instability: Instrumentation and other methods of management. AANS Practical Course, Washington, DC, April, 2007

Course Director, Modern Techniques and Future Trends in Lumbar Interbody Fusion, AANS Practical Course, Washington, DC, April, 2007

Faculty, Thoracic and Lumbar Stabilization and Fusion. AANS Practical Course, Washington, DC, April, 2007

Faculty, Lumbar Spine Fusion: Indications, Patient Selection, and Current Techniques. AANS Breakfast Seminar, Washington, DC, April, 2007

Faculty, Cervical Disc Disease: Current Treatment Options. AANS Breakfast Seminar, Washington, DC, April, 2007

Faculty, Modern Management of Spinal Cord Injury. AANS Breakfast Seminar, Washington, DC, April, 2007

Faculty, Cervico-Thoracic Spine Surgery, Meet the Experts. AANS Breakfast Seminar, Washington, DC, April, 2007

Faculty, Plenary Session on Disorders of the Spine and Peripheral Nerves, American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007

Invited Speaker and Faculty, Bethesda Hands on Spine Course, Bethesda, MD, May, 2007

Visiting Professor, Rush University School of Medicine, May, 2007

Honored Guest, South African Spine Society, Durban, South Africa, June, 2007

Invited Speaker and Faculty, Cleveland Spine Review, July, 2007

Course Director, Techniques and Technologies in achieving arthrodesis/stabilization of the cervical spine. Congress of Neurological Surgeons Practical Course, San Diego, September, 2007.

Course Director, Neurosurgery 2007: Literature Review. Congress of Neurological Surgeons Practical Course, San Diego, September, 2007.

Faculty, Operative Colloquium: Masters of Neurosurgery. Congress of Neurological Surgeons Practical Course, San Diego, September, 2007.

Faculty, Consensus Conference, on Education. Congress of Neurological Surgeons, San Diego, September, 2007.

Faculty, Enhancing Spinal Fusion: Biomechanical and Biochemical Approaches. Congress of Neurological Surgeons Luncheon Seminar, San Diego, September, 2007.

Invited Speaker and Faculty, McClean Conference on Surgical Ethics. Chicago, November, 2007.

Visiting Professor, Brigham and Women's Hospital Dept. of Neurosurgery, Harvard Medical School Boston, MA, November, 2007

Honored Guest, Academie Brasileira de Neurocirurgia, Brasilia, BZ, November, 2007

Visiting Professor, Thomas Jefferson University Hospital, Department of Neurosurgery, Philadelphia, PA, February, 2008

Faculty, Controversies in Spinal Surgery, AANS/CNS Section on Disorders of the Spine Annual Meeting, Orlando, FL, March, 2008

Faculty, Minimally Invasive and Outpatient Techniques in Spinal Surgery, AANS/CNS Section on Disorders of the Spine Annual Meeting, Orlando, FL, March, 2008

Faculty, Revision Surgery and Complication Avoidance, AANS/CNS Section on Disorders of the Spine Annual Meeting, Orlando, FL, March, 2008

Course Director, Current and Future Trends in Lumbar Interbody Fusion. American Association of Neurological Surgeons, Chicago, IL, April, 2008

Faculty, Quality and Efficiency Measures in an Action Plan. American Association of Neurological Surgeons, Chicago, IL, April, 2008

Faculty, Biologics for the Spine. American Association of Neurological Surgeons, Chicago, IL, April, 2008

Faculty, Management of subacute and chronic traumatic spinal cord injury. American Association of Neurological Surgeons, Chicago, IL, April, 2008

Moderator, General Scientific Session on Disorders of the Spine, American Association of Neurological Surgeons, Chicago, IL, April, 2008

Invited Speaker and Faculty, Bethesda Hands on Spine Course, Bethesda, MD, April, 2008

Faculty, The University of Wisconsin Program, Society on Neurological Surgeons Meeting, Madison, WI, May, 2008

Honored Guest, Japanese Spine Society, June 12-14, Matsushima, Japan, 2008

Invited Speaker and Faculty, Cleveland Spine Review, Cleveland, OH, July, 2008

Honored Guest, Croatian Society of Neurological Surgeons, Dubrovnik, Croatia, Sept, 2008

Course Director, Techniques and Technology in Achieving Spinal Arthrodesis/Stabilization of the Cervical Spine. Practical Course, Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Course Director, Neurosurgery 2008: Literature review. Practical Course, Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Faculty, Operative Colloquium: Master's of Neurological Surgery. Practical Course, Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Faculty, Enhancing Spinal Fusion. Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Faculty, Surgical Intervention for the Lumbar Spine: What the Literature Supports. Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Faculty, Integrated Medical Learning Session: State of the Evidence in Spinal Surgery. Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Faculty, Integrated Medical Learning Session: Failed Back Surgery Syndrome and Neuro-modulation. Congress of Neurological Surgeons Meeting, Orlando, September, 2008.

Visiting Professor, University of Michigan Dept. of Neurosurgery, October, 2008

Faculty, Evidence Based Spine Surgery, North American Spine Society, Toronto, October, 2008

Honored Guest, The Mexican Society of Neurosurgery Third International Congress, Los Cabos, Baja California, Mexico, November, 2008

Invited Speaker and Faculty, AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2008

Invited Speaker and Faculty, 21st Annual Bethesda Spine Workshop, April, 2009

Faculty, Management of Cervical Spinal Instability and Deformity, Practical Course, American Association of Neurological Surgeons Meeting, San Diego, CA, May, 2009

Faculty, Update on Spinal Surgery for the Practicing Neurosurgeon, Practical Course, American Association of Neurological Surgeons Meeting, San Diego, CA, May, 2009

Faculty, Biologics for the Spine, Breakfast seminar, American Association of Neurological Surgeons Meeting, San Diego, CA, May, 2009

Faculty, Quality and Efficiency measures in Neurosurgery: An Action Plan. American Association of Neurological Surgeons Meeting, San Diego, CA, May, 2009

Moderator, General Scientific Session on Disorders of the Spine, American Association of Neurological Surgeons, San Diego, CA, May, 2009

Honored Guest, III Jornada de Neurologia, Neurocirurgia e Coluna Vertebral II Encontro da Sociedade de Neurocirurgia de Mato Grosso. Cuiaba, Brazil, May, 2009.

Visiting Professor, University of California, San Francisco, June, 2009

Honored Guest, New England Neurosurgical Society, June, 2009

Invited Speaker and Faculty, Complications in Spinal Surgery, Jackson Hole, WY, August, 2009

Invited Speaker and Faculty, Spine Trauma Update (NASS), Chicago, IL, October, 2009

Course Director, Spinal surgery: indications and techniques. Practical course, Congress of Neurological Surgeons Meeting, New Orleans, October, 2009

Moderator, Defining Excellence in Neurosurgery, Plenary Session, Congress of Neurological Surgeons Meeting, New Orleans, October, 2009

Faculty, CNS Neurosurgical Forum, Congress of Neurological Surgeons Meeting, New Orleans, October, 2009

Faculty, Quality Measures in Medicine: Past, Present, and Future. Congress of Neurological Surgeons Meeting, New Orleans, October, 2009

Moderator, Digital master's Video Symposium, Congress of Neurological Surgeons Meeting, New Orleans, October, 2009

Invited Speaker and Faculty, AANS Hands on Spine Review for Residents, Chicago, IL, November 2009

Faculty, Spinal Deformity Evaluation and Management. North American Spine Society Special Course, San Francisco, November, 2009

Faculty, Guidelines in Spinal Surgery- Their Role in Patient Care and Advocacy. North American Spine Society, Plenary Session, San Francisco, November, 2009

Invited Speaker and Faculty, Stabilization of the cervical spine, Cervical Spine Research Society Hands on Course, St. Louis, MO, January, 2010

Faculty, Government and Societal Influences on Spinal Surgery. AANS/CNS Joint Section on Disorders of the Spine Meeting, Orlando, FL, February, 2010

Moderator and Discussant, Scientific Session 1, AANS/CNS Joint Section on Disorders of the Spine Meeting, Orlando, FL, February, 2010

Invited Speaker and Faculty, 46th Annual Orthopedic Symposium: Spine Care in the 21st Century: Evidence, Ethics, and Accountability- The New Paradigm. Dallas, TX, April, 2010

Visiting Professor, University of Rochester Dept. of Orthopedic Surgery, Rochester, NY, April, 2010

Course Director and Faculty, Practical Course, Evaluation and Management of Degenerative Deformity in the Lumbar Spine, American Association of Neurological Surgeons, Philadelphia, May, 2010

Discussant, Oral Platform Presentations, Plenary Session, American Association of Neurological Surgeons, Philadelphia, May, 2010

Faculty, Lumbar Spine Fusion, Breakfast Seminar, American Association of Neurological Surgeons, Philadelphia, May, 2010

Faculty, Management of Spondylolisthesis, Breakfast Seminar, American Association of Neurological Surgeons, Philadelphia, May, 2010

Course Director, Comparative Effectiveness research in Spinal Disorders: Why it is worthwhile. Combined Societies Task Force on Lumbar Fusion Meeting, Madison, WI, July 2010

Visiting Professor, Loyola University Chicago Stritch School of Medicine, Chicago, IL, September, 2010

Visiting Professor, Cornell University Weill Medical Center, New York, NY, October, 2010

Faculty, Value Based Spine Care, North American Spine Society, Orlando, October, 2010

Faculty, Fundamentals of Evidence Based Medicine Part 1: Asking answerable questions. North American Spine Society, Orlando, October, 2010

Faculty, Fundamentals of Evidence Based Medicine Part 2: Critically appraising the literature. North American Spine Society, Orlando, October, 2010

Faculty, General Session IV: Cases and Coffee with the Masters. Congress of Neurological Surgeon's Meeting, San Francisco, October, 2010

Faculty, Guidelines for the performance of fusion procedures for degenerative disease of the lumbar spine, Congress of Neurological Surgeon's Meeting, San Francisco, October, 2010

Faculty, Implementing and utilizing the new degenerative cervical spine practice guidelines in everyday practice. Congress of Neurological Surgeon's Meeting, San Francisco, October, 2010

Course Director, Practicing in the Era of Health Care Reform, Congress of Neurological Surgeon's Meeting, San Francisco, October, 2010

Moderator, General Session IV: Cases and Coffee with the Masters. Congress of Neurological Surgeon's Meeting, San Francisco, October, 2010

Invited Speaker and Faculty, Fundamentals in Spinal Surgery for Residents, AANS Course at Spine Master's Institute, Chicago, IL, November, 2010

Honored Guest, Fourth Annual Kuwaiti-American Neurosurgical Forum, Kuwait City, December, 2010

Invited Speaker and Faculty, The Surgical Management of Spinal Disorders, Beaver Creek, CO, January, 2011

Invited Speaker and Faculty, 6th Annual Evidence and Technology Summit, Park City, Utah, February, 2011

Honored Guest, Texas Association of Neurological Surgeons, Dallas, TX, February, 2011

Faculty, Spine Surgery in the Era of Evidence Based Care, AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2011

Mentor, Andreas Kuzmin, North American Spine Society Visiting Fellow, 2011

Faculty, Lumbar Fusion Indications and Techniques. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011

Faculty, The Management of Incidental Findings. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011

Faculty, Management of Spondylolisthesis. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011

Faculty, Quality and Registry Reporting in Spinal Surgery. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011

Course Director and Faculty, Evidence Based Spine Care, North American Spine Society Course, Chicago, IL, May, 2011

Invited Speaker and Faculty, Cervical Spine Surgery- Hands On. North American Spine Society practical course, May, 2011

Invited Speaker and Faculty, Cleveland Spine Review, Cleveland, OH, July, 2011

Invited Speaker and Faculty, Minimally Invasive Neurosurgery Society, Mackinac Island, MI, July, 2011

Honored Guest, Asia Spine, Fukuoka, Japan, September, 2011

Honored Guest, Atlantic Neuroscience Institute, Morristown, NJ, September, 2011

Invited Speaker and Faculty, Temple Spine Symposium, Philadelphia, PA, September, 2011

Faculty, Update on Clinical practice Guidelines for Neurosurgeons. Congress of Neurological Surgeon's Meeting, Washington, DC, October, 2011

Moderator and Discussant, General Session 1. Congress of Neurological Surgeon's Meeting, Washington, DC, October, 2011

Faculty, Management of Cervical Myelopathy. Congress of Neurological Surgeon's Meeting, Washington, DC, October, 2011

Course Director and Faculty, Evidence Based Spine Care, North American Spine Society Course, Chicago, IL, October, 2011

Honored Guest, Spine Society of Viet Nam, Ho Chi Min Spine Society, Ho Chi Min City, Vietnam, December, 2011

Invited Speaker and Faculty, Council of State Neurosurgical Societies Northeast Quadrant meeting, Stowe, VT, January, 2012

Visiting Professor, Albany Medical Center, Albany, NY, February, 2012

Invited Speaker and Faculty, Evidence and Technology in Spine Summit, Park City, Utah, February, 2012

Visiting Professor, University of Calgary Department of Neurological Surgery, March, 2012

Faculty, Comparative Effectiveness Research in Spine Surgery, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2012

Moderator, Plenary session, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2012

Course Director, Evidence Based Guidelines for Lumbar Fusion Surgery, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2012

Discussant, General Session, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2012

Faculty, Spine Section General Session, American Association of Neurological Surgeons Meeting, Miami, April, 2012

Faculty, Management of Incidental Findings in Spinal Surgery, American Association of Neurological Surgeons Meeting, Miami, April, 2012

Faculty, Comparative Effectiveness Research. Breakfast Seminar, American Association of Neurological Surgeons Meeting, Miami, April, 2012

Faculty: Lumbar Fusion. Breakfast Seminar, American Association of Neurological Surgeons Meeting, Miami, April, 2012

Course Director, Evidence based medicine practical course, North American Spine Society, Burr Ridge, IL, April, 2012

Honored Guest, Jahrestagung der DGNC Sektion Wirbelsaule, Cologne, Germany, September, 2012

Visiting Professor, Case Western Reserve, Cleveland, OH, September, 2012

Faculty, Desperate Intraoperative Moments, Congress of Neurological Surgeons Meeting, Chicago, IL, October, 2012

Faculty, Management of Cervical Myelopathy, Congress of Neurological Surgeons Meeting, Chicago, IL, October, 2012

Moderator, Plenary Session, Congress of Neurological Surgeons Meeting, Chicago, IL, October, 2012

Course Director, Evidence based medicine. North American Spine Society, Dallas, TX, October, 2012

Faculty, Registry reporting in spine care. North American Spine Society, Dallas, TX, October, 2012

Moderator, Research Awards. North American Spine Society, Dallas, TX, October, 2012

Visiting Professor, University of Florida, Gainesville, November, 2012

Honored Guest, Brazilian Spine Society, February, 2013

Faculty, AANS/CNS Joint Section on Disorders of the Spine, Plenary Session, Phoenix, AZ, March, 2013

Faculty, Congress of Neurological Surgeons Maintenance of Certification Course, Phoenix, March, 2013

Moderator, Food and Drug Administration Spine Device Forum, Washington, DC, March, 2013

Invited Speaker and Faculty, Lahey patient centered outcome assessment symposium- what matters most to actual patients? Boston, MA, March, 2013

Faculty, American Association of Neurological Surgeons Meeting, Quality Improvement and Reporting, April, 2013

Honored Guest, Michigan Neurosurgical Society, Traverse City, MI, May, 2013

Course Director, North American Spine Society Evidence Based Medicine, Chicago, IL, May, 2013

Visiting Professor, Mount Sinai School of Medicine, New York, NY, May, 2013

Invited Speaker and Faculty, Where is Spine Care Going? Strategies for the provider, producer, and investor. Johns Hopkins School of Medicine, Baltimore, May, 2013

Faculty and Moderator, Congress of Neurological Surgeons Lumbar Fusion Webinar, September, 2013

Faculty, Quality and Value in Neurosurgery, Congress of Neurological Surgeons Meeting, San Francisco, October, 2013

Faculty, Editors Choice Awards, Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2013

Faculty, Guidelines for Lumbar Fusion, Congress of Neurological Surgeons Meeting, San Francisco, October, 2013

Course director and Faculty, Evidence Based Medicine in Spine Care, North American Spine Society, New Orleans, October, 2013

Faculty, Minimally invasive Spine Surgery, North American Spine Society, New Orleans, October, 2013

Faculty, Registries and Comparative Effectiveness Research, North American Spine Society, New Orleans, October, 2013

Moderator, Bone Morphogenetic Protein- What Now? North American Spine Society, New Orleans, October, 2013

Honored Guest, Neurosurgical Society of India, Mumbai, December, 2013

Course Director and Faculty, Complications in Spine Surgery, Congress of Neurological Surgeons and Scoliosis Research Society, Jackson Hole, January, 2014

Invited Speaker and Faculty, Cervical Spondylotic Myelopathy Research Meeting, Washington, DC, January, 2014

Faculty, Guidelines and Outcomes in Spine Surgery, AANS/CNS Joint Section on Disorders of the Spine Meeting, Orlando, FL, March, 2014

Faculty, Advocacy in Spine Surgery, AANS/CNS Joint Section on Disorders of the Spine Meeting, Orlando, FL, March, 2014

Honored Guest, Israeli Neurosurgical Society, Tel Aviv, March, 2014

Honored Guest, Young Neurosurgeon's Committee Luncheon, American Association of Neurological Surgeons Meeting, San Francisco, April, 2014

Course Director and Faculty, Registries and Comparative Effectiveness Research. Breakfast seminar, American Association of Neurological Surgeons Meeting, San Francisco, April, 2014

Faculty, Evidence Based Guidelines for Lumbar Fusion, Congress of Neurological Surgeons Meeting, Boston, MA October, 2014

Presiding Officer, General Scientific Session I, Congress of Neurological Surgeons Meeting, Boston, MA October, 2014 (Introduction of the Congress)

Faculty, General Scientific Session II, Congress of Neurological Surgeons Meeting, Boston, MA October, 2014 (Presidential Address)

Faculty, General Scientific Session III, Congress of Neurological Surgeons Meeting, Boston, MA October, 2014 (Interview with Philip Glass)

Course Director and Faculty, Evidence Based Medicine in Spine Care, North American Spine Society Meeting, San Francisco, CA, November, 2014

Faculty, Management of peri-operative pain. North American Spine Society Meeting, San Francisco, CA, November, 2014

Honored Guest, Georgia Neurosurgical Society, December, 2014

Visiting Professor, Lennox Hill Hospital, NY, December, 2014

Course Director and Faculty, CNS Spine Complications Course, Lake Tahoe, NV, January, 2014

Honored Guest, Souixland Neurosurgical Summit, Phoenix, AZ, February, 2015

Faculty, Plenary Session, AANS/CNS Joint Section of Disorders of the Spine, Phoenix, AZ, March, 2015

Faculty, CNS MOC Course, Phoenix, AZ, March, 2015

Faculty, Guidelines and Policy, AANS/CNS Joint Section of Disorders of the Spine, Phoenix, AZ, March, 2015

Moderator, NASS FDA Symposium, Washington DC, May, 2015

Invited Speaker and Faculty, Comparative Effectiveness Research In Spine Surgery, Harvard Symposium sponsored by PCORI, Boston, MA, June, 2015

Faculty, NASS Webinar, Cervical Spondylosis, June, 2015

Faculty, Cleveland Hands on Spine, July, 2015

Invited Speaker, North Shore Hospital Symposium on Intraoperative Monitoring, July, 2015

Invited Speaker and Faculty, Pittsburgh Spine Summit, Nemacolin Woodlands, September, 2015

Faculty, Practical Course: Clinical Guidelines Development: A Primer on the Development and Review of Clinical Practice Guidelines. Congress of Neurological Surgeons Meeting, New Orleans, September 2015

Faculty, Controversies in Neurosurgery. Congress of Neurological Surgeons Meeting, New Orleans, September 2015

Faculty, Luncheon Seminar: Guidelines for Lumbar Spine Disease. Congress of Neurological Surgeons Meeting, New Orleans, September 2015

Faculty, Minimally Invasive Spine Surgery. North American Spine Society Meeting, Chicago, October, 2015

Faculty, Fundamentals of Evidence Based Medicine, North American Spine Society Meeting, Chicago, October, 2015

Faculty, Cervical Spine Stabilization, North American Spine Society Meeting, Chicago, October, 2015

Faculty, Choosing the Correct Outcomes Measures for the Lumbar Spine. North American Spine Society Meeting, Chicago, October, 2015

Visiting Professor, Department of Neurosurgery, Brigham and Women's Hospital, Harvard Medical School, October, 2015

Keynote Speaker, Kluwer Symposium, University of Chicago, January, 2016

Course Director and Faculty: Crossing the Chasm: Critical Review for Spine Surgeons. Park City, UT, February 2016

Faculty, NASS Spine Technology Update, Park City, UT, February, 2016

Faculty, AANS/CNS Joint Section on Disorders of the Spine, Scientific Session VII, Current Challenges in Legislative Advocacy for Spine Care. Orlando, March 2016

Faculty, CNS Maintenance of Certification Course, Orlando, March, 2016

Faculty, CAST Fellowships, Society of Neurological Surgeons, Indianapolis, June, 2016

Faculty, North American Spine Society Spine Summit, Chicago, IL, August, 2016

Keynote Speaker, Korean Spine Society, Seoul, Korea, September, 2016

Faculty, Guidelines for the performance of lumbar fusion. Congress of Neurological Surgeons Meeting, September, 2016

Faculty, Quality Improvement in Neurosurgery. Congress of Neurological Surgeons Meeting, September, 2016.

Faculty, What is NASS Doing for You? North American Spine Society Meeting, October, 2016

Examiner, ABNS Oral Board Examination. Houston, November, 2016

Visiting Professor, Wang Lectureship, University of Miami, December, 2016

Fager Lecturer, Lahey Clinic, Boston, January, 2017

Course Director, Spine Complications Course, Congress of Neurological Surgeons, January, 2017

Faculty, NASS Evidence and Technology Summit, Park City, February, 2017

Faculty, Ahead of the Curve: Quality, Patient Reported Outcomes, and Registries. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, NV, March, 2017

Faculty, Quality and Healthcare Quality Breakout Session. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, NV, March, 2017

Faculty, Ahead of the Curve, Transformative Innovations in Spine Surgery. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, NV, March, 2017

Faculty, Cranial cervical junction. AANS Practical course, Los Angeles, CA, April, 2017

Examiner, ABNS Oral Board Examination, Houston, May, 2017

Faculty, Fusion Guidelines Update, Congress of Neurological Surgeons Plenary Session, Boston, October, 2017

Faculty, Management of Failed Back Surgery- Stimulation versus Surgery. Congress of Neurological Surgeons Dinner Seminar, Boston, October, 2017

Faculty, Evolution of Outcomes Reporting in Spine. North American Spine Society, Orlando, October, 2017

Keynote Speaker, Belgian Spine Symposium, Brussels, November, 2017

Examiner, ABNS Oral Board Examination, Phoenix, November, 2017

Visiting Professor, New York University, New York, December, 2017

Course Director, From Base to Summit, Complication Avoidance in Spine Surgery, Park City, February, 2017

Visiting Professor, Ohio State University Department of Neurosurgery, February, 2018

Faculty, Evidence and Technology in Spine. Park City, February, 2018

Faculty, Hot Topic Debates, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2018

Faculty, Mentorship Symposium, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2018

Faculty, Cahill Controversies Session, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2018

Keynote Speaker, BritSpine, Leeds, UK, March, 2018

Visiting Professor, Northwestern University School of Medicine, April, 2018

Visiting Professor, University of Pittsburgh Department of Neurological Surgery, April, 2018

Keynote Speaker, Jannetta Symposium, University of Pittsburgh, April, 2018

Faculty, Spine Surgery in the Elderly Population, AANS Practical Course, New Orleans, April, 2018

Faculty, Minimally Invasive Spine Surgery, AANS Practical Course, New Orleans, April, 2018

Faculty, Sonntag Lectureship, American Association of Neurological Surgeons, New Orleans, May, 2018

Presidential Address, Plenary Session, North American Spine Society, Los Angeles, September, 2018

Faculty, Complications in Spinal Surgery, Congress of Neurological Surgeons, Practical Course, Houston, October, 2018

Faculty, Plenary Session: Patient Selection in Spinal Surgery, Congress of Neurological Surgeons, Houston, October, 2018

Keynote Speaker, Belgian Spine Society, Brussels, November, 2018

Faculty, CNS Spine Complications Course, Park City, February, 2019

Faculty, NASS Evidence and Technology Meeting, Park City, February, 2019

Faculty, Plenary Session, AANS/CNS Joint Section on Spine and Peripheral Nerves, Miami, March, 2019

Visiting Professor, Wake Forest University, Winston Salem, NC, March, 2019

Faculty, Benzel Symposium, AANS, San Diego, April, 2019

Visiting Professor, Medical College of Wisconsin, June, 2019

Visiting Professor, Dept. of Neurosurgery, University of Buffalo, August, 2019

Faculty, Complication Avoidance in Spinal Surgery, North American Spine Society, Boston, September, 2019

Course Director, Complication Management in Spinal Surgery, Congress of Neurological Surgeons, San Francisco, October, 2019

Faculty, Update for Program Coordinators. Congress of Neurological Surgeons, San Francisco, October, 2019

Faculty, University of Wisconsin Spine Forum, Madison, November, 2019

Faculty, Complication Avoidance and Management, Congress of Neurological Surgeons, Park City, February, 2020

Faculty, Plenary Session, Meritorious Service Awards, AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020

Invited Speaker, Young Neurosurgeons Dinner, AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020

Moderator, Training paradigms for spine surgeons. AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020

Discussant, Kuntz Abstract Award Winners, AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020

Virtual Visiting Professor, Congress of Neurological Surgeons, April, 2020

Faculty, Just in Time Information for Program Directors, Society of Neurological Surgeons, May, 2020

Visiting Professor, Mayo Clinic Scottsdale, February, 2021

Invited Speaker and Faculty, Brazilian Congress of Spine Surgery, March, 2021

Virtual Visiting Professor, Department of Neurosurgery, University of Texas, Austin, June, 2021

Invited Speaker, Fridays with Friedlander, Pittsburgh, PA, July, 2021

Faculty, Plenary Session, Meritorious Service Awards, AANS/CNS Joint Section on Disorders of the Spine, San Diego, July, 2021

Faculty, Special Course, Early Career Advice for Spine Surgeons, AANS/CNS Joint Section on Disorders of the Spine, San Diego, July, 2021

Faculty, Plenary Session, The Future of Spine Surgery. AANS/CNS Joint Section on Disorders of the Spine, San Diego, July, 2021

Upcoming Invitations:

Visiting Professor, Mayo Clinic Florida, TBA

Local and Regional Education and Service:

Residency Program Director, Department of Neurosurgery, University of Wisconsin School of Medicine and Public Health, 2012-present

Co-Director, Neurosurgery Spine Surgery Program, 1999-present

Instructor, Directed study in Neuroscience Research (Neuroscience 682) 2011-2018

Alternate Member, UWHC Medical Board, 2015-2018

University of Wisconsin Faculty Senate Representative, Neurosurgery, 2015 to 2016

Member, University of Wisconsin Hospital Credentials Committee, 2009-2018

Member, UWHC Operating Room Surgeons Advisory Committee, 2009- present

Chairman, Neurosurgical Resident Academic Achievement Award Committee, 2001- present

Chairman, Neurosurgical Faculty Teaching Award Committee, 2001- present

Member, University of Wisconsin School of Medicine and Public Health Council of Faculty Development. 2017-present

Member, University of Wisconsin Medical School Promotions Committee (Tenure track), (appointed position), 2011-2014 and 2017-2020

Course Director, University of Wisconsin School of Medicine Clinical Neuroscience Course, 2005-2012

Co-Course Director, Clinical Neuroscience Course (required M3 course for medical students), University of Wisconsin, 2001 - 2005

Member, University of Wisconsin Medical School Educational Policy Council (EPC), 2000-2003 (Appointed position)

Member, Academic Policy Council (APC), University of Wisconsin Medical School (elected position) 2003-2006

Member, Academic Policy Council, Appointed by University of Wisconsin School of Medicine Faculty Advisory Committee, 2010-2011, 2011-12

Member, University of Wisconsin Medical School Promotions Committee (CHS), (appointed position) 2004-2007

Chairman, University of Wisconsin Medical School Promotions Committee (Tenure track). 2012-2014

Member, Medical Board, University of Wisconsin Hospital, (elected position) 2005-2007, 2010-2012

Member, University of Wisconsin Medical Foundation Finance Committee (elected representative from District 3), 2008-2011.

Member, University of Wisconsin School of Medicine Faculty Advisory Committee, 2010-2013 (elected representative from the medical faculty)

Chairman, University of Wisconsin School of Medicine Faculty Advisory Committee, 2012-2013

Member, University of Wisconsin Hospital Accreditation Advisory Council, 2012-present

Member, Selection Committee for the Lily's Fund Fellow in Epilepsy Research, UWSMPH, 2011, 2012, 2013, 2017

Member, University of Wisconsin Hospital and Clinics Quality Council, 2011-2012

Member, University of Wisconsin School of Medicine Dean's Teaching Award Committee, 2010

Member, UWHC Capital Allocations Advisory Committee, 2010- present

Member, University of Wisconsin School of Medicine Task Force on Industry Conflict of Interest in the Clinical Setting, 2008-2009

Member, Curriculum Review Committee for M-1 Renal course, 2003

Chairman, Neuroscience Curriculum Review Committee, University of Wisconsin Medical School, 2002

Member, UWMF Administrative Services Subcommittee, UWMF Finance Committee, 2008-2010

Member, UW School of Medicine Honors and Awards Committee, 2008, 2009

Lecturer, Clinical Neuroscience Course (two 90 minute lectures given to all M3 medical students), 1999- present

Instructor and Coordinator for Neurosurgery, Patient, Doctor and Society Course (required course for all M1 and M2 students, 8-10 two hour meetings per semester), 1998-2003

Participant, Medical Education and Leadership Development Course, 1998-1999, University of Wisconsin

Member, University of Wisconsin Medical School Committee on Course Architecture, 2000-2001

Examiner, Year End Professional Skills Assessment, Neuroscience Station, (developed, administered, and coordinated neuroscience station) 1999-2002

Faculty, University of Wisconsin Nursing School advanced course for nurse practitioners. February, 2002, 2003, 2004, 2005, 2006

Faculty, Neurosurgical resident board review course, 1998-present (3-4 1 hour lecture or laboratory sessions each year)

Member, Ad Hoc Committee on Carotid Stenting, 2001-2003

Co-Founder and Director, Spinal Cord Injury, Regeneration, and Plasticity (SCIRP) work group, 2003-2006

Participant, Residency application program for M-3 students, March, 2003

Mentor, Caroline Schmitt, Medical Student working in lab (Shapiro Award Winner), 2003

Mentor, Rigoberto Marin, Medical Student working on clinical project (Shapiro Award Winner), 2003

Mentor, Jason Isaacson, Undergraduate student working in lab, 2003-2005

Faculty, Transitional Clerkship Program "Clinical Practice Guidelines" for M-3 students, July 7, 2003

Faculty, Comprehensive Pain Board Review Symposium, University of Wisconsin CME program, Madison, WI, July, 2003

Faculty, Spine Trauma Challenges and Considerations for the Neuroscience Nurse, Madison, WI, November, 2003

Mentor, Melkon Domburian, Medical Student working in lab (Shapiro Award winner), 2004.

Mentor, Nicholas Turner, Undergraduate Research Student scholar, 2004-2005, College of Letters and Sciences Apprenticeship Award winner, 2005

Mentor, Tiffany Gerovac, Undergraduate Research Student Scholar, 2004, 2005, 2006, Hilldale Scholarship Award winner, 2005, Trewartha Grant Recipient, 2006

Member, UWH In-Patient Medical Record Documentation Focus Group, January, 2005

Mentoring Committee, for Dr. J. George Thomas of Orthopedics and Rehabilitation, 2005-2012

Mentoring Committee, for Dr. David Niemann, Department of Neurosurgery, 2005-2012

Mentor, Undergraduate Research Symposium, April 2005

Lecturer, Molecular Mechanisms of Neuronal Death, Neuroscience Training Program Course, 2005

Mentor, Omar Al Hashimi, Medical Student and Shapiro Award Winner (2005)

Secretary, Wisconsin State Neurosurgical Society, 2005-2006

Mentor, Michael Steinmetz, Neurosurgery Spine Fellow, 2005-2006

Mentor, Zachary Siehoff, UW Undergraduate Research Scholar 2005-2007

Mentor, Bradley Allcock, UW Undergraduate Research Scholar 2005-2007

Mentor, Shannon McChesney, UW Undergraduate Research Scholar 2005-2007

Mentor, Jessica Tilghman, UW Undergraduate Research Scholar 2005-2007, Hilldale Award Winner 2007-2008

Mentor, Ami Patel, UW Undergraduate Research Scholar 2005-2009

Mentor, Espen Hesselberg, UW Undergraduate Research Scholar 2005-2007

Mentor, Nathaniel Brooks, Neurosurgical Resident, ABNS Board Review Tutor, 2006-2007

Mentor, Sharad Rajpal, Resident Research Rotation Supervisor, 2006-2007

Faculty Advisor, General Surgery Journal Club: Steroids and Spinal Cord Injury, January, 2006

Mentor, Ahmed Cheema, UW Medical Student Shapiro Award Winner, 2006

Mentor, Chris Seebruck, UW Medical Student Shapiro Award Winner, 2006

Mentor, Michael Boisen, UW Medical Student Shapiro Award Winner, 2006

Member, Dean's Teaching Award Selection Committee, 2007

Mentor, Clayton Sweeney, UW Undergraduate Research Scholar, 2007, 2008, 2009

Mentor, John Henry Cain, UW Medical Student Shapiro Award winner, 2007

Lecturer, UW Medical School, Neuroscience 731, April, 2007

Chairman, Mentoring Committee, Dr. Brian Walsh, Department of Neurosurgery, 2007-2008

Member, Bicycle-Pedestrian Subcommittee of the UW Campus Transportation Committee, 2007-2009

Chairman, Search Committee for Neuro-Critical Care Specialist, UW Department of Neurosurgery, 2007-2008

Member, Resident candidate review committee, UW Department of Neurosurgery, 2007-2008

Chairman, Mentoring Committee, Dr. Karl Sillay, UW. Department of Neurosurgery, 2007-present

Mentor, Francesca Anna Norante, UW Undergraduate Research Scholar, 2007-8

Mentor, Mohamed Nasereldin, UW Undergraduate Research Scholar, 2007-9

Mentor, Stephanie Marie Kumm, UW Undergraduate Research Scholar, 2007-2008

Vice President, Wisconsin State Neurosurgical Society, 2008-2009

Guest Lecturer, UW School of Medicine Neuroscience Student Interest Group, Feb, 2008.

Participant, UW School of Medicine Core Day: Preparing for the 3rd year. Feb, 2008.

Member, University of Wisconsin School of Medicine Curriculum Oversight Committee: Neuroscience Area, 2008-2009

Mentor, Hyung Kyung (Chloe) Lee, UW Undergraduate Research Scholar, Sophomore Honors Apprenticeship, Hilldale Scholar, University of Wisconsin, 2008, 2009
Mentor, Melissa Ramsey, UW Medical School Shapiro Scholar, 2008
Mentor, Shane Pearce, UW Medical School Shapiro Scholar, 2008
Participant, Clerkship Director's Retreat, December, 2008, Madison, WI
Chairman, Search committee for spine faculty, UW Department of Neurosurgery, 2008-2009
Mentor, Mostafa Ahmed, UW Medical School Shapiro Scholar, 2009, American Association of Neurology Scholarship Award Winner, 2009-2010
Mentor, Tera Hasbargen, UW Medical School Shapiro Scholar, 2009
Mentor, Amy Beth Mossman, UW Nursing Student, 2009
Mentor, Kevin King, UW Undergraduate Research Scholar, 2008-2010
Mentor, Crystal Montanez, UW Undergraduate Research Scholar, 2008-2010
Mentor, Rachel Ann Lester, UW Undergraduate Research Scholar, 2008-2010
Participant, Clerkship Director's Retreat, March, 2010, Madison, Wisconsin
Mentor, Evan Kreuger, visiting medical student, 2010
Mentor, Zach Clark, UW Medical School Shapiro Scholar, 2010
Mentor, Hanna Lynn Knurr, UW Undergraduate Research Scholar, 2010
Mentor, Michael J. Ruiz, UW Undergraduate Research Scholar, 2010
Mentor, Ross Squires, UW Undergraduate Research Scholar, 2010
Mentor, Mark Ehlers, UW Undergraduate Research Scholar, 2010, 2011
Mentor, Junhwa Kim, UW Undergraduate Research Scholar, 2010
Mentor, Lindsay Raab, UW Undergraduate Research Scholar, 2010
Mentor, Taehee Kim, UW Undergraduate Research Scholar, 2010-11
Mentor, Esther Li, UW Undergraduate Research Scholar, 2010-11
Mentor, Erin Lehman, UW Undergraduate Research Scholar, 2010-11, 2011-12
Mentor, Nayab Khan, UW Undergraduate Research Scholar, 2010-11
Mentor, Ruby Valadez, UW Undergraduate Research Scholar, 2010-11
Mentor, VJ Wesley, UW Undergraduate Research Scholar, 2010-11
Mentor, Nimrat Gill, UW Undergraduate Research Scholar, 2010-11
Mentor, Jeanet Ugalde, UW Madison Undergraduate Research and mentoring Award Recipient, 2011-2013
Mentor, Kevin King, Hilldale Scholarship Recipient, 2011-2012
Mentor, Dominic Schomberg, UW Medical School Shapiro Scholar, 2011
Mentor, Darryl Fields, UW Medical School Shapiro Scholar, 2011
Mentor, Nicandro Figuerida, Visiting Neurosurgeon from Brazil, September 2011-April, 2012
Mentor, Bryan Rynearson, Shapiro Scholar, University of Wisconsin School of Medicine, 2012
Mentor, Kassy Kirchner, UW Undergraduate Research Scholar, 2012
Mentor, Annika Deitermann, UW Undergraduate Research Scholar, 2012, 2013, 14
Mentor, Nayab Kahn URS Scholar, 2012, 2013, 2014
Mentor, Youhi Ghouse, URS Scholar, 2012
Mentor, Nimrat Gill, URS Scholar, 2012
Mentor, James Aksamit, URS Scholar, 2012
Mentor, Steven Siegel, URS Scholar, 2012
Mentor, Dong Ho Jeon, URS Scholar, 2012
Mentor, Krissy Obiakor, URS Scholar, 2012
Mentor, Ruby Valadez, URS Scholar, 2012

Chairman, mentoring committee, Dr. Julie Olson, Department of Neurosurgery, 2011-2014
Lecturer, Introduction to Public Health, PHS 781, October, 2012
Mentor, Andrew Crowell, Undergraduate Research Scholar, 2012-15
Mentor, H.T. Kim, Undergraduate Research Scholar, 2012-2013
Mentor, Marcio Cardoso, Visiting Neurosurgeon from Brazil, 2012
Chairman, mentoring committee, Dr. Azam Ahmed, Department of Neurosurgery, 2012-present
Member, Thesis Committee, H. T. Kim
Member, Grant Review Committee, Lily's Fund, University of Wisconsin School of Medicine, 2013-14
Mentor, Lisa Liu, Undergraduate Research Scholar, 2013-2015
Mentor, Alice Wnuk, Undergraduate Research Scholar, 2013-2015
Mentor, Kimberly Xia, Undergraduate Research Scholar, 2013-2014
Mentor, Alan Webster, Undergraduate Research Scholar, 2013-2014
Mentor, Janki Patel, Undergraduate Research Scholar, 2013-2014
Mentor, Carrie Ann Nacht, Undergraduate Research Scholar, 2013-15
Mentor, Douglas Gonzales, MD, visiting neurosurgery resident from Brazil, 2013
Mentor, Helder Ribeiro, visiting medical student from Brazil. 2014
Mentor, Amir Dadgostar, visiting neurosurgeon from Iran, 2014
Mentor, Dominic Schomberg, UW Medical School Special Student, 2014
Mentor, Pryanka Sikka, Undergraduate Research Scholar, 2015
Mentor, Kush Patel, Undergraduate Research Scholar, 2015
Mentor, Suyog Buttar, Undergraduate Research Scholar, 2015
Mentor, Therese Howe, Undergraduate Research Scholar, 2015
Mentor, Vishavdeep Singh, Undergraduate Research Scholar, 2015
Mentor, Patrick Moran, Undergraduate Research Scholar, 2015
Mentor, Jillian Joslin, Undergraduate Research Scholar, 2015
Mentor, Annika Deitermann, Undergraduate Research Scholar, 2015
Mentor, Neel Kapoor, Undergraduate Research Scholar, 2015
Mentor, Patricia Yutuc, Undergraduate Research Scholar, 2015
Mentor, Alexandra Razdin, Undergraduate Research Scholar, 2015
Mentor, Abhishek Chopra, Undergraduate Research Scholar, 2015

Peer Review Activities:

Editor:

The Spine Journal: Focus Issue on Cervical Myelopathy
 November, 2006

Series Editor

Neurosurgery Clinics of North America, 2015- present

Principal Editor/Deputy Editor/Section Editor:

Neurosurgery Clinics of North America, Controversies in Brain and Spinal Surgery, October, 2017

Neurosurgery, 2009-2014, Editorial Advisory Board 2014-present

The Spine Journal 2004-2011 (Journal of the North American Spine Society)

Self Assessment in Neurological Surgery (SANS Wired).

Editorial Review Board or Associate Editor:

Acta Neurochirurgica (Journal of the European Association of Neurosurgical Societies)

Journal of Spinal Disorders

Neurosurgery (Journal of the Congress of Neurological Surgeons)

ISRN Orthopedics

NeuroSpine

Open Access Surgery

The Open Neurology Journal

The Open Neurosurgery Journal

The Open Spine Journal

Spine

The Spine Journal (Journal of the North American Spine Society)

Spinal Surgery (Journal of the Japanese Society of Spine Surgery)

Yearbook of Neurology and Neurosurgery

Sentinel Reader:

McMaster Online Rating of Evidence (MORE), Evidence Based Medicine, 2006-present

Ad Hoc Reviewer:

American Journal of Neuroradiology

American Journal of Physical Medicine and Rehabilitation

Anesthesia and Analgesia

Archives of Physical Medicine and Rehabilitation

BMC Anesthesiology

BMC Neuroscience

BMC Musculoskeletal Disorders

Brain Research

Cancer Control: Journal of the Moffitt Cancer Center

Case Reports in Medicine

Case Reports in Neurological Medicine

Cellular and Molecular Life Sciences

Clinical Anatomy
European Journal of Radiology
Evidence Based Complimentary and Alternative Medicine
Expert Opinion On Medical Diagnostics
Future Medicine
Future Rheumatology
Intensive Care Medicine
International Journal of Biomedical Science
ISRN Orthopedics
Journal of the American College of Surgeons
Journal of Applied Physiology
Journal of Emergencies, Trauma, and Shock
Journal of Neurochemistry
Journal of Neurology, Neurosurgery, and Psychiatry
Journal of Neurophysiology
Journal of Neuroscience
Journal of Neuroscience Research
Journal of Pain Practice
Journal of Pain Research
Journal of Zhejiang University Science
Lancet
Mayo Clinic Proceedings
Medical Science Monitor
Nanomedicine
Neurochemical Research
Neurology
Neurosurgical Focus
Open Spine Journal
Pharmacology, Biochemistry and Behavior
The Physician and Sports Medicine
The Surgery Journal
PloS One
Scandinavian Journal of Rheumatology
Yonsei Medical Journal

Other Professional Activites:

Member, Research Advisory Council, Asterias, 2013
Member, Medical Advisory Board, Nuvasive Inc., 2003 to 2004
Member, Medical Advisory Board, Orthovita Inc., 1999 to 2004
Member, Gerson Lehman Council of Advisors, 2002 to present
Member, Princeton Alumni Schools Committee, 1998 to present
Consultant, Medtronic Sofamor Danek, 2005- 2007
Medical Expert, Medexpert Medical Support, 2006-present
Medical Expert, Best Doctors Inc., 2006-present

Medical Expert, Coleman Research GroupCertification and Licensure:

National Board of Medical Examiner's, Diplomat, 1992
 American Board of Neurological Surgeons, Diplomat, 2001, Recertified 2011 through 2021
 Pennsylvania Medical License (inactive)
 Wisconsin Medical License
 DEA Certification
 Basic Life Support through 2017
 Advanced Cardiovascular Life Support through 2019

Publications in Refereed Journals:

Total Citations	13,304	
H Index	61	
i10 Index	185	Google Scholar, May 1, 2020

1. **Resnick DK**, Hellman F, Mirchandani H, Goodman D: Human immunodeficiency virus infection in cases presenting to the Philadelphia medical examiner's office. American Journal of Forensic Medicine and Pathology 12: 200-203, 1991.
2. **Resnick DK**: Delayed pulmonary perforation: a rare complication of tube thoracostomy. Chest 103: 311-313, 1993.
3. **Resnick DK**, Marion DW, Darby J: The effect of moderate hypothermia on the development of delayed traumatic intracerebral hemorrhage in severely head injured patients. Neurosurgery 34: 252-256, 1994.
4. **Resnick DK**, Shields P: Cystic lesion of the C2 vertebral body: a management dilemma. Journal of Spinal Disorders 7: 533-539, 1994.
5. **Resnick DK**, Pollack IF, Albright LA: The surgical management of the cloverleaf skull malformation. Pediatric Neurosurgery 22: 29-38, 1995.
6. **Resnick DK**, Jannetta PJ, Bissonette DJ, Jho HD, Lanzino G: Microvascular decompression for glossopharyngeal neuralgia. Neurosurgery 36: 64-69, 1995.
7. **Resnick DK**, Comey CH, Welch WC, Martinez AJ, Hoover B, Jacobs GB: Isolated toxoplasmosis of the spinal cord presenting as acute transverse myelitis. Journal of Neurosurgery 82: 493-496, 1995.
8. Clyde BL, **Resnick DK**, Yonas H, Smith H: The relationship of transcranial doppler flow velocity to stable xenon/CT measured cerebral blood flow following aneurysmal subarachnoid hemorrhage. Neurosurgery 38: 896-905, 1996.
9. **Resnick DK**, Johnson B, Lovely TJ: Rosai-Dorfman disease presenting with multiple orbital and intracranial masses. Acta Neuropathologica 91: 554-557, 1996.

10. **Resnick DK**, Jannetta PJ, Lunsford LD, Bissonette DJ: Microvascular decompression for trigeminal neuralgia in patients with multiple sclerosis. Surgical Neurology, 46(4): 358-362, 1996.
11. **Resnick DK**, McLaughlin MR, Albright AL: Primary endodermal sinus tumor presenting with spinal cord compression. Journal of Neurosurgery 86(1): 151-153, 1997.
12. **Resnick DK**, Subach BR, Marion DW: The significance of carotid canal involvement in basilar skull fracture. Neurosurgery 40(6): 1177-1181, 1997.
13. **Resnick DK**, Marion DW, Carlier P: Outcome assessment of patients with severe head injuries and prolonged intracranial hypertension. Journal of Trauma 42(6): 1108-1111, 1997.
14. Levy EI, **Resnick DK**, Jannetta PJ, Lovely TJ, Bissonette DJ: Pediatric hemifacial spasm: the efficacy of microvascular decompression. Pediatric Neurosurgery 27: 238-241, 1998.
15. **Resnick DK**, Benzel EC: Complications associated with the lateral extracavitary approach to the thoracic and thoracolumbar spine. Neurosurgery 43: 796-803, 1998.
16. **Resnick DK**, Levy EI, Jannetta PJ: Pediatric onset trigeminal neuralgia: the efficacy of microvascular decompression. Neurosurgery 43: 804-808, 1998.
17. **Resnick DK**, Graham SH, Dixon CE, Marion DW: The role of cyclooxygenase - 2 in acute spinal cord injury. Journal of Neurotrauma 15: 1005-1012, 1998.
18. McLaughlin MR, Jannetta PJ, Clyde BL, Subach BR, Comey CH, **Resnick DK**: Microvascular decompression of the cranial nerves: Lessons learned after 4400 operations. Journal of Neurosurgery 90: 1-8, 1999.
19. **Resnick DK**, Jannetta PJ: Hyperactive rhizopathy of the vagus nerve caused by and treated by microvascular decompression. Journal of Neurosurgery 90: 580-582, 1999.
20. Scarrow AM, Levy EI, **Resnick DK**, Adelson PD, Sclabassi RJ: SSEP monitoring for clearance of the pediatric cervical spine in multiply injured patients. Pediatric Neurosurgery 30: 169-175, 1999.
21. **Resnick DK**, Resnick NM, Welch WC, Cooper DJ: CD44 variant expression in tumors effecting the central nervous system. Molecular Diagnosis 4: 219-232, 1999.
22. **Resnick DK**: Neurosurgical education part 1: the neurosurgeon as an educator of medical students. Journal of Neurosurgery 92:637-641, 2000.
23. **Resnick DK**, Ramirez LF: Neurosurgical education part 2: Outcome improvement in medical education. Journal of Neurosurgery 92: 642-645, 2000.
24. Witwer B, Salamat MS, **Resnick DK**: Gliosarcoma metastatic to the cervical spinal cord. Surgical Neurology 54: 373-378, 2000.
25. Song G, Cechvala C, **Resnick DK**, Dempsey RJ, Rao VLR: Gene expression analysis after acute spinal cord injury in rat. Journal of Neurochemistry 79: 1-13, 2001
26. **Resnick DK**, Nguyen P, Cechvala C: Regional and temporal changes in prostaglandin E2 and thromboxane B2 concentrations following spinal cord injury. The Spine Journal 1: 432-436, 2001.
27. **Resnick DK**, Nguyen P, Cechvala C: Selective cyclooxygenase 2 inhibition lowers spinal cord prostaglandin concentrations following traumatic injury. The Spine Journal 1: 437-441, 2001.
28. **Resnick DK**, Benzel EC: C1-C2 Pedicle screw fixation: case report and technical note. Neurosurgery 50(2): 426-428, 2002.
29. **Resnick DK**: Ventral cervical-thoracic junction corpectomy and fusion with plate fixation without sternotomy. Neurosurgical Focus 12(1): Article 7, 2002.

30. **Resnick DK:** Vitoss, a new tricalcium phosphate synthetic bone substitute. Neurosurgery 50: 1162-1164, 2002.
31. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Cervical spine immobilization before admission to hospital. Neurosurgery 50 (3): S7-17, 2002.
32. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Transportation of patients with acute traumatic spine injuries. Neurosurgery 50 (3): S18-20, 2002.
33. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Clinical assessment after acute cervical spinal cord injury. Neurosurgery 50 (3): S21-29, 2002.
34. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Radiographic assessment of the cervical spine in asymptomatic trauma patients. Neurosurgery 50 (3): S30-35, 2002.
35. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Radiographic assessment of the cervical spine in symptomatic trauma patients. Neurosurgery 50 (3): S36-43, 2002.
36. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Initial closed reduction of cervical spine fracture-dislocation injuries. Neurosurgery 50 (3): S44-50, 2002.
37. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Management of acute spinal cord injuries in an intensive care unit or other monitored setting. Neurosurgery 50 (3): S51-57, 2002.
38. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Blood pressure management after acute spinal cord injury. Neurosurgery 50 (3): S58-62, 2002.
39. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Pharmacological therapy after acute cervical spinal cord injury. Neurosurgery 50 (3): S63-72, 2002.
40. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Deep venous thrombosis and thromboembolism in patients with cervical spinal cord injuries. Neurosurgery 50 (3): S73-80, 2002.
41. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Nutritional support. Neurosurgery 50 (3): S81-84, 2002.
42. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Management of pediatric cervical spine and spinal cord injuries. Neurosurgery 50 (3): S85-99, 2002.
43. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Spinal cord injury without radiographic abnormality. Neurosurgery 50 (3): S100-104, 2002.
44. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Diagnosis and management of traumatic atlanto-occipital dislocation injuries. Neurosurgery 50 (3): S105-113, 2002.

45. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Occipital condyle fractures. Neurosurgery 50 (3): S114-119, 2002.
46. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Isolated fractures of the atlas in adults. Neurosurgery 50 (3): S120-124, 2002.
47. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Isolated fractures of the axis in adults. Neurosurgery 50 (3): S125-139, 2002.
48. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Management of combination fractures of the atlas and axis in adults. Neurosurgery 50 (3): S140-147, 2002.
49. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Os odontoideum. Neurosurgery 50 (3): S148-155, 2002.
50. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Treatment of subaxial cervical spinal injuries. Neurosurgery 50 (3): S156-165, 2002.
51. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Management of acute central cervical spinal cord injuries. Neurosurgery 50 (3): S166-172, 2002.
52. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, Przybylski GJ, **Resnick DK**, Ryken TC: Guidelines for the management of acute spinal cord injury: Management of vertebral artery injuries after non-penetrating cervical trauma. Neurosurgery 50 (3): S173-178, 2002.
53. **Resnick DK**, Lapsiwala S, Trost GR: Anatomic suitability of the C1-2 complex for pedicle screw fixation. Spine 24(14): 1494-1498, 2002.
54. Haughton VM, Rogers BP, Meyerand ME, **Resnick DK**: Axial rotations measured in vivo by MRI in patients with back pain and unstable motion segments. American Journal of Neuro-Radiology 23: 1110-1116, 2002.
55. **Resnick DK**, Ryken TC, Malone DG: Guidelines for the use of lumbar discography for the presurgical evaluation of low back pain. Neurosurgical Focus 13(2): Article 12, 2002.
56. **Resnick DK**, Catherine F. Cechvala, Yiping Yang, Brian C. Witwer, Dandan Sun, Suchun Zhang: Adult and Embryonic Olfactory Cell Transplantation For Acute Spinal Cord Injury. Journal of Neurotrauma 20: 279-285, 2003.
57. Badie B, Schartner J, Prabakaran S, Peebles TR, Bartley B, Lapsiwala S, **Resnick DK**, Vorpahl J: Microglia cyclooxygenase 2 expression: possible role in tumor edema formation. Clinical Cancer Research 9: 872-877, 2003.
58. **Resnick DK**: Prospective comparison of virtual fluoroscopy to fluoroscopy and plain radiographs for placement of lumbar pedicle screws. Journal of Spinal Disorders 16 (3): 254-260, 2003
59. Witwer B, **Resnick DK**: Delayed esophageal perforation without instrumentation failure: case report and review of the literature. Journal of Spinal Disorders 16(6): 519-523, 2003.
60. Ryken TC, Eichholz KM, Gerszten PC, Welch WC, Gokoslan ZL, **Resnick DK**: Evidence based review of the surgical management of vertebral column metastatic disease. Neurosurgical Focus 15(5): Article 11, 2003
61. Swartz KR, **Resnick DK**, Iskandar BJ, Wargowski D, Brockmeyer D, Opitz

- JM: Craniocervical Anomalies in the Dubowitz Syndrome: Three Cases and Literature Review. Pediatric Neurosurgery 38: 238-245, 2003.
62. Bradley KA, Tome WA, **Resnick DK**, Mehta MP: Treatment of trigeminal neuralgia with linac-based radiosurgery. Radiosurgery 5: 1-10, 2004.
 63. **Resnick DK**, Schmitt CE, Miranpuri GS, Dhodda VK, Isaacson J, Vemuganti RL: Molecular evidence of plasticity and repair in the chronically injured spinal cord. NeuroReport 15(5): 837-839, 2004.
 64. Iskandar BJ, Nelson A, **Resnick DK**, Pate Skene JH, Gao P, Johnson C, Cook TD, Harihan, N: Folic acid supplementation enhances repair of the adult CNS. Annals of Neurology 56(2):221-227, 2004.
 65. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 1: methodology for the lumbar fusion guidelines project. Journal of Neurosurgery: Spine 2: 635-636, 2005
 66. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 2: assessment of functional outcome. Journal of Neurosurgery: Spine 2: 637-644, 2005
 67. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 3: assessment of economic outcome. Journal of Neurosurgery: Spine 2: 645-650, 2005
 68. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 4: radiographic assessment of lumbar fusion. Journal of Neurosurgery: Spine 2: 651-655, 2005
 69. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 5: correlation between radiographic and functional outcome. Journal of Neurosurgery: Spine 2: 656-659, 2005
 70. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 6: magnetic resonance imaging and discography for patient selection for lumbar fusion. Journal of Neurosurgery: Spine 2: 660-667, 2005
 71. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 7: intractable low back pain without stenosis or spondylolisthesis. Journal of Neurosurgery: Spine 2: 668-670, 2005
 72. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 8: lumbar fusion for disc herniation and radiculopathy. Journal of Neurosurgery: Spine 2: 671-676, 2005
 73. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar

- fusion for degenerative disease of the lumbar spine. Part 9: fusion in patients with lumbar stenosis and spondylolisthesis. Journal of Neurosurgery: Spine 2: 677-683, 2005
74. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 10: fusion following decompression in patients with stenosis without spondylolisthesis. Journal of Neurosurgery: Spine 2: 684-689, 2005
 75. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 11: interbody techniques for lumbar fusion. Journal of Neurosurgery: Spine 2: 690-697, 2005
 76. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 12: Pedicle screw fixation as an adjunct to posterolateral fusion. Journal of Neurosurgery: Spine 2: 698-704, 2005
 77. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 13: Injection therapies for degenerative lumbar spine disease. Journal of Neurosurgery: Spine 2: 705-713, 2005
 78. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 14: Brace therapy as an adjunct to or substitute for lumbar fusion. Journal of Neurosurgery: Spine 2: 714-722, 2005
 79. **Resnick DK**, Choudhri TF, Dailey AT, Groff MW, Khoo L, Matz PG, Mummaneni P, Watters WC, Wang J, Walters BC, Hadley MN: Guidelines for the performance of lumbar fusion for degenerative disease of the lumbar spine. Part 15: electrophysiological monitoring and lumbar fusion. Journal of Neurosurgery: Spine 2: 732-730, 2005
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CNS University of Neurosurgery
<http://univ.cns.org/>

Evidence Based Spinal Surgery
<http://univ.cns.org/Secure/LectureMenu.aspx?ID=5301&CID=1&SID=2>

Lumbar Stenosis Guidelines
http://www.spine.org/forms/NASSCG_Stenosis.pdf

Lumbar Disc Arthroplasty: A critical Review
<http://univ.cns.org/Index.aspx>

Atlanto-Axial Fixation: Flexibility and Rigidity
<http://univ.cns.org/Index.aspx>

Guidelines for Antibiotic Prophylaxis in Spinal Surgery

http://www.spine.org/Documents/Antibiotic_Prophylaxis_Web.pdf

Guidelines for the Treatment of Degenerative Spondylolisthesis

http://www.spine.org/Documents/Spondylolisthesis_Clinical_Guideline.pdf

Guidelines for Antithrombotic Prophylaxis in Spinal Surgery

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Guidelines for the Management of Degenerative Cervical Disorders

http://www.spine.org/Documents/Cervical_Radiculopathy.pdf

The AANS/CNS Joint Section on Disorders of the Spine: A Living History- the First 25 Years

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Other Web Based Publications

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New Freedom for Those Suffering from Back Pain

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151. Quoted in: Tapping into Spine Surgery. CBS News, April 23, 2014,
<http://www.cbsnews.com/videos/tapping-into-controversial-back-surgeries-2>
152. Interviewed on WCCO (Minneapolis) by John Hines, April 28, 2014: What is appropriate back surgery?" <http://minnesota.cbslocal.com/show/the-john-hines-show>
153. Quoted in: Neurosurgery Contributes to Choosing Wisely. June, 2014.
<http://www.neurosurgeryblog.org/2014/06/24/neurosurgery-contributes-to-choosing-wisely-campaign/>
154. **Resnick DK**: Balancing access, safety, and appropriateness. CNS Quarterly, Summer, 2014
155. Harbaugh RE, Pilitsis JG, **Resnick DK**, Slavin KV: Spinal Cord Stimulation- In Response to the Wall Street Journal. CNS Quarterly, Summer, 2014
156. El Ahmadi TY, Harrop J, Batjer HH, **Resnick DK**, Bendok BR: Blinded peer assessment of surgical skills is feasible and can predict complication rates: A step toward measuring surgical quality. Neurosurgery 74: N12-14, 2014
157. **Resnick DK**: New Freedom for Those with Back Pain, July, 2014
<http://www.neurosurgeryblog.org/2014/07/09/independence-day-new-freedom-for-those-with-back-pain/>

158. Rampersaud R, **Resnick DK**: Comparative Effectiveness of Minimally Invasive vs. Open Posterior Spinal Fusion: Relative Value Remains in the Eye of Beholder. Spine 15(4): 13-16, 2014
159. Quoted in "Top 5 Tests to Avoid in Neurosurgery: Choosing Wisely." Medscape Medical News, June 26, 2014
160. Quoted in: IOM Calls for Sweeping Overhaul of Medical Education. <http://www.neurosurgeryblog.org/2014/08/07/iom-report-calls-for-sweeping-overhaul-of-medical-education-funding/>
161. **Resnick DK**: Compassion and Crisis. CNS Quarterly, Fall, 2014
162. McGirt MJ, **Resnick DK**, Edwards N, Angevine P, Mroz T, Fehlings MT: Background to Understanding Value-based Surgical Spine Care. Spine, in press, 2014
163. **Resnick DK**: Forward: Anatomy and Exposure of Peripheral Nerves. Hanna A. and Ehlers M. Elsevier, NY, 2014
164. Harbaugh RE, **Resnick DK**: Doctor's Billing Habits. Letter to the Editor, New York Times, September 28, 2014
165. Quoted in "Refining Neurosurgery Practices." Physicians Weekly 12(4), January 26, 2015
166. **Resnick DK**: SPORT 2006: What it meant and what we learned. CNS Essential Papers in Neurosurgery. Bendok BR, Ghogawala Z, El Tecle NE, Ragel BT, Asthagiri AR, , Resnick DK eds. Congress of Neurological Surgeons, Schaumburg, IL, 2014
167. Benzil D, **Resnick DK**: An interview with Philip Glass. CNS Quarterly, Winter, 2015
168. **Resnick DK**: Lake Bled from Tito's Castle. Photograph, World Neurosurgery, 2015
169. Listed in "20 Leaders in Spinal Surgery," Becker's Spine and Orthopedics Review, June, 2015
170. **Resnick DK**: CNS Foundation Update: Supporting the next generation of neurosurgical leaders and sustaining the future of practice guidelines. CNS Quarterly, Spring, 2016
171. **Resnick DK**, Steinmetz MP, Mummaneni P: CNS Complications Course. CNS Quarterly, Spring, 2016
172. Quoted in "Spine surgery education may benefit from integrative specialty training" in Spine Surgery Today, January, 2016
173. **Resnick DK**: The Employed Physician- Lessons Learned and Case Examples. Publication comment, Neurosurgery, 2016
174. **Resnick DK**: Politics, Practice, and Professionalism. Spine 18(4): 8-10 July-August, 2017.
175. **Resnick DK**: Be Specific. Spine 18(6): 10-12, NASS, Bur Ridge, IL, November-December, 2017
176. Interviewed on local news: <https://www.channel3000.com/news/madison-woman-shares-story-of-survival-after-recovery-from-a-gunshot-wound-to-the-head/691388175>, January, 2018
177. Quoted in "Spine Surgery Today" and by AP regarding Ohio Worker's Compensation Policy Change, January, 2018 <https://www.healio.com/orthopedics/spine/news/online/%7Baa4b498e-6ce0-4951-b8e8-62a8ca9345f3%7D/ohio-implements-new-rule-for-reimbursement-of-back-surgery-in-workers-compensation-patients>
178. **Resnick DK**: Goals and Objectives. Spine 19(1): 8-10. January-February, 2018,
179. **Resnick DK**: Exercise and the Pursuit of Balance. Congress of Neurological Surgeons Quarterly, CNS, Schaumburg, Spring, 2018

180. **Resnick DK:** Humbling. Spine 19(2): 8-10. March-April, 2018
181. **Resnick:** The Groove. Spine 19(3): 8-10, May-June, 2018
182. Quoted in "Becker's Spine Review," June 27, 2018
183. Quoted in "Orthopedic Design and Technology," June 27, 2018
184. Quoted in "Ortho Spine News," June 26, 2018
185. Quoted in "Spinal News International," June 26, 2018
186. Quoted in "Orthopedics Today/Spine Surgery Today," June 28, 2018
187. **Resnick DK:** Challenges in treating disorders of the spine. Informativo SBC 1 Trimestre, April-June 2018, page 20
188. **Resnick DK:** When is too good to be true really too good to be true? Spine 19(5): 8-10, Sept/Oct 2018
189. Quoted in "Curb: Fearless" UW School of Journalism, December, 2018
190. **Resnick DK:** The Science of Spine Surgery. AANS Neurosurgeon, Spring, 2019
191. **Resnick DK:** Unilateral versus bilateral reconstruction of the occipital cervical junction. Editorial comment, Neurosurgery, 2019
192. **Resnick DK:** Patient satisfaction measures and other perverse incentives in neurosurgery. Neurosurgery Podcast, October 22, 2019
193. **Resnick DK:** Interview in Spine Section Newsletter, Spring, 2020

Scientific Presentations

1. Farley J, **Resnick DK**, Auerbach S: Protein Kinase C closes single voltage dependent potassium channels in *Hermissenda* type B photoreceptors. Society for Neuroscience. New Orleans, LA., August, 1987.
2. **Resnick DK**, Marion DW, Darby JM: The effect of hypothermia on the incidence of delayed traumatic intracerebral hemorrhage. American Association of Neurological Surgeons Meeting. Boston, MA., April, 1993.
3. **Resnick DK**, Pollack IF, Albright LA: The surgical management of the cloverleaf skull malformation. American Association of Neurological Surgeons Pediatric Section Meeting. San Antonio, TX., December, 1993.
4. **Resnick DK**, Marion DW, Darby JM: The effect of moderate therapeutic hypothermia on the development of coagulopathy. American Association of Neurological Surgeons Meeting. San Diego, CA. April, 1994.
5. Clyde BL, Yonas H, **Resnick DK**, Smith H: Transcranial doppler lacks adequate specificity to guide clinical management following subarachnoid hemorrhage. Congress of Neurological Surgeons Meeting. Chicago, IL., October, 1994.
6. **Resnick DK**, Jannetta PJ, Bissonette DJ, Jho HD, Lanzino G: Microvascular decompression for glossopharyngeal neuralgia. Congress of Neurological Surgeons Meeting. Chicago, IL, October, 1994.

7. Clyde BL, Yonas H, Smith HA, **Resnick DK**, Kaufman AM: The relationship of transcranial doppler velocity to stable xenon/CT cerebral blood flow following aneurysmal subarachnoid hemorrhage. IWCVS International Workshop on Cerebrovascular Surgery, Chicago, IL., June, 1995.
8. **Resnick DK**, Marion DW, Carlier P: Outcome analysis of patients with severe head injuries and increased intracranial pressure recalcitrant to maximal medical and surgical management. Congress of Neurological Surgeons Meeting, San Francisco, CA., October 1995.
9. **Resnick DK**, Jannetta PJ, Lunsford LD, Bissonette DJ: Microvascular decompression for trigeminal neuralgia in patients with multiple sclerosis. Congress of Neurological Surgeons Meeting, San Francisco, CA., October 1995.
10. **Resnick DK**, Marion DW, Carlier P: Outcome of patients with severe head injuries and prolonged intracranial hypertension. American College of Surgeons Pennsylvania Committee on Trauma Resident's Paper Competition, Hershey, PA. November, 1995.
11. **Resnick DK**, Resnick NM, Welch WC, Cooper DL: CD44 splice variants in tumors metastatic to the spine. AANS/CNS Joint Section on Spine and Peripheral Nerves Meeting, Orlando, FL. February, 1996.
12. Resnick NM, **Resnick DK**, Welch WC, Cooper DL: Regulation of CD44 gene expression in tumors of the central nervous system. American Association of Cancer Research Meeting, Washington, DC. April, 1996.
13. Welch WC, Beedle AB, Inman M, **Resnick DK**, Kornblith PL: Development and biological evaluation of an epidural spinal metastatic cell line, PW-14. Neurosurgical Society of America Meeting, Laguna Niguel, CA. May, 1996.
14. **Resnick DK**, Subach BR, Marion DW: Vascular complications associated with basilar skull fracture. Congress of Neurological Surgeons Meeting, Montreal, Quebec, Canada. September, 1996.
15. **Resnick DK**, Resnick NM, Bowser R, Welch WC, Cooper DL: Dysregulation of CD44 pre-mRNA in malignant and degenerative CNS tissue. Congress of Neurological Surgeons Meeting, Montreal, Quebec, Canada. September, 1996.
16. Witham TF, McLaughlin MR, **Resnick DK**, Marion DW: The use of air ventriculography in trauma patients requiring urgent laparotomy or thoracotomy prior to computed tomography. American Association of Neurological Surgeons Meeting, Denver, CO, April, 1997.
17. **Resnick DK**: Microvascular decompression: past, present, and future. Society of Neurological Surgeons Meeting, Pittsburgh PA, May, 1997.
18. **Resnick DK**, Graham SH, Dixon CE, Marion DW: The role of cyclooxygenase 2 in spinal cord injury. 4th International Neurotrauma Symposium, Seoul, Korea, August, 1997.
19. **Resnick DK**, Levy EI, Jannetta PJ, Bissonette DJ: Microvascular decompression for trigeminal neuralgia in children. AANS meeting, Philadelphia, April, 1998.
20. Levy EI, **Resnick DK**, Jannetta PJ, Bissonette DJ, Lovely TJ: Microvascular decompression for hemifacial spasm in children. AANS meeting, Philadelphia, April, 1998.
21. **Resnick DK**, Benzel EC: Complications associated with the lateral extracavitary approach to the thoracic and thoracolumbar spine. North American Spine Society meeting, San Francisco, October, 1998.
22. Thompson TP, **Resnick DK**, Marion DW, Darby J: Acid base physiology of therapeutic hypothermia in the treatment of severe head injury. CNS Meeting, Seattle, October 1998.
23. Scarrow AM, **Resnick DK**, Adelson PD, Sclabassi RJ: SSEP monitoring for clearance of the pediatric cervical spine in multiply injured patients. CNS Meeting, Seattle, October 1998.

24. **Resnick DK, Welch WC:** Anterior C1C2 transarticular screw fixation following odontoid resection. Technical Note. Spine/Science Symposium, New Orleans, November, 1998.
25. **Resnick DK:** The evolution of microvascular decompression. Wisconsin State Neurosurgical Society Meeting, Madison, June, 1999.
26. **Resnick DK:** Undergraduate neurosurgical education in 1999. Congress of Neurological Surgeons Meeting, Boston, MA., October, 1999.
27. **Resnick DK, Ramirez LF:** Outcome improvement in undergraduate neurosurgical education. Congress of Neurological Surgeons Meeting, Boston, MA., 1999.
28. Nguyen P, **Resnick DK:** Prolonged expression of PGE2 following acute spinal cord injury. Congress of Neurological Surgeons Meeting, Boston, MA., 1999. Winner of Synthes resident research award.
29. **Resnick DK:** Posterior Lumbar Interbody Fusion: Solo. AANS/CNS Joint Section on Spine Meeting, February, 2000
30. **Resnick DK:** Anatomy of the cervical spine: constraints regarding implant placement. AANS/CNS Joint Section on Spine Meeting, February, 2000
31. **Resnick DK:** Basic Spinal Biomechanics. AANS Meeting, April, 2000.
32. **Resnick DK:** Accuracy of frameless stereotactic system for placement of pedicle screws in the thoracic and cervical spine. Neurosurgical Society of America Meeting, June, 2000
33. **Resnick DK:** Biphasic elevation of prostaglandin E2 and thromboxane B2 concentrations following spinal cord injury. Congress of Neurological Surgeons Meeting, September, 2000.
34. **Resnick DK:** Selective inhibition of cyclooxygenase 2 results in decreased late phase prostaglandin E2 and thromboxane B2 concentrations. Congress of Neurological Surgeons Meeting, September, 2000.
35. **Resnick DK:** The effect of CDP-choline, a nonselective inhibitor of arachadonic acid metabolism, on prostaglandin E2 levels immediately following spinal cord injury. Congress of Neurological Surgeons Meeting, September, 2000.
36. **Resnick DK:** Pathophysiology of spinal cord injury. Invited speaker, luncheon seminar, Congress of Neurological Surgeons Meeting, September, 2000.
37. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, **Resnick DK, Ryken TC:** Evidence based guidelines for the management of spinal column trauma. Congress of Neurological Surgeons Meeting, September, 2000.
38. **Resnick DK:** Surgical management of low back pain and spinal cord stimulation. New Concepts in Spine Care, University of Wisconsin CME activity, September, 2000.
39. **Resnick DK:** Medical and surgical decision making in spinal cord injury. Spine Trauma: Current Trends in Care Seminar, American Association of Neuroscience Nursing, October, 2000.
40. **Resnick DK:** Effect of perfusion of levels of PGE2 and TxB2 following spinal cord injury. AANS/CNS Joint Section on Spine Meeting, February, 2001.
41. **Resnick DK:** Nuts and bolts of spine surgery: cervical disc disease. AANS/CNS Joint Section on Spine Meeting, February, 2001.
42. **Resnick DK:** Controversial case presentation. AANS/CNS Joint Section on Spine Meeting, February, 2001.
43. Haughton V, Rogers B, Meyerand E, **Resnick DK:** Measurement of rotation of lumbar vertebra, a possible method for detecting spinal instability. American Society of Neuroradiology Meeting, Spring, 2001.
44. **Resnick DK:** Basic Spinal Biomechanics. AANS Meeting, April, 2001.

45. **Resnick DK**, Alexander JT: Surgical indications, techniques, and pitfalls for thoracolumbar trauma. AANS Meeting, April, 2001.
46. **Resnick DK**: Occipito-cervical and upper cervical biomechanics, implant design, and clinical decision making. AANS Meeting, April, 2001.
47. Perez-Cruet M, **Resnick DK**, Ramirez LF, et al: Neurosurgical Undergraduate Medical Education. Congress of State Neurosurgical Societies Education and Communication meeting, Washington, DC, July, 2001.
48. **Resnick DK**: Spinal cord injury management: standards and new advances. Congress of Neurological Surgeons Meeting, October, 2001.
49. **Resnick DK**, Alexander JF: Diagnosis and management of lumbosacral pseudarthrosis. Congress of Neurological Surgeons Meeting, October, 2001
50. **Resnick DK**, Witwer BC, Cechvala CF, Zhang SC: Histological and functional analysis of three different human stem cell lineages following transplant into the injured adult rat spinal cord. Congress of Neurological Surgeons Meeting, October 2001.
51. Witwer BC, **Resnick DK**, Dempsey RJ: Neurological complications of lumbar drainage for aortic aneurysm repair. Congress of Neurological Surgeons Meeting, October, 2001.
52. Hadley MN, Walters BC, Grabb PA, Oyesiku NM, **Resnick DK**, Ryken TC: Guidelines for the management of acute traumatic cervical spine and cervical spinal cord injuries. Congress of Neurological Surgeons Meeting, October, 2001.
53. **Resnick DK**: Rigid fixation of the cervical spine using a constrained lateral mass screw/rod system. Advanced Techniques and Emerging Technology in Spinal Surgery, Kohler, WI. October, 2001.
54. **Resnick DK**, Witwer BC, Cechvala CF, Zhang SC: Differential success following transplantation of three different human neuronal stem cell preparation into the injured adult rat spinal cord. Society for Neuroscience Meeting, November, 2001
55. Song G, Cechvala C, **Resnick DK**, Dempsey RJ, Rao VLR: Gene expression analysis after acute spinal cord injury in rat. Society for Neuroscience Meeting, November, 2001
56. Iskandar BJ, **Resnick DK**, Harihan N, Nelson A, Gao P, Johnson S: Folic acid increases CNS regeneration in vivo and improves functional outcome after spinal cord injury. Society for Neuroscience Meeting, November, 2001
57. **Resnick DK**: Closed reduction of facet subluxation in the cervical spine. North American Spine Society Meeting, November, 2001.
58. Houghton VM, Rogers BP, **Resnick DK**, Meyerand ME: Axial rotations measured in vivo by MRI in patients with back pain and unstable motion segments. Presented at the Western Neuroradiological Society Meeting, Santa Barbara, October, 2001, and at the AANS/CNS Joint Section on Spine, February, 2002.
59. **Resnick DK**: Surgical Management of Low Back Pain. Beaver Dam Hospital Grand Rounds (UW CME function). December, 2001.
60. **Resnick DK**: Management of Closed Head Injury. University of Wisconsin Nursing School advanced course for nurse practitioners. February 21, 2002.
61. **Resnick DK**: Management of Spinal Cord Injury. University of Wisconsin Nursing School advanced course for nurse practitioners. February 21, 2002.
62. Lapsiwala S, **Resnick DK**: Anatomical suitability of the C1-2 complex for pedicle screw fixation. AANS/CNS Joint Section on Spine, February, 2002.
63. **Resnick DK**: Comparison between Flouro-Nav and plain radiographs for the placement of lumbar pedicle screws. AANS/CNS Joint Section on Spine, February, 2002.

64. **Resnick DK:** Non-resorbable polymers for spine surgery. AANS/CNS Joint Section on Spine, February, 2002.
65. Badie B, Schartner J, Peebles TR, Lapsiwala S, **Resnick DK:** Role of microglia in brain edema formation in gliomas. American Association of Neurological Surgeons Meeting, April 7, 2002.
66. **Resnick DK:** Occipital-Cervical Fixation Techniques. AANS Meeting, April 7, 2002.
67. **Resnick DK:** Anterior lumbar interbody fusion. AANS plenary session, April 10, 2002.
68. **Resnick DK:** Initial management of the spinal cord injured patient. AANS Meeting, April 11, 2002.
69. **Resnick DK,** Alexander JF: Management of Pseudarthrosis. AANS Meeting, April 7, 2002.
70. **Resnick DK,** Gallagher C, Ramirez LF, Bell C: A new approach to teaching clinical neuroscience. Central Group on Educational Affairs of the American Association of Medical Colleges Meeting, March 15-17, 2002.
71. **Resnick DK:** Ventral cervical fixation techniques. Spine Review- Hands On, Cleveland Clinic, May, 2002.
72. **Resnick DK:** Dorsal cervical fixation. Spine Review- Hands On, Cleveland Clinic, May, 2002.
73. **Resnick DK:** Dynamic spine stabilization. Spine Review- Hands On, Cleveland Clinic, May, 2002.
74. **Resnick DK:** Advice for young neurosurgeons regarding the board examination. Bulletin for the Young Neurosurgeons Committee, American Association of Neurological Surgeons, Park Ridge, IL, 2002.
75. **Resnick DK:** Posterior lumbar interbody fusion: Indications and Techniques.
76. Medtronic Sunriver Meeting, July, 2002.
77. **Resnick DK:** Dynamism and cervical fixation. Medtronic Sunriver Meeting, July, 2002.
78. **Resnick DK,** Cechvala CF, Yan Y, Witwer BC, Sun D, Zhang S: Adult and Embryonic Olfactory Cell Transplantation For Acute Spinal Cord Injury. Congress of Neurological Surgeons Meeting, October, 2002.
79. **Resnick DK,** Ramirez LF, Badie B, Garell PC, Iskandar BJ, Trost GR, Dempsey RJ
80. Inclusion of a compact neurosurgical curriculum improves third year medical student clinical performance in the diagnosis and management of lumbar radiculopathy. Congress of Neurological Surgeons Meeting, October, 2002.
81. **Resnick DK:** Ventral cervical-thoracic junction corpectomy and fusion with plate fixation without sternotomy. Congress of Neurological Surgeons Meeting, October, 2002.
82. **Resnick DK:** Spinal cord injury management: guidelines and new advances. CNS luncheon seminar, September 23, 2002.
83. Bradley KA, Hong TS, Tome W, Hayes L, **Resnick DK,** Mehta MP: LINAC based radiosurgery in the treatment of trigeminal neuralgia: a preliminary report. American Society of Therapeutic Radiology and Oncology Meeting, 2002.
84. **Resnick DK:** Indications for lumbar fusion. Global Spine, Laguna Niguel, CA, October, 2002.
85. **Resnick DK:** Novel strategies for the treatment of spinal cord injury. GAS club grand rounds, University of Wisconsin Veterinary School, October 25, 2002.
86. **Resnick DK:** Pre-surgical and post-surgical management of head trauma. University of Wisconsin School of Nursing, February 19, 2003
87. **Resnick DK:** Management of spine and spinal cord injury. University of Wisconsin School of Nursing, February 19, 2003.

88. **Resnick DK:** Spondylolysis and spondylolisthesis: definitions and natural history. AANS/CNS Joint Section on Spine Meeting, March, 2003.
89. **Resnick DK:** Anterior lumbar interbody fusion techniques. AANS/CNS Joint Section on Spine Meeting, March, 2003.
90. Woods MS, Swartz K, **Resnick DK**, Trost GR: Translational versus non-translational anterior cervical plates: Patient outcomes and fusion rates. AANS/CNS Joint Section on Spine, March 2003.
91. **Resnick DK**, Malone DA, Ryken TC: Guidelines for the use of discography for the diagnosis of painful degenerative disc disease. AANS/CNS Joint Section on Spine, March 2003.
92. **Resnick DK**, Pate Skene H, Harihan N, Iskandar BJ: Pretreatment with folic acid supplementation improves outcomes following spinal cord injury. AANS/CNS Joint Section on Spine, March 2003.
93. **Resnick DK:** The surgical management of low back pain. Grand Rounds, University of Wisconsin Department of Neurosurgery. March, 2003
94. **Resnick DK:** How does BMP change the indications for ALIF? AANS special course, April, 2003.
95. **Resnick DK:** Posterior approaches to thoracolumbar trauma. AANS Meeting, Plenary Session, April, 2003.
96. **Resnick DK:** Spinal cord stimulation. Comprehensive pain review symposium. UW CME Course, Middleton, WI, August, 2003
97. **Resnick DK:** Ventral Cervical Fixation Techniques. Spine-Review Hands On 2003. Cleveland, OH, August 2003.
98. **Resnick DK**, Eichler M: Ventral and Dorsal Thoracic and Lumbar Fixation Techniques. Spine-Review Hands On 2003. Cleveland, OH, August 2003.
99. **Resnick DK:** Low back pain and radiculopathy- indications for referral. UW Department of Family Medicine Roundtable Discussion on Low Back Pain. September, 2003.
100. **Resnick DK:** Anterior lumbar interbody fusion for low back pain. Indications and Techniques. CNS special course, October, 2003.
101. **Resnick DK:** Bone substitutes and BMPs in Spinal Surgery. CNS Special Course, October, 2003.
102. **Resnick DK:** Modern Management of Head and Spinal Cord Injured Patients. UW CME activity, Lacrosse, WI, October 2003
103. D.D. Fuller, F.J. Golder, **D.K. Resnick** and G.S. Mitchell: Respiratory insufficiency and recovery following cervical spinal contusion injury in rats. Society for Neuroscience Meeting, October, 2003
104. Türeyen K, **Resnick DK**, Dempsey RJ: A new surgical approach to the upper spinal cord in rats and description of a new anterior spinal artery occlusion model. Society for Neuroscience Meeting, October, 2003
105. **Resnick DK:** Management of severe head injury. Grand Rounds, St. Vincents Hospital, Green Bay, WI, November 13, 2003.
106. **Resnick DK:** Surgical decision making in spinal trauma. UW CEU course for neuroscience nurses. November, 2003.
107. Iskandar BJ, **Resnick DK**, Pate Skene H, Harihan N: Folic acid treatment and spinal cord regeneration and plasticity following spinal cord injury. Cervical Spine Research Society, December, 2003

108. **Resnick DK:** Management of spine and spinal cord injury. University of Wisconsin School of Nursing, February 18, 2004.
109. **Resnick DK:** Management of head injury. University of Wisconsin School of Nursing, February 18, 2004.
110. **Resnick DK:** Evidence based guidelines for lumbar fusion. University of Wisconsin Dept. of Neurosurgery Grand Rounds. February 18, 2004.
111. Ryken TC, Eichholz KM, Gerszten PC, Welch WC, Gokoslan ZL, **Resnick DK:** Evidence based review of the surgical management of vertebral column metastatic disease. AANS/CNS Section on Spine, 2004.
112. Dziurzynski K, **Resnick DK:** A prospective blinded comparison of radiographic methods for the diagnosis of atlantooccipital dislocation. AANS/CNS Section on Spine, 2004
113. **Resnick DK:** Lumbar degenerative disease: indications for fusion. AANS Practical course, April, 2004.
114. Medow JE, **Resnick DK,** Haughton V, Rowley H, Pulfer K, Lee F, Field A: CT measurement of spinal cord perfusion in human subjects. AANS meeting, April, 2004.
115. **Resnick DK:** Evidence based spine surgery. Cleveland hands on Spine Course, May, 2004.
116. **Resnick DK:** Dorsal and ventral fixation techniques for the thoracolumbar spine. Cleveland Hands on Spine Course, May, 2004.
117. **Resnick DK:** Posterior subaxial cervical fixation techniques. Cervical Spine Study Group, Chicago, May, 2004.
118. **Resnick DK:** Indications for spine surgery for degenerative disease, an evidence based approach. Bethesda Spine Course, USUHS, June, 2004.
119. **Resnick DK:** Evidence based techniques for spinal surgery. North American Spine Society Special Course, Chicago, August, 2004.
120. **Resnick DK,** Schmitt CE, Miranpuri GS, Dhodda VK, Isaacson J, Vemuganti RL: Molecular evidence of plasticity and repair in the chronically injured spinal cord. Congress of Neurological Surgeons Meeting, October, 2004
121. **Resnick DK,** Meletic G, Miranpuri GS, Vemuganti RL, Meletic V: Chronic spinal cord injury and neuropathic pain: mechanisms of plasticity. Congress of Neurological Surgeons Meeting, October, 2004
122. Schmitt CE, Miranpuri G, Dhodda VK, Isaacson J, Vemuganti RL, **Resnick DK:** DNA microarray analysis of the chronically injured spinal cord- a cross species comparison. Congress of Neurological Surgeons Meeting, October, 2004
123. **Resnick DK:** Reconstruction of Iliac Crest Decreases Graft Site Pain Following ACDF: Results of a Randomized Controlled Clinical Trial. Congress of Neurological Surgeons Meeting, October, 2004
124. **Resnick DK:** Salvage techniques for C1-2 fixation. Congress of Neurological Surgeons Meeting, October, 2004
125. **Resnick DK:** Posterolateral approaches to the thoracic and lumbar spine. Congress of Neurological Surgeons Meeting, October, 2004
126. **Resnick DK:** Timing of spinal cord decompression following spinal cord injury- does it matter? Congress of Neurological Surgeons Meeting, October, 2004
127. Cheng BC, Escarcega AJ, Oza A, Green S, **Resnick DK,** Vanderby RR: Biomechanical Performance of a Duo-Polymer Motion-Preservation Device. Cervical Spine Research Society Meeting, Boston, MA, December, 2004.

128. Lapsiwala S, **Resnick DK**, Escarcega AJ, Zdeblick TA, Anderson PC: Biomechanical study of C1-C2 fixation techniques. Cervical Spine Research Society Meeting, Boston, MA, December, 2004.
129. **Resnick DK**: Guidelines for the performance of lumbar fusion. Invited presentation, University of Utah Department of Neurosurgery Grand Rounds, December 2004
130. **Resnick DK**: From Bedside to Bench: Spinal Cord Injury Research. University of Wisconsin Neuroscience Training Program course "Molecular Mechanisms of Neuronal Death." February, 2005
131. **Resnick DK**: Genetic influences on the pathophysiology of spinal cord injury. AANS/CNS Joint Section on Spine, March, 2005.
132. **Resnick DK**: Evolution of Evidence Based Lumbar Fusion. Rachidian Society Meeting, Kona, HI, February, 2005
133. **Resnick DK**: Molecular Mechanisms of Pain Following Spinal Cord Injury. Rachidian Society Meeting, Kona, HI, February, 2005
134. **Resnick DK**: Guidelines for the performance of lumbar fusion. AANS/CNS Joint Section on Spine, Phoenix, AZ, March, 2005.
135. **Resnick DK**: Pre-reduction imaging of the patient with a cervical spinal cord injury. AANS/CNS Joint Section on Spine, Phoenix, AZ, March, 2005.
136. **Resnick DK**: Electrical stimulation for spinal fusion. AANS/CNS Joint Section on Spine, Phoenix, AZ, March, 2005
137. Golder FJ, Fuller DD, Barr MRL, **Resnick DK**, Mitchell GS: Breathing patterns after cervical spinal contusion in rats. Experimental Biology Meeting, 2005.
138. **Resnick DK**: Odontoid screw fixation for the management of dens fractures. AANS Practical Course on Cervical Spine Stabilization, April, 2005
139. **Resnick DK**: Anterior lumbar interbody fusion: Indications and Techniques. American Association of Neurological Surgeons Meeting, April, 2005.
140. **Resnick DK**: Medical Management of the Spinal Cord Injured Patient. American Association of Neurological Surgeons Meeting, April, 2005.
141. **Resnick DK**: Gene expression and neuropathic pain following spinal cord injury. University of Wisconsin, Dept. of Neurosurgery Grand Rounds, April, 2005.
142. **Resnick DK**: Lumbar fusion guidelines project. Midwest Neurosurgical Society meeting, Iowa City, IA, June, 2005 (invited speaker).
143. **Resnick DK**: Cervical disc arthroplasty. Uniformed Services University of Health Sciences Hands on Spine Course, Bethesda, June, 2005.
144. Miranpuri G, Vemuganti R, DomBourian M, Turner N, Gerovac T, Satriotomo I, Isaacson J, Miletic V, **Resnick DK**: Neuropathic Pain after Spinal Cord Injury Correlate with the Differential Expression of Bradykinin and Vanilloid Receptors. Society for Neuroscience Meeting, November, 2005.
145. Rajpal S, **Resnick DK**: Clearance of the cervical spine. UW Trauma Notes, June, 2005.
146. **Resnick DK**: Ventral thoracolumbar spine fixation. Cleveland Hands on Spine Course, July 2005
147. **Resnick DK**: Evidence based methodologies and spine surgery. Cleveland Hands on Spine Course, July, 2005.
148. **Resnick DK**: Evidence based methodologies and spine surgery. Grand Rounds, University of Southern California (visiting professor), August, 2005.

149. **Resnick DK:** Lumbar Disc Arthroplasty. Congress of Neurological Surgeons meeting, Special Course on Lumbar Fixation. Boston, MA, October, 2005.
150. **Resnick DK:** Cervical-Thoracic fixation techniques. Congress of Neurological Surgeons meeting, Special Course on Cervical Fixation. Boston, MA, October, 2005.
151. **Resnick DK:** Methodology for the lumbar fusion guidelines project. Congress of Neurological Surgeons meeting, luncheon seminar on evidence based techniques. Boston, MA, October, 2005.
152. **Resnick DK:** Guidelines for the performance of lumbar fusion. Congress of neurological Surgeons meeting, plenary session. Boston, MA, October, 2005.
153. DomBourian M, Miranpuri G, Vemuganti R, Turner N, Gerovac T, Satriotomo I, Isaacson J, Miletic V, **Resnick DK:** Differential expression of bradykinin and vanilloid receptors and the manifestation of neuropathic pain. Brainstem and Spinal Cord Plasticity Meeting, Madison, November, 2005
154. **Resnick DK:** Evidence based techniques for evaluating the spine literature. North American Spine Society Clinical Practice Guidelines Committee Workshop, Chicago, November, 2005.
155. **Resnick DK:** Management of severe head injury. Grand Rounds, Beaver Dam Hospital, Beaver Dam, WI, November, 2005
156. Park S, Sundaresan R, Bowen KK, Satriotomo I, Miranpuri G, **Resnick DK,** Vemuganti R: PPAR-gamma agonists prevent stroke and spinal cord injury induced neurological dysfunction. Society for Neuroscience, November, 2005
157. Tontz WA, Anderson PA, **Resnick DK:** Clearing the cervical spine in the asymptomatic patient- a meta-analysis. Cervical Spine Research Society Meeting, December, 2005.
158. Vemuganti R, Park S, Sundaresan R, Bowen K, Tureyen K, Satriotomo I, Miranpuri G, **Resnick DK.** Thiazolidinediones decrease neuronal damage following traumatic and ischemic insults to CNS by controlling inflammation. Paris Anti-inflammatory Drugs International Meeting, Oct 2005.
159. **Resnick DK,** DomBourian M, Miranpuri G, Vemuganti R, Turner N, Gerovac T, Satriotomo I, Isaacson J, Miletic V: TRPV-1 and BR1 receptor expression following spinal cord injury. Cervical Spine Research Society Meeting, December, 2005
160. Anderson PA, **Resnick DK,** Steinmetz MN, and Traynelis VC: Results of Disc Arthroplasty Compared to Arthrodesis in Workers Compensation Patients. Spine Arthroplasty Society Meeting, May, 2006
161. **Resnick DK:** Clinical management of head and spinal cord trauma. University of Wisconsin Nursing School advanced course for nurse practitioners. January, 2006
162. Steinmetz M, Patel R, **Resnick DK,** Anderson PA: Cervical arthroplasty vs. fusion in a workman's compensation population. North American Spine Society Meeting, October 2006
163. Tontz WA, Anderson PA, **Resnick DK:** Clearance of the Asymptomatic Cervical Spine:A Meta Analysis. North American Spine Society Meeting, October 2006.
164. **Resnick DK:** Evidence based analysis of treatment options for Trigeminal Neuralgia. North American Skull Base Society, Phoenix, February, 2006.
165. Steinmetz MP, Trost G, **Resnick DK:** Structural allograft and anterior plating for the management of thoracolumbar burst fractures: clinical and radiographic outcomes. AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2006
166. **Resnick DK:** Controversies in spinal surgery: adjacent segment disease- fact or fiction. AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2006

167. **Resnick DK:** Cases for board review. AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2006
168. Park SW, Miranpuri G, **Resnick DK**, Vemuganti R: PPAR γ induction with thiazolidinediones prevents spinal cord injury-induced neuronal damage and motor dysfunction in rats. American Society of Neurochemistry Meeting, March, 2006.
169. **Resnick DK:** Medical management of patients with spinal cord injury. American Association of Neurological Surgeons meeting, San Francisco, April, 2006.
170. **Resnick DK:** Evidence based review of lumbar fusion techniques. American Association of Neurological Surgeons meeting, San Francisco, April, 2006.
171. **Resnick DK:** Spine review for ABNS board examination. American Association of Neurological Surgeons boards review course, Houston, April, 2006.
172. **Resnick DK:** Atlantoaxial fixation techniques: flexibility and salvage. Aichi Spine Review, Aichi Japan, May, 2006
173. **Resnick DK:** Evidence based analysis of fusion for lumbar degenerative disease. Aichi Spine Review, Aichi, Japan, May, 2006.
174. **Resnick DK:** Atlantoaxial fixation techniques: flexibility and salvage. Kushiro Spine Meeting, Kushiro, Japan, May, 2006
175. **Resnick DK:** Atlantoaxial fixation techniques: flexibility and salvage. Japanese Spine Society Meeting Spine, Kanazawa, Japan, May, 2006
176. **Resnick DK:** Cervical Disc Arthroplasty: The Real Story. Bethesda International Hands on Spine Course, June, 2006
177. **Resnick DK:** Atlantoaxial fixation techniques: flexibility and salvage. Rocky Mountain Neurosurgical Society Meeting, Sedona, AZ, June, 2006
178. **Resnick DK:** Evidence based analysis of fusion for lumbar degenerative disease. Rocky Mountain Neurosurgical Society Meeting, Sedona, AZ, June, 2006
179. **Resnick DK:** Neuropathic pain following SCI- the role of TRPV-1 and B-1 receptors. Rocky Mountain Neurosurgical Society Meeting, Sedona, AZ, June, 2006
180. **Resnick DK:** The Congress of Neurological Surgeons. Rocky Mountain Neurosurgical Society Meeting, Sedona, AZ, June, 2006
181. **Resnick DK:** Evidence based medicine and spinal surgery. Cleveland Spine Review, July, 2006
182. **Resnick DK:** Ventral Cervical Fixation Techniques. Cleveland Spine Review, July, 2006
183. **Resnick DK:** Cervical Case Presentation and Discussion. Cleveland Spine Review, July, 2006
184. **Resnick DK:** Neuropathic pain following spinal cord injury: mechanisms and potential treatments. University of Wisconsin Neurosurgery Research Symposium, Madison, WI, September, 2006.
185. **Resnick DK:** Atlantoaxial fixation and fusion techniques. Congress of Neurological Surgeons Meeting, Chicago, October, 2006.
186. **Resnick DK:** The Strengths and Limitations of Evidence Based Medicine When Applied to Neurosurgery, Congress of Neurological Surgeons Meeting, Chicago, October, 2006.
187. **Resnick DK:** Disc arthroplasty for low back pain- how much better is good enough? Congress of Neurological Surgeons Meeting, Chicago, October, 2006.
188. **Resnick DK:** The AMA Physicians Consortium for Performance Improvement- Who, What, Why, and How this Effects Neurosurgeons. Congress of Neurological Surgeons Meeting, Chicago, October, 2006.

189. **Resnick DK:** The role of guidelines for lumbar fusion procedures. Congress of Neurological Surgeons Meeting, Chicago, October, 2006.
190. **Resnick DK:** Literature support for the performance of lumbar fusion. Medical Care Advisory Committee, Baltimore, MD, November, 2006.
191. **Resnick DK:** Management of vertebral artery injuries. Cervical Spine Research Society, Palm Beach, FL, December, 2006.
192. Miranjpur GS, **Resnick DK:** Neuropathic pain following spinal cord injury, a rat model. Indian Academy of Neurosciences, December, 2006.
193. **Resnick DK:** Literature support for the performance of lumbar fusion. Grand Rounds, Dept. of Neurosurgery, Louisiana State University, Shreveport, January, 2007
194. Tilghman J, **Resnick DK,** Miranjpur G: The effect of Rolipram and macrophage activated medium on functional recovery following spinal cord injury. 2006 IBS-SRP Research Bulletin, University of Wisconsin Press, 2007.
195. **Resnick DK:** Lumbar Disc Arthroplasty. Grand Rounds, Dept. of Neurosurgery, University of Wisconsin, Madison, WI, February, 2007
196. **Resnick DK:** Literature support for the performance of lumbar fusion. Mayfield Clinic Winter Clinics on Cranial and Spinal Surgery, Aspen, CO, March, 2007.
197. **Resnick DK:** Open fixation and fusion- the gold standard? Mayfield Clinic Winter Clinics on Cranial and Spinal Surgery, Aspen, CO, March, 2007.
198. **Resnick DK:** The SPORT study: results and significance for neurosurgeons. Inter-Urban Neurosurgical Society, March, 2007
199. Miranjpur GS, Rajpal S, Gerovac TA, Turner NA, Park SW, **Resnick DK:** Anti-hyperalgesic effects of vanilloid-1 and bradykinin-1 receptor antagonists following spinal cord injury in rats. AANS/CNS Joint Section on Spine Meeting, Phoenix, March, 2007
200. Rajpal S, Steinmetz MP, Cook, T, **Resnick DK:** Predictors of Failure in Single level ACDF. AANS/CNS Joint Section on Spine Meeting, Phoenix, March, 2007
201. Steinmetz MP, Rajpal S, Seebrock C, Cheema A, Miranjpur GS, **Resnick DK,:** Effect of Rolipram on spinal cord injury induced thermal hyperalgesia. AANS/CNS Joint Section on Spine Meeting, Phoenix, March, 2007
202. Cheema A, Seebrock C, Boisen M, Rajpal S, Gerovac TA, Tilghman JI, Miranjpur GS, **Resnick DK,** Steinmetz MP: Effect of Acute Rolipram Administration on Functional Recovery in Rats Following Spinal Cord Injury. AANS/CNS Joint Section on Spine Meeting, Phoenix, March, 2007
203. Boisen M, Rajpal S, Cheema A, Seebrock C, Gerovac TA, Tilghman JI, Miranjpur GS, **Resnick DK:** Celecoxib Inhibits the Development of Chronic Pain Following Spinal Cord Injury. AANS/CNS Joint Section on Spine Meeting, Phoenix, March, 2007
204. **Resnick DK:** The SPORT study: results and significance for neurosurgeons. AANS/CNS Joint Section on Spine, Phoenix, March, 2007
205. **Resnick DK:** Cases for board review. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2007
206. **Resnick DK:** The CNS University of Neurosurgery. CNS Membership Think Tank, Chicago, IL, March, 2007.
207. **Resnick DK:** Interbody fusion versus disc arthroplasty: why and for whom. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007.
208. **Resnick DK:** Interspinous process distraction. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007

209. **Resnick DK:** Nature and timing of surgical intervention for spinal cord injury. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007.
210. **Resnick DK:** Bone graft extenders for lumbar fusion. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007
211. **Resnick DK:** Role for ACDF for the treatment of cervical disc disease. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007
212. **Resnick DK:** Disorders of the Cervical Spine: Meet the experts. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007
213. **Resnick DK:** The Cervicothoracic Junction: Meet the experts. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007
214. **Resnick DK:** Thoracic Pedicle Screw Placement: Indications and Techniques. American Association of Neurological Surgeons Meeting, Washington, DC, April, 2007
215. **Resnick DK:** Conus medullaris and Cauda Equina Lesions, Neuroscience 731 course for M1 students, University of Wisconsin School of Medicine, April, 2007
216. **Resnick DK:** Cervical Disc Arthroplasty. Bethesda Hands on Spine, Bethesda, MD. May, 2007
217. **Resnick DK:** Basics of Spinal Stabilization and Fusion. South African Spine Society, Durban, South Africa, June, 2007
218. **Resnick DK:** Craniovertebral junction pathology. South African Spine Society, Durban, South Africa, June, 2007
219. **Resnick DK:** Cervical disc disease- current treatment options. South African Spine Society, Durban, South Africa, June, 2007
220. **Resnick DK:** Cervical instability- instrumentation and other methods of management. South African Spine Society, Durban, South Africa, June, 2007
221. **Resnick DK:** Spinal cord injury and pain- current concepts. South African Spine Society, Durban, South Africa, June, 2007
222. **Resnick DK:** Cervical Disc Arthroplasty, South African Spine Society, Durban, South Africa, June, 2007.
223. **Resnick DK, Rajpal S, Gerovac T, Miranpuri GW:** Neuropathic pain following spinal cord injury- molecular basis for intervention. Cellular and Network Functions in the Spinal Cord, Madison, WI, June, 2007.
224. **Resnick DK:** Cervico-thoracic junction exposure and fixation options. Cleveland Spine Review, July, 2007
225. **Resnick DK:** Evidence based spine surgery. Cleveland Spine Review, July, 2007
226. **Resnick DK:** Lumbar disc arthroplasty. Cleveland Spine Review, July, 2007
227. **Resnick DK:** Patient allocation and selection of controls. Congress of Neurological Surgeons Meeting, San Diego, CA, September, 2007.
228. **Resnick DK:** Analysis and interpretation of results in the spine literature. Congress of Neurological Surgeons Meeting, San Diego, CA, September, 2007.
229. **Resnick DK:** Cervical Disc Arthroplasty. Congress of Neurological Surgeons Meeting, San Diego, CA, September, 2007.
230. **Resnick DK:** Newest changes in ACCME approach and requirements for CME accreditation and their implications for organized neurosurgery. Congress of Neurological Surgeons Meeting, San Diego, CA, September, 2007.
231. **Resnick DK:** Spinal motion versus motion preservation. Congress of Neurological Surgeons Meeting, San Diego, CA, September, 2007.

232. **Resnick DK:** Spinal fusion and outcomes- what is the correlation? Congress of Neurological Surgeons Meeting, San Diego, CA, September, 2007.
233. **Resnick DK:** National guidelines efforts regarding the cervical spine. Cervical Spine Study Group Meeting, Chicago, IL, September, 2007.
234. **Resnick DK, Glassman SD:** The lumbar fusion task force. CMS Medical Care Advisory Committee meeting, Baltimore, MD, October 25, 2007
235. **Resnick DK:** Disc Arthroplasty- the answer or the question? Grand Rounds, Brigham and Women's Hospital Dept. of Neurosurgery, Boston, MA, November 2007
236. **Resnick DK:** North American trials and tribulations in the treatment of low back pain. McLean Conference on Surgical Ethics. University of Chicago Law School, Chicago, IL, November, 2007.
237. **Resnick DK:** Pay for Performance: What it means for neurosurgeons. Illinois State Neurosurgical Society Meeting, November, 2007.
238. **Resnick DK:** Surgery of the cervical spine. XII Congresso da Academia Brasileira de Neurocirurgia. Brasilia, Brazil, November, 2007
239. **Resnick DK:** The Sport studies and spinal surgery: What's the impact? XII Congresso da Academia Brasileira de Neurocirurgia. Brasilia, Brazil, November, 2007
240. **Resnick DK:** Cost effective spinal surgery. XII Congresso da Academia Brasileira de Neurocirurgia. Brasilia, Brazil, November, 2007
241. **Resnick DK:** Case presentations. XII Congresso da Academia Brasileira de Neurocirurgia. Brasilia, Brazil, November, 2007
242. **Resnick DK:** Neurosurgical education in North America. XII Congresso da Academia Brasileira de Neurocirurgia. Brasilia, Brazil, November, 2007
243. **Resnick DK:** Neuropathic pain following SCI. Grand Rounds, Dept. of Orthopedics and Rehabilitation Medicine, University of Wisconsin, Madison, November, 2007
244. Baggott C, Cain JH, Cramer S, Tilghman J, Allcock B, Rajpal S, Miranpuri GS, **Resnick DK** , Sun D: Cation-dependent chloride transporters in neuropathic pain following spinal cord injury. Shapiro Research Presentation, Madison, WI, 2007
245. Cain JH, Rajpal S, Allcock B, Tilghman J, Baggott C , Miranpuri GS, **Resnick DK:** Effect of intrathecal cyclooxygenase-2 inhibitor therapy on thermal hyperalgesia in a rat model of spinal cord injury. Shapiro Research Presentation, Madison, WI, 2007
246. Wohns R, Chapman J, McCormick P, **Resnick DK:** Lumbar fusion for the treatment of low back pain in the worker's compensation population. Washington State Worker's Compensation Review Panel, Seattle, WA, November, 2007
247. **Resnick DK:** Cost Effective Spinal Surgery: Oxymoron or Reality? Grand Rounds, Dept. of Neurosurgery, University of Wisconsin, December, 2007
248. Riew KD, Kuklo TR, **Resnick DK**, Anderson PA: Does Neck Pain Associated with Radiculopathy or Myelopathy Improve with Surgery? Cervical Spine Research Society Meeting, December, 2007
249. **Resnick DK:** Cost Effective Spinal Surgery: Oxymoron or Reality? Rachidian Society Meeting, Kona, HI, February, 2008.
250. **Resnick DK:** What is the worth of spinal surgery? Grand Rounds, Dept. of Neurological Surgery, Thomas Jefferson University School of Medicine, February, 2008.
251. **Resnick DK:** Lower back pain due to DDD- an entity worth treating. AANS/CNS Section on Disorders of the Spine, Orlando, FL, February, 2008

252. **Resnick DK:** Randomized controlled clinical trials and their impact on clinical practice. AANS/CNS Section on Disorders of the Spine, Orlando, FL, February, 2008
253. **Resnick DK:** Minimally invasive spinal surgery- is there proof it is better? AANS/CNS Section on Disorders of the Spine, Orlando, FL, February, 2008
254. Rajpal S, Baggott C, Cain J, Cramer S, Tilgham J, Allcock B, Miranpuri G, Sun D, **Resnick DK:** The effect of bumetanide administration on thermal hyperalgesia following contusive spinal cord injury in rats. AANS/CNS Section on Disorders of the Spine, Orlando, FL, February, 2008
255. Rajpal S, Gordon D, Pellino T, Strayer AL, Trost GR, Zdeblick TA, **Resnick DK:** Forget IV PCA: Perioperative multimodal oral analgesia for spine surgery. AANS/CNS Section on Disorders of the Spine, Orlando, FL, February, 2008. (Also presented at the American Pain Society Meeting, Tampa, FL, 2008)
256. **Resnick DK:** Cervical disc arthroplasty. Bethesda Hands on Spine Course, Bethesda, MD, April, 2008
257. **Resnick DK:** National Complication Rates and Disposition After Lumbar Fusion for Degenerative Spondylolisthesis. Discussant, American Association of Neurological Surgeons Meeting, April, 2008, Chicago, IL.
258. **Resnick DK:** Lumbar disc arthroplasty: Who? When? And Why? American Association of Neurological Surgeons Meeting, April, 2008, Chicago, IL.
259. **Resnick DK:** PCPI, NQF, NCQA: The Alphabet Soup of Medical Regulation. American Association of Neurological Surgeons Meeting, April, 2008, Chicago, IL.
260. **Resnick DK:** Post Traumatic Spinal Deformity Management. American Association of Neurological Surgeons Meeting, April, 2008, Chicago, IL.
261. **Resnick DK:** Clinical neuroscience education at the University of Wisconsin. Society of Neurological Surgeon's meeting, May, 2008
262. **Resnick DK:** The SPORT trials: A fair assessment of surgical management of low back disorders? Japanese Spine Society, Matsushiga, Japan, June, 2008
263. **Resnick DK:** Retrospective analysis of ACDF with or without translational plates: real life lessons learned. Society of University Neurosurgeons, San Francisco, June, 2008
264. **Resnick DK:** Cervical disc arthroplasty. Cleveland Spine Review. Cleveland, OH, July, 2008
265. **Resnick DK:** Atlantoaxial fixation techniques. Cleveland Spine Review. Cleveland, OH, July, 2008
266. **Resnick DK:** Retrospective analysis of ACDF with or without translational plates: real life lessons learned. Congress of the Croatian Neurosurgical Society, Dubrovnik, Croatia, September, 2008
267. **Resnick DK:** ACDF versus Arthroplasty. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008
268. **Resnick DK:** QIW Report. Council of State Neurosurgical Societies Meeting, Orlando, FL, September, 2008
269. **Resnick DK:** Common pitfalls and traps in interpreting the literature. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008
270. **Resnick DK:** Historical cohort comparison of ACDF. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008
271. **Resnick DK:** What every neurosurgeon needs to know: Spinal Surgery. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008

272. **Resnick DK:** Evidence to support lumbar fusion. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008
273. **Resnick DK:** Spinal cord stimulation versus surgery for failed back surgery syndrome. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008
274. **Resnick DK:** Enhancing spinal fusion. Congress of Neurological Surgeons Meeting, Orlando, FL, September, 2008
275. **Resnick DK:** Clinical Practice Guidelines: Rating the evidence. North American Spine Society Meeting, October, 2008
276. **Resnick DK:** Pitfalls in literature interpretation. Grand Rounds, Department of Neurosurgery, University of Wisconsin, Madison, October, 2008
277. **Resnick DK:** Pitfalls in literature interpretation. Grand Rounds, Department of Neurosurgery, University of Michigan, Ann Arbor, MI. October, 2008
278. **Resnick DK:** Craniocervical junction instability: management. Mexican Congress of Neurological Surgeons, Los Cabos, Mexico, November, 2008
279. **Resnick DK:** Laminoplasty for cervical spondylotic myelopathy. Mexican Congress of Neurological Surgeons, Los Cabos, Mexico, November, 2008
280. **Resnick DK:** Interspinous spacers. Mexican Congress of Neurological Surgeons, Los Cabos, Mexico, November, 2008
281. **Resnick DK:** Surgical treatment of intramedullary spinal cord tumors. Mexican Congress of Neurological Surgeons, Los Cabos, Mexico, November, 2008
282. **Resnick DK, Miranpuri GW:** Translational spinal cord injury research at the University of Wisconsin. Department of Neurological Surgery Research Day, Madison, WI, November, 2008.
283. Pearce S, Ramsey M, Patel A, Sweeney C, Lee C, Hafeez B, Mukhtar H, Miranpuri GS, **Resnick DK:** Role of matrix metalloproteinase 2 (MMP2) in the development of Neuropathic pain: A Preliminary study. Department of Neurological Surgery Research Day, Madison, WI, November, 2008.
284. Rajpal S, Sweeney C, Gerovac TA, Allcock B, McChesney S, Patel A, Tilghman J, Miranpuri GS, **Resnick DK:** The Role of Cannabinoids in Chronic Neuropathic Pain following Contusive Spinal Cord Injury. Department of Neurological Surgery Research Day, Madison, WI, November, 2008.
285. Sweeney C, Tilghman J, Patel A, Lee C, Pearce S, Ramsey M, Nasereldin M, Kumm S, Miranpuri GS, **Resnick DK:** The effect of Cyclooxygenase 2 inhibitors on Mortality in Neuropathic Pain following Spinal Cord Injury. Department of Neurological Surgery Research Day, Madison, WI, November, 2008.
286. **Resnick DK:** Evidence, Appraisal, and Advocacy: Chairman's Address to the AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2009
287. Rajpal S, Sweeney C, Gerovac TA, Allcock B, McChesney S, Patel A, Tilghman J, Miranpuri GS, **Resnick DK:** The role of cannabanoids in chronic neuropathic pain following contusive spinal cord injury. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2009
288. **Resnick DK:** Cervical Disc Arthroplasty, Bethesda Hands on Spine Course, Bethesda, MD, April, 2009
289. **Resnick DK, Groman R:** Quality improvement workgroup. Council of State Neurosurgical Societies Plenary Session, San Diego, May, 2009
290. **Resnick DK:** Quality improvement measures in neurological surgery. Breakfast Seminar, AANS Meeting, San Diego, May, 2009

291. **Resnick DK:** Disc arthroplasty. Practical course, AANS Meeting, San Diego, May, 2009
292. **Resnick DK:** Atlanto-axial fixation techniques: flexibility with rigidity. Practical course, AANS Meeting, San Diego, May, 2009
293. **Resnick DK:** Complications in 9,694 lumbar microdiscectomies. Discussant, plenary session, AANS Meeting, San Diego, May, 2009
294. **Resnick DK, Strayer AM:** Spine surgery in the morbidly obese. Plenary session, AANS Meeting, San Diego, May, 2009
295. **Resnick DK:** Resident education: challenges for today and tomorrow. III Jornada de Neurologia, Neurocirurgia e Coluna Vertebral II Encontro da Sociedade de Neurosirurgia de Mato Grosso. Cuiaba, Brazil, May, 2009.
296. **Resnick DK:** Guidelines for the management of cervical spine trauma. III Jornada de Neurologia, Neurocirurgia e Coluna Vertebral II Encontro da Sociedade de Neurosirurgia de Mato Grosso. Cuiaba, Brazil, May, 2009.
297. **Resnick DK:** Fusion for degenerative lumbar disease. III Jornada de Neurologia, Neurocirurgia e Coluna Vertebral II Encontro da Sociedade de Neurosirurgia de Mato Grosso. Cuiaba, Brazil, May, 2009.
298. **Resnick DK :** The use of clinical practice guidelines for the formation of national policy decisions. University of California San Francisco Spine Symposium, San Francisco, CA, June, 2009.
299. **Resnick DK :** Myths, Mistakes, and Misinterpretation of the Medical Literature. New England Neurosurgical Society Meeting, Wentworth, NH, June, 2009
300. **Resnick DK :** Evidence based spinal surgery. Neurology Teaching Rounds, University of Wisconsin Department of Neurology, August, 2009
301. **Resnick DK :** Infectious complications of spinal surgery. Spinal Complications Conference, Jackson Hole, WY, August, 2009
302. **Resnick DK :** Thoracolumbar and lumbar burst fractures with or without neurological injury : evidence for surgical and nonsurgical treatment. Spine Trauma Update Course (sponsored by NASS) Chicago, IL, October, 2009
303. **Resnick DK :** SCI update : Role of steroids in 2009 and emerging techniques. Spine Trauma Update Course (sponsored by NASS) Chicago, IL, October, 2009
304. **Resnick DK:** Update in spinal techniques- overview and introduction. Congress of Neurological Surgeons Meeting, Practical Course, New Orleans, LA, October, 2009
305. **Resnick DK:** Outcomes measures past, present, and future. Plenary Session, Congress of Neurological Surgeons Meeting, New Orleans, LA, October, 2009
306. **Resnick DK:** Management of Complex Spinal Deformities. Panel Discussion, North American Spine Society, San Francisco, November, 2009
307. **Resnick DK:** Who is out to get us? Guidelines and their use in advocacy. Plenary session, North American Spine Society, San Francisco, November, 2009
308. **Resnick DK:** Pedicle screw fixation techniques. American Association of Neurological Surgeons Resident Review Course, Chicago, November, 2009
309. **Resnick DK:** Biologics and Polymers in Spinal Surgery, American Association of Neurological Surgeons Resident Review Course, Chicago, November, 2009
310. King K, Hafeez B, Miranpuri G, **Resnick DK:** Matrix Metalloproteinase Expression in the Hypothalamus Following Spinal Cord Induced Neuropathic Pain. Neurosurgery Research Day, Madison, November, 2009

311. Ahmed MM, King K, Lee HK, Miranpuri G, Sun D, **Resnick DK**: Multiple Isoforms of WNK1 Expressed Following Spinal Cord Injury. Neurosurgery Research Day, Madison, November, 2009
312. **Resnick DK**: Update in spinal cord injury research. Neurosurgery Research Day, Madison, November, 2009
313. **Resnick DK**: C1-C2 Fixation techniques. Cervical Spine Research Society Hands on Practical Course, St. Louis, MO, January, 2010
314. **Resnick DK**: Spinal cord injury- update on clinical management. Grand Rounds, Department of Orthopedics and Rehabilitation, UW Madison, February, 2010
315. **Resnick DK**: Head and Spinal Cord Injury: Management and Outcomes. Grand Rounds, Mercy Hospital, Janesville, WI, February, 2010
316. Agrawal B, **Resnick DK**: To Fuse or Not to Fuse: Lumbar Synovial Cysts. AANS/CNS Joint Section on Disorders of the Spine, Platform Presentation, Orlando, March, 2010
317. **Resnick DK**: Comparative effectiveness research and the spine surgeon. AANS/CNS Joint Section on Disorders of the Spine, Platform Presentation, Orlando, March, 2010
318. **Resnick DK**: Comparative effectiveness of ventral versus dorsal surgery for cervical spondylotic myelopathy. Discussant, AANS/CNS Joint Section on Disorders of the Spine, Platform Presentation, Orlando, March, 2010
319. Knurr H, Miranpuri GS, **Resnick DK**: The role of MMP-2 in neuropathic pain. University of Wisconsin Undergraduate Research Symposium, Madison, April, 2010.
320. **Resnick DK**: Results of the AANS review of the treatment of cervical spondylosis. 46th Annual Orthopedic Symposium, St. Luke's Episcopal Hospital, Dallas, TX, April, 2010
321. **Resnick DK**: From the AANS: The results of the evidence base for the use of fusion in the treatment of lower back pain. 46th Annual Orthopedic Symposium, St. Luke's Episcopal Hospital, Dallas, TX, April, 2010
322. **Resnick DK**: Mistakes and Misinterpretation of the Medical Literature, 6th Annual Spine Summit, University of Rochester, NY, April, 2010
323. **Resnick DK**: Spinal Cord Injury- update on clinical management. Grand Rounds, Dept. of Orthopedic Surgery, University of Rochester School of Medicine, Rochester, NY, April, 2010
324. King KC, Hafeez B, Miranpuri GS, **Resnick DK**: Increased Expression of Matrix Metalloproteinase Transcription Factors in the Hypothalamus and Spinal Cord Following Spinal Cord. UW Multidisciplinary Pain Symposium, April, 2010.
325. **Resnick DK**: Evidence supporting the correction of degenerative spinal deformity. American Association of Neurological Surgeon's Meeting, Philadelphia, May, 2010
326. **Resnick DK**: Spondylolisthesis and associated stenosis: Evidence based treatment. American Association of Neurological Surgeon's Meeting, Philadelphia, May, 2010
327. **Resnick DK**: Does fusion for instability cure back pain? American Association of Neurological Surgeon's Meeting, Philadelphia, May, 2010
328. **Resnick DK**: The accuracy of intraoperative electromyographic monitoring to determine the presence of malpositioned pedicle screws in the lumbosacral spine. Discussant, American Association of Neurological Surgeon's Meeting, Philadelphia, May, 2010
329. **Resnick DK**: Kyphoplasty and Vertebroplasty: Recent clinical trials and their interpretation. SpineCare Conference, Mayo Clinic, Rochester, MN. July, 2010
330. **Resnick DK**: Residents as Teachers. Grand Rounds, University of Wisconsin Dept. of neurological Surgery, August, 2010.

331. **Resnick DK:** Comparative effectiveness research and data reporting for the neurosurgeon. Grand Rounds, Dept. of Neurosurgery, Loyola University Stritch School of Medicine, September, 2010
332. Ahmed M, Rajpal S, Sweeney C, Gerovac TA, Allcock B, McChesney S, Patel A, Tilghman J, Miranpuri GS, **Resnick DK:** Cannabinoid subtype 2 receptors modulate the antihyperalgesic effect of WIN 55,212-12 in rats with neuropathic SCI pain. Best Paper Award Recipient, North American Spine Society Meeting, Orlando, FL, October, 2010
333. **Resnick DK:** Evaluating the literature: Grading evidence quality. North American Spine Society Meeting, Orlando, FL, October, 2010
334. **Resnick DK:** Critical Evaluation of vertebroplasty and kyphoplasty. North American Spine Society Meeting, October, 2010
335. **Resnick DK:** Incorporating cervical spondylosis guidelines into clinical practice. North American Spine Society Meeting, Orlando, FL, October, 2010
336. **Resnick DK,** Glassman SD: Outcomes research and defining value in spine care. For presentation at the North American Spine Society Meeting, Orlando, FL, October, 2010
337. **Resnick DK:** Comparative Effectiveness Research in Neurosurgery. Grand Rounds, Dept. of Neurological Surgery, Cornell Weill School of Medicine, New York, October, 2010.
338. Rocque BG, Gowing G, Pulfer KA, McHugh J, Maurer K, Svendsen CN, **Resnick DK:** Real time radiographically-guided localization of the anterior horn of the spinal cord for therapeutic injection: a feasibility study with porcine model. Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2010
339. Ahmed MM, Lee HK, Manhas N, King KC, Miranpuri GS, Sun D, **Resnick DK:** NKCC1 and WNK1: Role in secondary spinal cord injury. Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2010
340. **Resnick DK:** Application of cervical myelopathy clinical practice guidelines in the real world. Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2010
341. **Resnick DK:** Practicing in an era of health care reform: Reporting burdens and comparative effectiveness research. Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2010.
342. **Resnick DK:** Interview of the presidential lecturer, Michael Lewis. Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2010
343. Bauer A, **Resnick DK:** Resection of cervical schwannoma and reconstruction of iatrogenic instability. Video presentation at the Congress of Neurological Surgeons Meeting, San Francisco, CA, October, 2010
344. **Resnick DK:** Comparative effectiveness research in neurosurgery. Academy of Neurological Surgeons Meeting, Monterey, CA, November, 2010
345. Miranpuri GW, **Resnick DK:** Molecular mechanisms of neuropathic pain following spinal cord injury. 5th Congress of Federation of Asian and Oceanic Neuroscience Societies. November, 2010.
346. **Resnick DK:** Cervical spine surgery: Case review. American Association of Neurological Surgeon's Hands on Cervical Spine Instrumentation. Burr Ridge, IL, November, 2010
347. **Resnick DK:** Cannabinoids, Neuropathic Pain, and Spinal Cord Injury. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, WI, December, 2010
348. **Resnick DK:** Occipitocervical fixation techniques. Fourth Annual American-Kuwaiti Neurosurgical Meeting, Kuwait City, December, 2010

349. **Resnick DK:** Defining value of spinal surgery. Fourth Annual American-Kuwaiti Neurosurgical Meeting, Kuwait City, December, 2010
350. **Resnick DK:** Spinal cord injury- evolving therapies and techniques. Fourth Annual American-Kuwaiti Neurosurgical Meeting, Kuwait City, December, 2010
351. **Resnick DK:** Multilevel lumbar degenerative disease: Is there a role for fusion? The Surgical Management of Spinal Disorders, Beaver Creek, CO, January, 2011
352. **Resnick DK:** Vertebroplasty and kyphoplasty. 6th Annual Evidence and Technology Summit, Park City, Utah, February, 2011
353. **Resnick DK:** Comparative Effectiveness Research in Spinal Surgery. 6th Annual Evidence and Technology Summit, Park City, Utah, February, 2011
354. **Resnick DK:** Evidence Based Management of Lumbar Spondylolisthesis. Texas Association of Neurological Surgeons, February, 2011
355. **Resnick DK:** Comparative Effectiveness Research in Spinal Disorders. Texas Association of Neurological Surgeons, February, 2011
356. **Resnick DK:** Evidenced Based Practice in Spinal Surgery. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2011
357. **Resnick DK:** Cost effectiveness of surgery for lumbar stenosis. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2011
358. **Resnick DK:** Management of incidental findings in the lumbar spine. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011
359. **Resnick DK:** Evidence based management of degenerative spondylolisthesis. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011
360. **Resnick DK:** Indications for fusion in spondylolisthesis. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011
361. **Resnick DK:** Development of Quality Measures in Spinal Surgery. American Association of Neurological Surgeon's Meeting, Denver, CO, April, 2011
362. **Resnick DK:** Evidence based spine surgery- evaluating the literature and formation of recommendations. North American Spine Society Practical Course, Chicago, IL, May, 2011
363. **Resnick DK:** Practical application of evidence based review. North American Spine Society Practical Course, Chicago, IL, May, 2011
364. Glassman SD, Carreon L, **Resnick DK**, Anderson, PA: A diagnostic classification for lumbar spine registry development. Lumbar Spine Research Society Meeting, Chicago, May, 2011
365. **Resnick DK:** Transoral resection of the odontoid. Diagnosis and Treatments in Cervical Spine Surgery. North American Spine Society, Burr Ridge, May, 2011
366. **Resnick DK:** Vertebral artery injury during cervical spine surgery. Diagnosis and Treatments in Cervical Spine Surgery. North American Spine Society, Burr Ridge, May, 2011
367. Glassman SD, Anderson PA, Carreon L, **Resnick DK:** A Diagnostic Matrix for use in prospective registries for patients with lumbar spinal disorders. Submitted to: AHRQ Comparative Effectiveness Research Methods for Developing and Analyzing Clinically Rich Data for PCOR. Bethesda, MD, June, 2011
368. **Resnick DK:** Cost Effectiveness Research in Spinal Surgery. Cleveland Spine Review, Cleveland, OH, July, 2011
369. **Resnick DK:** Sources of bias in the spine literature. Cleveland Spine Review, Cleveland, OH, July, 2011
370. **Resnick DK:** Comparative Effectiveness Research in Spinal Disorders. Minimally Invasive Neurosurgical Society, Mackinac, MI, July, 2011

371. **Resnick DK:** Spinal Surgery in the United States: Training, Practice, and Challenges for the Future. Asia Spine, Fukuoka, Japan, September, 2011
372. **Resnick DK:** Odontoid resection- techniques and evolving concepts. Asia Spine, Fukuoka, Japan, September, 2011
373. **Resnick DK:** Vertebroplasty and Kyphoplasty and Back pain. Temple Spine Symposium, Philadelphia, PA, September, 2011
374. **Resnick DK:** Comparative Effectiveness Research in Spinal Disorders. Mid Atlantic Neurosurgery Grand Rounds, Morristown, NJ, September, 2011
375. **Resnick DK:** Cervical myelopathy- expected outcomes from decompression versus Natural history. Congress of Neurological Surgeons Meeting, Washington, DC. October, 2011
376. **Resnick DK:** Guidelines in Spinal Neurosurgery. Congress of Neurological Surgeons Meeting, Washington, DC. October, 2011
377. **Resnick DK:** Introduction of Special Lecturer, Dr. Gerald Imber “Genious on the Edge: The Bizarre Double Life of Dr. William Stewart Halstead.” Congress of Neurological Surgeons Meeting, Washington, DC. October, 2011
378. **Resnick DK:** Evidence based spine surgery- evaluating the literature and formation of recommendations. North American Spine Society Practical Course, Chicago, IL, October, 2011
379. **Resnick DK:** Practical application of evidence based review. North American Spine Society Practical Course, Chicago, IL, October, 2011
380. **Resnick DK:** Training concepts and trends in spinal surgery. Ho Chi Min Spine Society, Ho Chi Min City, Vietnam, December, 2011
381. **Resnick DK:** Craniocervical junction- anterior approaches: Indications and Limitations. Ho Chi Min Spine Society, Ho Chi Min City, Vietnam, December, 2011
382. King KC, Hafeez B, Miranpuri G, **Resnick DK:** Increased expression of Matrix Metalloproteinase transcription factors in the hypothalamus and spinal cord following spinal cord injury. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, December, 2011
383. Ahmed M, Lee HK, Clark Z, Manhas N, Miranpuri G, Sun DD, **Resnick DK:** Pathogenesis of spinal cord swelling and neuropathic pain: rooted in similar injury induced changes. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, December, 2011
384. Ahmed M, Manhas N, Lee HK, King K, Miranpuri G, Sun DD, **Resnick DK:** Multiple isoforms of WNK1 expressed following spinal cord injury. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, December, 2011
385. Schomberg D, Kim T, Ugalde J, Lehman E, Kim H, Miranpuri G, Olson J, **Resnick DK:** Effects of Inhibiting Microglia Activation During Spinal Cord Injury-Induced Neuropathic Pain. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, December, 2011
386. Miranpuri GS, Fields D, Ugalde J, Valdez R, Khan N, Ghouse Y, Gill N, **Resnick DK:** Astrocyte regulation of neural hypersensitivity following spinal cord injury. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, December, 2011
387. Fields D, White JJ, **Resnick DK,** Olson J: Ghrelin alters effector functions of activated microglia. Research Day, University of Wisconsin Dept. of Neurosurgery, Madison, December, 2011

388. **Resnick DK:** Comparative Effectiveness Research- Now is the Time, This is the Way. Council of State Neurosurgical Societies Northeast Quadrant Meeting, Burlington, VT, January, 2012
389. **Resnick DK:** Comparative effectiveness research in spinal surgery- how, when, and why. Albany Medical College Department of Surgery Grand Rounds, Albany, NY, February, 2012
390. **Resnick DK:** Cost effective spinal surgery- fact or fantasy? Albany Medical College Department of Surgery Grand Rounds, Albany, NY, February, 2012
391. Glassman SD, Anderson PA, Carreon L, **Resnick DK:** A Diagnostic Matrix for use in prospective registries for patients with lumbar spinal disorders. American Association of Orthopedic Surgeons Meeting, February, 2012, San Francisco
392. **Resnick DK:** “Soft” Stabilization- counterpoint. North American Spine Society Evidence and Technology Course, Park City, UT, February, 2012
393. **Resnick DK:** Evidence based review of dynamic stabilization systems. North American Spine Society Evidence and Technology Course, Park City, UT, February, 2012
394. **Resnick DK:** Posterior approach for facet dislocation injuries. North American Spine Society Evidence and Technology Course, Park City, UT, February, 2012
395. **Resnick DK:** Training, practice, and life as a spine surgeon. University of Wisconsin Chapter, Alpha Epsilon Delta, February, 2012
396. Ghogawala Z, Shaffrey CI, Asher AL, Malhotra N, Dante SJ, R. Hurlbert RJ, Douglas AF, Magge SN, Mummaneni PV, Cheng JS, Smith JS, Kaiser MG, Heary R, Abbed KM, Sciubba DM, **Resnick DK:** The Design and Development of the Neuropoint SD Spine Registry for Lumbar Discectomy and Single Level Fusion for Spondylolisthesis. AANS/CNS Joint Section on Disorders of the Spine, Orlando, FL, March, 2012
397. **Resnick DK:** Introduction of the Section President. AANS/CNS Joint Section on Disorders of the Spine, Orlando, FL, March, 2012
398. **Resnick DK:** Indications and guidelines for the performance of lumbar fusion. AANS/CNS Joint Section on Disorders of the Spine, Orlando, FL, March, 2012
399. **Resnick DK;** Ryken TC: Methodology of guidelines development. AANS/CNS Joint Section on Disorders of the Spine, Orlando, FL, March, 2012
400. **Resnick DK:** Cost effectiveness and comparative effectiveness in spinal surgery. Grand Rounds, Dept, of Neurological Surgery, University of Alberta, Calgary, CA. March, 2012
401. **Resnick DK:** Neuroprotection following spinal cord injury. University of Wisconsin Dept. of Orthopedics Visiting Professor Program, Madison, WI, March, 2012
402. **Resnick DK,** Ghogawala Z, Shaffrey CI, Asher AL, Malhotra N, Dante SJ, R. Hurlbert RJ, Douglas AF, Magge SN, Mummaneni PV, Cheng JS, Smith JS, Kaiser MG, Heary R, Abbed KM, Sciubba DM: The Efficacy of Lumbar Discectomy and Single Level Fusion for Spondylolisthesis: Initial Results from the Neuropoint SD Registry. American Association of Neurological Surgeons Meeting, Miami, April, 2012
403. **Resnick DK:** Spondylolisthesis- incidental finding or important source of back pain? American Association of Neurological Surgeons Meeting, Miami, April, 2012
404. **Resnick DK:** Guidelines for the performance of lumbar fusion for axial back pain. American Association of Neurological Surgeons Meeting, Miami, April, 2012
405. **Resnick DK:** Cost effectiveness of re-operation on the lumbar spine. Commentary. American Association of Neurological Surgeons Meeting, Miami, April, 2012
406. **Resnick DK:** Basic science and background behind bone graft substitutes. American Association of Neurological Surgeons Meeting, Miami, April 2012

407. **Resnick DK:** Comparative effectiveness research- why you should care. American Association of Neurological Surgeons Meeting, Miami, April 2012
408. **Resnick DK:** Management of low back pain. Neuroscience Nursing Education Series, Madison, April, 2012
409. Savage JM, **Resnick DK:** The incidence of retrograde ejaculation after anterior lumbar interbody fusion (ALIF): A single surgeon's experience over 10 years. Lumbar Spine Research Society Meeting, Chicago, April, 2012
410. **Resnick DK:** Comparative Effectiveness Research: How? Why? And Why Now? Jahrestagung der DGNC Sektion Wirbersaule, Cologne, Germany, September, 2012
411. **Resnick DK:** Odontoid resection techniques: Case Western Spine Course, Cleveland, September, 2012
412. **Resnick DK:** C1-C2 fixation techniques: Case Western Spine Course, Cleveland, September, 2012
413. **Resnick DK:** Outcome measurement in Cervical Myelopathy. Congress of Neurological Surgeons, Chicago, October, 2012
414. **Resnick DK:** Desperate Intraoperative Moments. Congress of Neurological Surgeons, Chicago, October, 2012
415. **Resnick DK:** Comparative Effectiveness Research in Spine Surgery. UW Madison Public health Seminar (PHS 781), Madison, WI, October, 2012
416. **Resnick DK:** Evidence based spine surgery- evaluating the literature and formation of recommendations. North American Spine Society Practical Course, Dallas, TX, October, 2012
417. **Resnick DK:** Practical application of evidence based review. North American Spine Society Practical Course, Dallas TX, October, 2012
418. **Resnick DK:** Registry reporting and the NASS Registry. North American Spine Society, Dallas, TX, October, 2012
419. **Resnick DK:** Comparative Effectiveness Research- how and why now? Neurosurgery Research Day, University of Wisconsin School of Medicine, Madison, November, 2012
420. **Resnick DK:** Comparative Effectiveness Research- how and why now? University of Florida Gainesville, Grand Rounds. November, 2012
421. **Resnick DK:** Spinal cord tumors- resection and results. University of Florida Gainesville, Neurosurgical Conference, November, 2012
422. **Resnick DK:** Principles of craniocervical junction stabilization. Thirteenth Annual Spine Surgery Congress, Sao Paolo, Brazil, February, 2013
423. **Resnick DK:** Intraoperative monitoring in cervical spine surgery- is it worth it? Thirteenth Annual Spine Surgery Congress, Sao Paolo, Brazil, February, 2013
424. **Resnick DK:** Interspinous spacers- are they worthwhile? Thirteenth Annual Spine Surgery Congress, Sao Paolo, Brazil, February, 2013
425. **Resnick DK:** Surgery for lumbar degenerative disease- efficacy and cost effectiveness. Thirteenth Annual Spine Surgery Congress, Sao Paolo, Brazil, February, 2013
426. **Resnick DK:** Spine Surgeons as Advocates for Spine Surgery. Plenary presentation, AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2013
427. **Resnick DK:** Guidelines for the management of spondylolisthesis. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2013
428. **Resnick DK:** Cervical Spine Trauma. Self Assessment in Neurological Surgery Maintenance of Certification Review, Phoenix, March, 2013

429. **Resnick DK:** Management of Disc Herniations, Self Assessment in Neurological Surgery Maintenance of Certification Review, Phoenix, March, 2013
430. Polster S, Rocque B, **Resnick DK:** Intraoperative radiographic localization. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2013
431. Figuerido N, Brooks N, **Resnick DK:** Evidence-based Review and Guidelines for the Management of Myxopapillary and Intramedullary Ependymoma. AANS/CNS Joint Section on Disorders of the Spine, Phoenix, March, 2013.
432. **Resnick DK:** Low Back Pain, What Works, What Does Not. Lahey Patient-Centered Outcome Assessment Symposium. Boston, MA, March, 2013
433. Nickele C, **Resnick DK:** Awake versus asleep microdiscectomy: benefits and risks. American Association of Neurological Surgeons Meeting, New Orleans, May, 2013
434. **Resnick DK:** Comparative Effectiveness Research in Spinal Surgery. American Association of Neurological Surgeons Meeting, New Orleans, May, 2013
435. **Resnick DK:** Evidence Analysis and Guidelines Formation. North American Spine Society EBM Course, Bur Ridge, IL, May, 2013
436. **Resnick DK:** Statistics for Evidence Based Review. North American Spine Society EBM Course, Bur Ridge, IL, May, 2013
437. **Resnick DK:** Evidence and advocacy in spine care. North American Spine Society EBM Course, Bur Ridge, IL, May, 2013
438. **Resnick DK:** Barriers to spine practice. Johns Hopkins Spine Symposium, Baltimore, May, 2013
439. **Resnick DK:** Evidence, Advocacy, and Research in Spinal Surgery. Mount Sinai School of Medicine, Dept. of Neurological Surgery, May, 2013
440. **Resnick DK:** Herding Cats- the history of organized neurosurgery. Michigan Neurosurgical Society Meeting, Crystal Mountain, MI, May, 2013
441. **Resnick DK:** Challenges for the future of Spine Surgery. Michigan Neurosurgical Society Meeting, Crystal Mountain, MI, May, 2013
442. Mummaneni P, Ghogawala Z, Shaffrey CZ, Heary RF, **Resnick DK:** Establishing the Efficacy of Lumbar Discectomy and Single Level Fusion for Spondylolisthesis -Experience with the AANS' NeuroPoint SD Registry. Scoliosis Research Society International Meeting on Advanced Spine Techniques, Vancouver, July, 2013
443. **Resnick DK:** State of the Registry. Combined Societies Spine Summit, Bur Ridge, IL, August, 2013
444. **Resnick DK:** Herding cats- the history of organized neurosurgery. Grand Rounds, Department of Neurosurgery, University of Wisconsin School of Medicine, September, 2013
445. **Resnick DK:** Fusion as an adjunct to decompression in spondylolisthesis. Congress of Neurological Surgeons Webinar, September, 2013.
446. Mummaneni P, Ghogawala Z, Shaffrey CZ, Heary RF, **Resnick DK:** Cost Effectiveness of Spinal Surgery: Neuropoint SD Results. IMAST, September, 2013
447. Nickele C, **Resnick DK:** Recurrent herniation rates and regional anesthesia. University of Wisconsin Hospital Quality Forum, September 2013
448. **Resnick DK:** Advocacy in spine care. North American Spine Society, Evidence Based Medicine Course, New Orleans, October, 2013
449. **Resnick DK:** Cost Effectiveness of minimally incisional versus open transforaminal interbody fusion. North American Spine Society, New Orleans, October, 2013

450. **Resnick DK:** BMP after YODA- what now? North American Spine Society, New Orleans, October, 2013
451. **Resnick DK:** The use of prospective registries to measure value in spine care. North American Spine Society, New Orleans, October, 2013
452. Miranpuri G, **Resnick DK:** MMP2 Signaling in spinal cord injury induced pain. University of Wisconsin Department of Neurosurgery Research Day, October, 2013
453. Askamit J, Miranpuri G, **Resnick DK:** Pathogenesis of spinal cord injury induced neuropathic pain: role of co-transporters. University of Wisconsin Department of Neurosurgery Research Day, October, 2013
454. Crowell A, King K, Miranpuri G, **Resnick DK:** B-Catenin, HSP90B, and MMP expression in the hypothalamus is increased in a spinal cord injury neuropathic pain model. University of Wisconsin Department of Neurosurgery Research Day, October, 2013
455. Schomberg D, Miranpuri G, **Resnick DK:** Beyond intrathecal pain management; targeted delivery of biologics within the spinal cord. University of Wisconsin Department of Neurosurgery Research Day, October, 2013
456. Patel J, Miranpuri G, **Resnick DK:** Reducing spinal cord mediated pain without pain killers. University of Wisconsin Department of Neurosurgery Research Day, October, 2013
457. **Resnick DK:** BMP 2 and Cancer: Truth, Lies, and In-Between. Congress of Neurological Surgeons Meeting, San Francisco, October, 2103
458. **Resnick DK:** Guidelines for fusion in spondylolisthesis. Congress of Neurological Surgeons Meeting, San Francisco, October, 2103
459. **Resnick DK:** Registries in spine surgery- influence of design and population. Congress of Neurological Surgeons Meeting, San Francisco, October, 2103
460. **Resnick DK:** Introduction of distinguished service award winner, Dr. Arthur Day. Congress of Neurological Surgeons Meeting, San Francisco, October, 2103
461. **Resnick DK:** Clinical practice guidelines: Why, How, and When. Neurological Society of India, Mumbai, December, 2013
462. **Resnick DK:** Minimally invasive is not cost effective in the lumbar spine. Congress of Neurological Surgeons Spine Complications Course, Jackson Hole, WY, January, 2014
463. **Resnick DK:** Barriers to innovation in spinal surgery. Congress of Neurological Surgeons Spine Complications Course, Jackson Hole, WY, January, 2014
464. **Resnick DK:** Spine complications and complication avoidance. Congress of Neurological Surgeons Spine Complications Course, Jackson Hole, WY, January, 2014
465. **Resnick DK:** Guidelines and cervical myelopathy. Cervical Spondylotic Myelopathy Surgical Trial Scientific Advisory Panel Meeting. Washington DC, January, 2014
466. **Resnick DK:** The Congress of Neurological Surgeons, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March, 2014
467. **Resnick DK:** Spine Surgeon and Industry: Advocate, Advisor, or Accessory? AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March, 2014
468. **Resnick DK:** Dosing of Bone Morphogenetic Protein- more is not better. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March, 2014
469. **Resnick DK:** BMP Post YODA- what's the current status? AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March, 2014
470. **Resnick DK:** Guidelines for the performance of lumbar fusion- methods and uses. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March, 2014

471. **Resnick DK:** A history of American neurosurgery. Israeli Neurosurgical Society Meeting, Jerusalem, March, 2014
472. **Resnick DK:** Comparative effectiveness research in spine surgery. Israeli Neurosurgical Society Meeting, Jerusalem, March, 2014
473. **Resnick DK:** The role of BMP in lumbar fusion. Israeli Neurosurgical Society Meeting, Jerusalem, March, 2014
474. **Resnick DK:** State of the Congress of Neurological Surgeons. American Association of Neurological Surgeons Meeting, San Francisco, April, 2014
475. **Resnick DK:** State of the Congress of Neurological Surgeons. Council of State Neurosurgical Societies Meeting, San Francisco, April, 2014
476. **Resnick DK:** N2QOD- interim results – a critique. American Association of Neurological Surgeons Meeting, San Francisco, April, 2014
477. **Resnick DK:** Comparative effectiveness research: What is it and why should you care? American Association of Neurological Surgeons Meeting, San Francisco, April, 2014
478. **Resnick DK:** Herding Cats- the unofficial history of organized neurosurgery in the United States. Young Neurosurgeon’s Luncheon, American Association of Neurological Surgeons Meeting, San Francisco, April, 2014
479. **Resnick DK:** Advocacy efforts in spine care. NASS Spine Summit, Chicago, IL, August, 2014
480. **Resnick DK:** Registry updates- N2QOD, NASS, and Others. NASS Spine Summit, Chicago, IL, August, 2014
481. **Resnick DK:** Outcome measurement in spine surgery. University of Wisconsin Research Forum, Madison, WI, September, 2014
482. **Resnick DK:** Organized Neurosurgery: Divide and Conquer, a blueprint for now and the future. American Academy of Neurological Surgeons, Santa Rosa Beach, FL, September, 2014
483. Avey GD, Ng J, Pun CD, **Resnick DK:** CT Guided Trigeminal glycerol rhizolysis. American Society of Head and Neck Radiologists Meeting, September, 2014
484. **Resnick DK:** State of the CNS. CSNS Annual Meeting, Boston, MA, October, 2014.
485. **Resnick DK:** Neurosurgery- a specialty in the balance. Congress of Neurological Surgeons Presidential Address. Boston, MA, October, 2014
486. **Resnick DK:** Fusion for Spondylolisthesis. Congress of Neurological Surgeon’s Meeting, Boston, MA, October, 2014
487. **Resnick DK:** An interview with Philip Glass. Congress of Neurological Surgeon’s Meeting, Boston, MA, October, 2014
488. **Resnick DK:** Evidence, Advocacy and Guidelines. North American Spine Society, San Francisco, CA, November, 2014.
489. **Resnick DK:** Epidemiology of post operative pain and ERAS protocol for spine. North American Spine Society, San Francisco, CA, November, 2014.
490. **Resnick DK:** Guidelines and Registries- like hand and glove. NYU- Lennox Hill Department of Neurosurgery Grand Rounds, NY, December, 2014
491. **Resnick DK:** Evidence for Advocacy- put up or shut up. Georgia Neurosurgical Society, December, 2014
492. **Resnick DK:** Herding Cats, a history of organized neurosurgery. Georgia Neurosurgical Society, December, 2014

493. **Resnick DK:** Complications- definitions, disclosures, and process. CNS Complications Course, Lake Tahoe, CA, January, 2015
494. **Resnick DK:** My worst complications. CNS Complications Course, Lake Tahoe, CA, January, 2015
495. **Resnick DK:** Mission versus Margin: Achieving a Balance in 2015. Souixland Health Systems Strategic Retreat. February, 2015
496. Than DD, Curran JN, **Resnick DK**, Shaffrey CI, Ghogawala Z, Mummaneni PV: Will you return to work after lumbar fusion? Predictions of the Neuropoint SD registry. AANS/CNS JSDSPN Meeting, Phoenix, AZ, March, 2015, AANS Annual Meeting, Washington DC, May, 2015
497. **Resnick DK:** Introduction of honored guest Steve Glassman. AANS/CNS JSDSPN Meeting, Phoenix, AZ, March, 2015
498. **Resnick DK:** NASS Registry Update. AANS/CNS JSDSPN Meeting, Phoenix, AZ, March, 2015
499. **Resnick DK:** Cervical trauma. CNS Maintenance of Certification Review Course, Phoenix, March, 2015
500. **Resnick DK**, Mumanenni PK: Thoracolumbar Trauma. CNS Maintenance of Certification Review Course, Phoenix, March, 2015
501. **Resnick DK**, Mumanenni PK: Lumbar Degenerative Disease. CNS Maintenance of Certification Review Course, Phoenix, March, 2015
502. Than DD, Curran JN, **Resnick DK**, Shaffrey CI, Ghogawala Z, Mummaneni PV: How to predict return to work after lumbar discectomy: Answers from the Neuropoint SD registry. AANS Meeting, Dunsker Award Winner, Washington, DC, May, 2015
503. **Resnick DK:** Clinical Guidelines and CERi- how do they mesh? Comparative Effectiveness Research in Spine Surgery, Harvard, Boston, MA, June, 2015
504. **Resnick DK:** When do we operate on cervical spondylosis? NASS Webinar, June, 2015
505. **Resnick DK:** Evaluating the evidence in spine surgery. Cleveland Hands On Spine Course, July, 2015
506. **Resnick DK:** Intraoperative monitoring- required, recommended, or superfluous? Cleveland Hands on Spine Course, July, 2015
507. **Resnick DK:** Intraoperative monitoring- required, recommended, or superfluous? North Shore Hospital Systems Webinar, July, 2015
508. **Resnick DK:** Complications in Spine Surgery. Pittsburgh Spine Summit, Nemaquin Woodlands, September 2015
509. **Resnick DK:** Reconciling recommendations with evidence. Congress of Neurological Surgeons, New Orleans, September 2015
510. **Resnick DK:** Repeat spine surgery- is it worth it? Congress of Neurological Surgeons, New Orleans, September 2015
511. **Resnick DK:** Introduction of Founder's Laurel. Congress of Neurological Surgeons, New Orleans, September 2015
512. **Resnick DK:** Intraoperative Monitoring in Lumbar Spine Surgery. Congress of Neurological Surgeons, New Orleans, September 2015
513. **Resnick DK:** Evidence Rating Systems. North American Spine Society, Chicago, October, 2016
514. **Resnick DK:** Clinical Trial Design. North American Spine Society, Chicago, October, 2016
515. **Resnick DK:** Anterior cervical fusion. North American Spine Society, Chicago, October, 2016

516. **Resnick DK:** The NASS Spine Registry. North American Spine Society, Chicago, October, 2016
517. **Resnick DK:** Registries and Outcomes- strengths and weaknesses. North American Spine Society, Chicago, October, 2016
518. **Resnick DK:** Establishing the value of spine surgery. Grand Rounds, Brigham and Women's Hospital Harvard Medical School Dept. of Neurosurgery, October, 2016
519. **Resnick DK:** Quality, Outcomes, and Registries for Neurosurgeons. Kluver Lectureship, University of Chicago, January, 2016
520. **Resnick DK:** Vertebral Artery Injuries- mechanisms and management. Crossing the Quality Chasm- Peer Review for Neurosurgeons. Park City, February, 2016
521. **Resnick DK:** Complications. Crossing the Quality Chasm- Peer Review for Neurosurgeons. Park City, February, 2016
522. **Resnick DK:** MIS versus Open surgery for spondylolisthesis. NASS Evidence and Technology Course, Park City, February, 2016
523. **Resnick DK:** Asymptomatic cervical stenosis. NASS Evidence and Technology Course, Park City, February, 2016
524. **Resnick DK:** Relationship between patient satisfaction and the quality of spine care. AANS/CNS Joint Section on Disorders of the Spine, Plenary Session. Orlando, FL, March, 2016
525. **Resnick DK:** Effect of complications within 90-days on patient-reported outcomes 3-months and 12-months following elective surgery for degenerative lumbar pathology. Commentary. AANS/CNS Joint Section on Disorders of the Spine, Plenary Session. Orlando, FL, March, 2016
526. **Resnick DK:** Classification and management of spondylolisthesis. American Association of Neurological Surgeons, Chicago, IL, May, 2016
527. **Resnick DK:** Spine Fellowships. Society of Neurological Surgeons, Indianapolis, IN, June, 2016
528. **Resnick DK:** Outcomes measures and quality improvement. University of Wisconsin Dept. of Orthopedic Surgery, Grand Rounds, July, 2016
529. **Resnick DK:** Registries and Quality Reporting. North American Spine Society Spine Summit, Chicago, IL, August, 2016
530. **Resnick DK, Ghogawala Z, Glassman SJ:** Development of a classification system for degenerative spondylolisthesis. Academy of Academic Neurosurgeons, Jackson Hole, WY, September, 2016
531. **Ghogawala Z, Resnick DK, Glassman SJ, Mumanenni PM, Shaffrey C:** Randomized controlled trials of fusion for spondylolisthesis. Academy of Academic Neurosurgeons, Jackson Hole, WY, September, 2016
532. **Resnick DK:** Patient Outcomes and Quality Improvement in Spine Surgery. Korean Spine Society, Seoul Korea, September, 2016.
533. **Resnick DK:** Monitoring in Spinal Surgery. Congress of Neurological Surgeon's Meeting, San Diego, CA. September, 2016
534. **Resnick DK:** Improving the quality of Spine Surgery. Congress of Neurological Surgeon's Meeting, San Diego, CA. September, 2016
535. **Resnick DK:** Complex cervical spine procedures. Congress of Neurological Surgeon's Meeting, San Diego, CA. September, 2016

536. **Resnick DK:** The NASS Registry- Lessons Learned in the Pilot Phase. North American Spine Society, Boston, MA, October, 2016
537. **Resnick DK:** Quality Improvement in Neurosurgery. University of Wisconsin Dept. of Neurosurgery Research Day, November, 2016
538. **Resnick DK:** Patient Satisfaction and Quality in Spine Surgery. Wang Lectureship, University of Miami Dept. of Neurosurgery, Miami, FL, December, 2016
539. **Resnick DK:** The History of Organized Neurosurgery. Wang Lectureship, University of Miami Dept. of Neurosurgery, Miami, FL, December, 2016
540. **Resnick DK:** Balance Between Quality and Compassion. Fager Lectureship, Lahey Clinic, Boston, MA, January, 2017
541. **Resnick DK:** Complications of cervical surgery. Congress of Neurological Surgeons Complications Course, Park City, January, 2017
542. **Resnick DK:** Vertebral artery injuries. Congress of Neurological Surgeons Complications Course, Park City, January, 2017
543. **Resnick DK:** Complications of deformity surgery. Congress of Neurological Surgeons Complications Course, Park City, January, 2017
544. **Resnick DK:** Management of CSF Leaks. NASS Evidence and Technology Course, Park City, February, 2017
545. **Resnick DK:** Decompression versus decompression and fusion for spondylolisthesis. NASS Evidence and Technology Course, Park City, February, 2017
546. **Resnick DK:** Future of Spine Training: The Spine Residency. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, NV, March, 2017
547. **Resnick DK:** The NASS Registry. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, NV, March, 2017
548. **Resnick DK:** Patient Satisfaction Scores are meaningless. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, NV, March, 2017
549. **Resnick DK:** Spine fusion guidelines and the new spondylolisthesis trials- is it time for a rewrite? Congress of Neurological Surgeons Meeting, Boston, October, 2017
550. **Resnick DK:** Revision or stimulation for failed back surgery syndrome- an interpretation of the evidence. Congress of Neurological Surgeons Meeting, Boston, October, 2017
551. **Resnick DK:** Introduction of the NASS President. North American Spine Society, Orlando, October, 2017
552. **Resnick DK:** NASS Committee structure and leadership development. North American Spine Society, Orlando, October, 2017
553. **Resnick DK:** Strengths and weaknesses of commonly used patient reported outcomes measures in spine care. North American Spine Society, Orlando, October, 2017
554. **Resnick DK:** Heterogeneity and treatment effects of fusion in the spondylolisthesis patient population. Belgian Spine Symposium, Brussels, November, 2017
555. **Resnick DK:** Improving the quality of spine care in the United States. New York University, New York, December, 2017
556. **Resnick DK:** Heterogeneity and treatment effects of fusion in the spondylolisthesis patient population. Grand Rounds, Department of Neurosurgery, University of Wisconsin, Madison, WI, January, 2018
557. **Resnick DK:** Complications seen in surgery for degenerative lumbar disorders. Congress of Neurological Surgeons Crossing the Quality Chasm. Park City, UT, February, 2018

558. **Resnick DK:** Complications seen in surgery for degenerative cervical disorders. Congress of Neurological Surgeons Crossing the Quality Chasm. Park City, UT, February, 2018
559. **Resnick DK:** The new oral board examination. Congress of Neurological Surgeons Crossing the Quality Chasm. Park City, UT, February, 2018
560. **Resnick DK:** Heterogeneity and treatment effects of fusion in the spondylolisthesis patient population. Grand Rounds, Department of Neurosurgery, Ohio State University Department of Neurosurgery, February, 2018
561. **Resnick DK:** Industry Conflicts of Interest, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2018
562. **Resnick DK:** Electrophysiological Monitoring for Anterior Cervical Decompression, AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2018
563. **Resnick DK:** The importance of mentorship in early career. AANS/CNS Joint Section on Disorders of the Spine, Orlando, March, 2018
564. **Resnick DK, Wetzel FT:** Management of Thoracolumbar Burst Fractures. BritSpine, Leeds, March, 2018
565. **Resnick DK, Wetzel FT:** Lumbar Fusion for Low Back Pain. BritSpine, Leeds, March, 2018
566. **Resnick DK:** Defining quality in the management of degenerative spondylolisthesis. University of Pittsburgh, Pittsburgh, PA, April, 2018
567. **Resnick DK:** Training amongst the giants. University of Pittsburgh, Pittsburgh, PA, April, 2018
568. **Resnick DK:** Defining quality in the management of degenerative spondylolisthesis. Northwestern University Dept. of Neurosurgery, Chicago, April, 2018
569. **Resnick DK:** Strengths and weaknesses of currently used patient reported outcomes measures in spine care. Grand Rounds, Department of Orthopedic Surgery, University of Wisconsin, Madison, April, 2018
570. Haldeman C, **Resnick DK:** Value of spine care in the elderly. American Association of Neurological Surgeons, Practical Course, New Orleans, April, 2018
571. **Resnick DK:** MIS-adventures in spinal surgery. Perils and Pitfalls of Minimal Access Surgery. American Association of Neurological Surgeons, Practical Course, New Orleans, April, 2018
572. **Resnick DK:** Defining Quality in the management of spondylolisthesis- Sonntag Lectureship, Plenary Session, American Association of Neurological Surgeons, New Orleans, April, 2018
573. **Resnick DK:** Show me the evidence. Presidential Address. North American Spine Society, Los Angeles, September, 2018
574. **Resnick DK:** The NASS Registry, North American Spine Society, Los Angeles, September, 2018
575. **Resnick DK:** Complications in Spinal Surgery. Congress of Neurological Surgeons, Houston, October, 2018
576. **Resnick DK:** CNS Past Presidents address. Congress of Neurological Surgeons, Houston, October, 2018
577. **Resnick DK:** Patient selection in spine surgery. Congress of Neurological Surgeons, Houston, October, 2018
578. **Resnick DK:** Bias in Clinical Trials. Belgian Spine Society, Brussels, November, 2018
579. **Resnick DK:** The ABNS Written Examination. ABNS Fall Examination, November, 2018
580. **Resnick DK:** Identifying bias in clinical literature. University of Wisconsin Dept. of Neurosurgery Grand Rounds, Madison, WI, January, 2019

581. **Resnick DK:** Evolving the ABNS written examination from a summative evaluation to a formative learning experience. ABNS Strategic Retreat, Palm Beach, January, 2019
582. **Resnick DK:** Individual resident case volume assessment- challenges in spinal surgery. ABNS Strategic Retreat, Palm Beach, January, 2019
583. **Resnick DK:** Complications in Cervical Spine Surgery. Congress of Neurological Surgeons Complications Course, Park City, February, 2019
584. **Resnick DK:** Complications in Lumbar Spine Surgery. Congress of Neurological Surgeons Complications Course, Park City, February, 2019
585. **Resnick DK:** Complications in Geriatric Spine Surgery. Congress of Neurological Surgeons Complications Course, Park City, February, 2019
586. **Resnick DK:** Patient selection in spinal surgery. NASS Evidence and technology Summit, Park City, February, 2019
587. **Resnick DK:** Registry reporting in spine: Does the platform matter? AANS/CNS Joint Section on Disorders of the Spine, Miami, FL, March, 2019 (submitted).
588. **Resnick DK:** Deformity Surgery in the elderly is Unsustainable. AANS/CNS Joint Section on Disorders of the Spine, Miami, FL, March, 2019
589. **Resnick DK:** Introduction of the President. AANS/CNS Joint Section on Disorders of the Spine, Miami, FL, March, 2019
590. **Resnick DK:** Evaluating Bias in the medical literature. Wake Forest Department of Neurosurgery Grand Rounds, Winston Salem, NC, March, 2019
591. **Resnick DK:** Interpreting industry sponsored trials. AANS Benzel Symposium, San Diego, CA, April, 2019
592. **Resnick DK:** Value of spine care in the elderly. AANS Practical Course, San Diego, CA, April 2019
593. **Resnick DK:** The ABNS Primary Examination, current status and evolution. Phoenix, AZ, May, 2019
594. **Resnick DK:** Establishing Balance in Neurosurgical Practice. Medical College of Wisconsin, June, 2019
595. **Resnick DK:** Quality Measurement in Neurosurgery. Medical College of Wisconsin, June, 2019
596. **Resnick DK:** Evaluating Bias in the medical literature. Art Steffee Memorial Lecture, Cleveland Spine Review, July, 2019
597. **Resnick DK:** Patient selection in spine surgery. Cleveland Spine Review, July, 2019
598. **Resnick DK:** Evaluating Bias in the Medical Literature, Grand Rounds, University of Buffalo Dept. of Neurosurgery, August, 2019
599. **Resnick DK:** Complication avoidance in spinal surgery- CSF leaks. North American Spine Society, Chicago, September, 2019
600. **Resnick DK:** Use of the NASS Registry. North American Spine Society, Chicago, September, 2019
601. Schmidt B, Lake W, **Resnick DK:** CT Guided Percutaneous Glycerol Rhizotomy for Trigeminal Neuralgia - A Standardized Protocol To Reduce Radiation Dose and Procedure Time. Congress of Neurological Surgeons, San Francisco, October, 2019
602. **Resnick DK:** Complication avoidance in spinal surgery. Congress of Neurological Surgeons, San Francisco, October, 2019
603. **Resnick DK:** The evolution of the ABNS written examination and other ABNS updates. Congress of Neurological Surgeons, San Francisco, October, 2019

604. **Resnick DK:** Adult spinal deformity surgery is not sustainable in its current form. Wisconsin Spine Review, Madison, November, 2019
605. **Resnick DK:** Complications of degenerative lumbar surgery. Congress of Neurological Surgeons Spine Complication Course, Park City, February, 2020
606. **Resnick DK:** Complications of degenerative cervical surgery. Congress of Neurological Surgeons Spine Complication Course, Park City, February, 2020
607. **Resnick DK:** Complications associated with surgery for tumors, trauma, and infection. Congress of Neurological Surgeons Spine Complication Course, Park City, February, 2020
608. **Resnick DK:** Update on the ABNS POST and Continuous Certification. Congress of Neurological Surgeons Spine Complication Course, Park City, February, 2020
609. **Resnick DK, Schmidt D, Momin E, Hetzel SJ, Ghogawala Z:** Variability in recommendations for treating grade 1 spondylolisthesis in 114 patients evaluated by 28 spine surgeons. AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020
610. **Resnick DK:** Pearls and Pitfalls of Lumbar Discectomy. AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020
611. **Resnick DK:** Decompression and Fusion Versus Decompression Alone For Grade 1 Degenerative Lumbar Spondylolisthesis: A Review. AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020
612. **Resnick DK:** A perspective of service. AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020
613. **Resnick DK:** Evolution in the training of spine surgeons. AANS/CNS Joint Section on Disorders of the Spine, Los Vegas, NV, March, 2020
614. **Resnick DK:** Show me the evidence. Congress of Neurological Surgeons Virtual Visiting Professor. April, 2020
615. **Resnick DK:** Bias in the medical literature. University of Wisconsin Dept. of Neurosurgery Virtual Professor's Rounds. March, 2020
616. **Resnick DK:** Patient satisfaction measures and spondylolisthesis. University of Wisconsin Dept. of Neurosurgery Virtual Professor's Rounds. April, 2020
617. **Resnick DK:** Cervical Case Presentations. University of Wisconsin Dept. of Neurosurgery Virtual Professor's Rounds. May, 2020
618. **Resnick DK:** Update from the ABNS for Program Directors. Society of Neurological Surgeons Meeting, May, 2020
619. **Resnick DK:** What does the ABNS do? Virtual Professor's Rounds, University of Wisconsin Dept. of Neurosurgery, July, 2020
620. **Resnick DK:** The ABNS Written Examination and the SNS Matrix. One Neurosurgery Summit, July, 2020
621. **Resnick DK:** ABNS Update. AANS/CNS Washington Committee Mtg, July, 2020
622. **Resnick DK:** ABNS Update. Society of Neurological Surgeons Fall Mtg. September, 2020
623. Ghogawala Z, Dunbar M, Kanter A, Albert T, Bisson E, Wang M, **Resnick DK**, et al: Spine expert panel review for medical decision making: laminectomy and fusion versus laminectomy alone. Accepted but not presented, Congress of Neurological Surgeons, Sept. 2020
624. Page PS, Greenway G, Burkett DJ, **Resnick DK:** Comparison of decompression vs. decompression plus fusion for lumbar synovial cysts and analysis of factors for cyst recurrence. Accepted but not presented, Congress of Neurological Surgeons, Sept. 2020
625. **Resnick DK:** ABNS Update. Academy of Academic Neurosurgeons, November, 2020
626. **Resnick DK:** ABNS Update. ACGME Residency Review Committee, January, 2021

627. **Resnick DK:** ABNS Update. Neurosurgical Summit, April, 2021
628. **Resnick DK:** ABNS Update. AANS Board of Directors, April, 2021
629. **Resnick DK:** ABNS Update. ACGME Residency Review Committee, May, 2021
630. **Resnick DK:** Written examination questions and the Matrix, One Neurosurgery Summit, June, 2021
631. **Resnick DK:** Research as a requisite of neurosurgery resident education. One Neurosurgery Summit, June, 2021
632. **Resnick DK:** Introduction of the Meritorious Service Award Winner. AANS/CNS Joint Section on Disorders of the Spine. July, 2021
633. **Resnick DK:** COVID Pandemic- what have we learned? AANS/CNS Joint Section on Disorders of the Spine. July, 2021
634. **Resnick DK:** Thinking ahead- structuring your first five years in practice for success. AANS/CNS Joint Section on Disorders of the Spine. July, 2021
635. **Resnick DK, Schmidt BM, Parmar V, Ghogawala Z:** Identifying Patient Specific Variables Influencing Decisions to Perform Fusion in Grade I Spondylolisthesis Based on Expert Panel Recommendations from SLIP II Study. Submitted to the Academy of Academic Neurosurgeons for presentation in September, 2021
636. **Resnick DK:** Lumbar Fusion Guidelines, Congress of Neurological Surgeons Meeting, Austin, TX, October, 2021
637. **Resnick DK:** Residency Challenges in 2021- it is not like it used to be. Congress of Neurological Surgeons Meeting, Austin, TX, October, 2021
638. **Resnick DK:** My worst spinal complication: Lessons Learned. Congress of Neurological Surgeons Meeting, Austin, TX, October, 2021
639. **Resnick DK:** Lumbar fusion for stenosis without spondylolisthesis. Congress of Neurological Surgeons Meeting, Austin, TX, October, 2021

Masters Thesis:

The Role of Cyclooxygenase 2 in Acute Spinal Cord Injury.
Defended on June 12, 1997.

Listed In:

American Board of Medical Specialists, 2006- present
America's Top Doctors Castle Connolly, 2002-present
America's Top Physicians, Consumer's Research Council, 2004-present

America's Top Surgeons, 2007-present
Becker's Spine Review "102 Surgeons Focused on Spine Research, 2013
Best Doctors in America (Top 4% of specialty nominated by national survey of colleagues),
Bestdoctors.com, 2002-present
In Business Magazine "UW's Top Doctors," 2003
International Who's Who of Professionals, 2008- present
Index Copernicus, 2007-2008
Kipling's Who's Who, 2010-2011
The Metropolitan Professional Registry, 2004-2008
Marquis' Who's Who, 2009-present
Strathmore's Who's Who, 2008-11
Who's Who in America, 55-62nd ed. Marquis Who's Who, New Providence, NJ., 2000-2010
Who's Who in Science and Engineering, 7th Ed. 2003-2009
Who's Who in Medicine and Healthcare, 2004-2011
Who's Who in Medical Sciences Education, 2005-11
2000 Outstanding Scientists of the 21st Century, 2004

Grants:

1. **Resnick DK**, Resnick NM, Welch WC: The development of virally directed enzyme prodrug therapy for tumors metastatic to the central nervous system. Copeland Fund intramural grant. 1994 \$3,500.
2. **Resnick DK**, Dixon CE, Marion DW, Graham SH: The role of cyclooxygenase 2 in spinal cord injury. Copeland Fund intramural grant. 1996 \$15, 037.
3. **Resnick DK**, Bonaroti EA, Marion DW: Human oligodendrocyte precursor transplantation for chronic adult rat spinal cord injury. Copeland Fund intramural grant, 1997 \$15,400.
4. **Resnick DK**: Biomechanical evaluation of anterior C1-C2 transarticular screw fixation technique. Unrestricted laboratory grant from Sofamor Danek, 2001, \$6,500.00
5. **Resnick DK**: Evaluation of Vitoss tricalcium phosphate bone substitute for reconstruction of the iliac crest. Principle investigator, 2001, \$11,000.00
6. **Resnick DK**: Guidelines for the performance of lumbar fusion. AANS/CNS Joint Section on Spine. Principle Investigator, 2003, \$35,000.00
7. Lapsiwala S, **Resnick DK**: Biomechanical analysis of C1-2 fixation techniques. AANS/CNS Section on Spine, Spine Fellowship, Co-Principle Investigator, 2003, \$50,000.00
8. Medow J, **Resnick DK**: Blood flow changes in spinal cord compression and syringomyelia. CNS Syringomyelia fellowship, Co-Principle Investigator, 2003, \$10,000.00

9. **Resnick DK**, Anderson PA: Pivotal IDE study for the Bryan cervical disc prosthesis in the treatment of degenerative disc disease. Medtronic Sofamor Danek, Principle Investigator, 2004, \$181,000.00.
10. Miranpuri GS: Chronic spinal cord injury and neuropathic pain. University of Wisconsin Medical School Research Committee, Mentor, 2004, \$14,000.00.
11. Rajpal S, **Resnick DK**: The influence of inflammation on the incidence and severity of post spinal cord injury pain. CNS Clinical Spine Fellowship, 2006, \$50,000.00, co-PI and mentor.
12. Blankenbaker D, Haughton V, Anderson PA, **Resnick DK**, Wu Y, Fine J: The Effect of Spinal Fusion on the Water Content and Mobility of the Adjacent Intervertebral Disks Measured with Quantitative MR and Dynamic CT. RSNA R&E Foundation Grant, \$90,000, Co-Investigator, 2006.
13. Moftakar R, **Resnick DK**, Baskaya MK: Non-invasive intra-aneurysmal pressure and flow velocity measurement as a tool in predicting cerebral aneurysm rupture. AANS Young Investigator Award, \$15,000.00, PI, 2007.
14. **Resnick DK**: Long term outcomes of patients with lumbar stenosis treated with the X-stop device. Kyphon/Medtronic \$12,370.00, 2007-2011, Site Principle Investigator.
15. **Resnick DK**: Pivotal IDE study of the Bryan artificial disc prosthesis. Medtronic, \$12,138.00, 2007- present, site Principle Investigator.
16. **Resnick DK**, Glassman S: Evaluating the efficacy of lumbar fusion: defining relevant diagnoses, procedures, and outcomes. NIH/NIAMS R13 HS 17877-01, 2009, PI, \$50,000.00. North American Spine Society \$25,000.00. AANS/CNS Joint Section on Disorders of the Spine, \$7,500.00, Scoliosis Research Society \$5,000.00
17. Ghogowala Z, **Resnick DK**, Shaffrey CM: Neurosurgery Patient Outcomes in Treating Spinal Disorders (NEUROPOINT-SD). AANS/CNS Section on Disorders of the Spine and the Wallace Foundation, \$200,000.00, December, 2009-2012. Co-PI.
18. **Resnick DK**, Rao S, Agrawal B: Lumbar Spine Disorders in the Wisconsin Population. Wallace Foundation/AANS/CNS Joint Section on Disorders of the Spine \$50,000.00. 2010-2012
19. Agrawal BA, **Resnick DK**: Comparative effectiveness research in lumbar spine disorders. Congress of Neurological Surgeons Spine Fellowship. \$15,000.00, role: mentor. 2013
20. Ghogawala et al, Cervical Spondylotic Myelopathy Surgical Trial. NIH-NIAMS/PCORI grant. \$1,500,000.00. Role: Scientific Advisory Panel, 2013-2014, Site PI 2015-2017, local budget \$100,000.00
21. Ghogawala et al, "Enhancing Active Surveillance of High Risk Medical Devices", FDA U01-FD004963. Consultant

26. Ghogawala Z, Albert TL, **Resnick DK**: Coordinated spine care versus chaotic spine care. Effects of guided care on outcomes, cost, and patient satisfaction. Wallace Foundation, 2015-2017, \$1,400,000. Co-PI

27. Ghogowala et al, Fusion for Spondylolisthesis 2 (SLIP-2), Wallace Foundation, PCORI, \$1,500,000.00. Co-PI, 2017-2022

Hobbies and Interests

Cycling, Music, Travel, and Health Policy