

CURRICULUM VITAE

Michael G. Kaiser, MD, FACS

WORK ADDRESS: Columbia University College of Physicians and Surgeons  
The Neurological Institute of New York  
Department of Neurosurgery Phone: (212) 305-0378  
710 West 168<sup>th</sup> Street, Rm 504 e-mail: mgk7@columbia.edu  
New York, NY 10032

PERSONAL: Date of Birth: September 14, 1967  
Place of Birth: Manhasset, NY  
Marital Status: Married

ACADEMIC TRAINING:

B.A., New York University, New York, NY 9/1985-6/1988  
M.D., Yale University School of Medicine, New Haven, CT 9/1989-6/1994

TRAINEESHIP:

Internship: Department of Surgery  
Columbia University College of Physicians & Surgeons,  
Columbia Presbyterian Medical Center, New York, NY 7/1994-6/1995  
Residency: Department of Neurological Surgery  
Columbia University College of Physicians & Surgeons  
Columbia Presbyterian Medical Center, New York, NY 7/1995-6/2000  
Fellowship: Neurosurgical Spine Fellowship  
The Emory Clinic  
Emory University, Atlanta, GA 7/2000-6/2001

POSITIONS HELD:

Clinical Associate Professor of Neurosurgery 10/2020-Present  
NYU Grossman School of Medicine  
Department of Neurosurgery  
Associate Professor of Neurosurgery 7/2001-6/2019  
Columbia University College of Physicians and Surgeons  
Department of Neurosurgery  
Associate Professor of Neurosurgery 2021  
Columbia University College of Physicians and Surgeons  
Department of Neurosurgery  
Director – Spine Surgery @ Valley Hospital 2020-Present  
The Valley Hospital  
Ridgewood, NJ 07450  
Senior Partner – Coportate Director of Spine Surgery 2015-Present  
Neurosurgeons of New Jersey  
1200 East Ridgewood Ave  
Ridgewood, NJ 07450

LICENSURE:

State of New York Medical License - #220494-1  
State of New Jersey Medical License – 25MA07761500

CERTIFICATION:

American Board of Neurological Surgeons 11/2004  
Completed Maintenance of Certification 09/2014 – Present

ORGANIZATIONS/MEMBERSHIPS:

Journal of Neurosurgery: Spine Editorial Board (Co-chairman - 2017-2018)	2013-2018
Thoracolumbar trauma guidelines task force – Co-chairman AANS/CNS Joint Section of Disorders of Spine & Peripheral Nerves	2016-2018
Lumbar fusion update guidelines task force – Chairman AANS/CNS Joint Section of Disorders of Spine & Peripheral Nerves	2012-2014
Cervical degenerative disease guidelines task force – Panel member AANS/CNS Joint Section of Disorders of Spine & Peripheral Nerves	2007-2009
Guidelines Committee - Chairmen AANS/CNS Joint Section of Disorders of Spine & Peripheral Nerves	2008-2012
Quality Improvement Workgroup for the AANS/CNS Washington Committee - Member	2008-2012
Data Analysis Work Group for the Society Coalition Task Force on Lumbar Fusion – Co-Chair	2008-2010
CNS Executive Committee	2009-2010
CNS Annual Meeting Scientific Program Committee member	2009
CNS Annual meeting Scientific Program Committee - Practical Course Chairman	2008
Medical Advisory Board Member – Alan T. Brown Foundation To Cure Paralysis	2007-Present
CNS Scientific Program Committee Luncheon Seminar Chairman	2007
Fellow of the American College of Surgeon	2006-present
Strategic Advisory Board Member – Globus Medical Inc.	2005-2009
Executive Committee for AANS/CNS Joint Section on Disorders of Spine & Peripheral Nerves	2005-2012
Outcomes Committee Chairmen for AANS/CNS Joint Section of Disorders of Spine & Peripheral Nerves	2005-2009
North American Spine Society	2005-2013

AANS/CNS Joint Section on Disorders  
of the Spine & Peripheral Nerves 1998-present

American Association of Neurological Surgeons 1997-present

Congress of Neurological Surgeons 1997-present

ADHOC JOURNAL REVIEWER:

Neurosurgery 2004-2015  
The Spine Journal 2005-2015  
Neurosurgical Focus 2005-2015

HONORS & AWARDS:

American Board of Neurological Surgeons  
Guest Examiner 2015

The Elsberg Award 1997  
New York Society of Neurosurgery

The Peter F. Curran Thesis Award 1994  
Yale University School of Medicine

American Heart Association Research Fellowship 1992-1993  
Yale University School of Medicine

Farr Scholar 1990-1993  
Yale University School of Medicine

Class President 1990-1993  
Yale University School of Medicine

Summa cum laude 1988  
New York University

Biology Representative Class 1988 1988  
New York University

Founder's Day Award 1988  
New York University

RESEARCH TRAINING:

1997-1998 Post Doctoral Research Fellow - Columbia Presbyterian Medical Center  
1.) Demonstrated the clinical utility of convection enhanced intracerebral  
microinfusion in the C6 rat glioma model.  
2.) Characterized factors contributing to variable expression of stable transfected  
genetic constructs.  
Mentor: Jeffrey N. Bruce. MD

1992-1994 Research Assistant - Yale University School of Medicine  
1.) Developed and characterized the combination of laser Doppler and  
microdialysis to investigate the coupling of neuronal activity to regional  
cerebral blood flow.  
2.) Investigated the release of catecholamines in the conscious human brain  
during cognitive processing.  
Mentor: Matthew During, MD

PEER REVIEWED PUBLISHED PRACTICE GUIDELINES:

O'Toole JE, **Kaiser MG**, Anderson PA, Arnold PM, Chi JH, Dailey AT, Dhall SS, Eichholz KM, Harrop JS, Hoh DJ, Qureshi S, Rabb CH, Raksin PB. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Executive Summary. *Neurosurgery* 84(1): 2-6, 2019.

Dailey AT, Arnold PM, Anderson PA, Chi JH, Dhall SS, Eichholz KM, Harrop JS, Hoh DJ, Qureshi S, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Classification of Injury. *Neurosurgery* 84(1): E24-E27, 2019.

Qureshi S, Dhall SS, Anderson PA, Arnold PM, Chi JH, Dailey AT, Eichholz KM, Harrop JS, Hoh DJ, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Radiological Evaluation. *Neurosurgery* 84(1): E28-E31, 2019.

Harrop JS, Chi JH, Anderson PA, Arnold PM, Dailey AT, Dhall SS, Eichholz KM, Hoh DJ, Qureshi S, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Neurological Assessment. *Neurosurgery* 84(1): E32-E35, 2019.

Arnold PM, Anderson PA, Chi JH, Dailey AT, Dhall SS, Eichholz KM, Harrop JS, Hoh DJ, Qureshi S, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Pharmacological Treatment. *Neurosurgery* 84(1): E36-E38, 2019.

Raksin PB, Harrop JS, Anderson PA, Arnold PM, Chi JH, Dailey AT, Dhall SS, Eichholz KM, Hoh DJ, Qureshi S, Rabb CH, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Prophylaxis and Treatment of Thromboembolic Events. *Neurosurgery* 84(1): E39-E42, 2019.

Dhall SS, Dailey AT, Anderson PA, Arnold PM, Chi JH, Eichholz KM, Harrop JS, Hoh DJ, Qureshi S, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Hemodynamic Management. *Neurosurgery* 84(1): E43-E45, 2019.

Hoh DJ, Qureshi S, Anderson PA, Arnold PM, Chi JH, Dailey AT, Dhall SS, Eichholz KM, Harrop JS, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Nonoperative Care. *Neurosurgery* 84(1): E46-E49, 2019.

Rabb CH, Hoh DJ, Anderson PA, Arnold PM, Chi JH, Dailey AT, Dhall SS, Eichholz KM, Harrop JS, Qureshi S, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Operative versus Nonoperative Treatment. *Neurosurgery* 84(1): E50-E52, 2019.

Eichholz KM, Rabb CH, Anderson PA, Arnold PM, Chi JH, Dailey AT, Dhall SS, Harrop JS, Hoh DJ, Qureshi S, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Timing of Surgical Intervention. *Neurosurgery* 84(1): E53-E55, 2019.

Anderson PA, Raksin PB, Arnold PM, Chi JH, Dailey AT, Dhall SS, Eichholz KM, Harrop JS, Hoh DJ, Qureshi S, Rabb CH, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Surgical Approaches. *Neurosurgery* 84(1): E56-E58, 2019.

Chi JH, Eichholz KM, Anderson PA, Arnold PM, Dailey AT, Dhall SS, Harrop JS, Hoh DJ, Qureshi S, Rabb CH, Raksin PB, **Kaiser MG**, O'Toole JE. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Evaluation and Treatment of Patients with Thoracolumbar Spine Trauma: Novel Surgical Strategies. *Neurosurgery* 84(1): E59-E62, 2019.

**Kaiser MG**, Eck JC, Groff MW, Ghogawala Z, Watters WC 3rd, Dailey AT, Resnick DK, Choudhri TF, Sharan A, Wang JC, Dhall SS, Mummaneni PV. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 17: bone growth stimulators as an adjunct for lumbar fusion. *J Neurosurg Spine*. 21(1):133-139, 2014.

**Kaiser MG**, Groff MW, Watters WC 3rd, Ghogawala Z, Mummaneni PV, Dailey AT, Choudhri TF, Eck JC, Sharan A, Wang JC, Dhall SS, Resnick DK. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 16: bone graft extenders and substitutes as an adjunct for lumbar fusion. *J Neurosurg Spine*. 21(1):106-132, 2014.

Sharan A, Groff MW, Dailey AT, Ghogawala Z, Resnick DK, Watters WC 3rd, Mummaneni PV, Choudhri TF, Eck JC, Wang JC, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 15: electrophysiological monitoring and lumbar fusion. *J Neurosurg Spine*. 21(1):102-105, 2014.

Dailey AT, Ghogawala Z, Choudhri TF, Watters WC 3rd, Resnick DK, Sharan A, Eck JC, Mummaneni PV, Wang JC, Groff MW, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 14: brace therapy as an adjunct to or substitute for lumbar fusion. *J Neurosurg Spine*. 21(1):91-101, 2014.

Watters WC 3rd, Resnick DK, Eck JC, Ghogawala Z, Mummaneni PV, Dailey AT, Choudhri TF, Sharan A, Groff MW, Wang JC, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 13: injection therapies, low-back pain, and lumbar fusion. *J Neurosurg Spine*. 21(1):79-90, 2014.

Groff MW, Dailey AT, Ghogawala Z, Resnick DK, Watters WC 3rd, Mummaneni PV, Choudhri TF, Eck JC, Sharan A, Wang JC, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 12: pedicle screw fixation as an adjunct to posterolateral fusion. *J Neurosurg Spine*. 21(1):75-78, 2014.

Mummaneni PV, Dhall SS, Eck JC, Groff MW, Ghogawala Z, Watters WC 3rd, Dailey AT, Resnick DK, Choudhri TF, Sharan A, Wang JC, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 11: interbody techniques for lumbar fusion. *J Neurosurg Spine*. 21(1):67-74, 2014.

Resnick DK, Watters WC 3rd, Mummaneni PV, Dailey AT, Choudhri TF, Eck JC, Sharan A, Groff MW, Wang JC, Ghogawala Z, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 10: lumbar fusion for stenosis without spondylolisthesis. *J Neurosurg Spine*. 21(1):62-66, 2014.

Resnick DK, Watters WC 3rd, Sharan A, Mummaneni PV, Dailey AT, Wang JC, Choudhri TF, Eck J, Ghogawala Z, Groff MW, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 9: lumbar fusion for stenosis with spondylolisthesis. *J Neurosurg Spine*. 21(1):54-61, 2014.

Wang JC, Dailey AT, Mummaneni PV, Ghogawala Z, Resnick DK, Watters WC 3rd, Groff MW, Choudhri TF, Eck JC, Sharan A, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 8: lumbar fusion for disc herniation and radiculopathy. *J Neurosurg Spine*. 21(1):48-53, 2014.

Eck JC, Sharan A, Ghogawala Z, Resnick DK, Watters WC 3rd, Mummaneni PV, Dailey AT, Choudhri TF, Groff MW, Wang JC, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 7: lumbar fusion for intractable low-back pain without stenosis or spondylolisthesis. *J Neurosurg Spine*. 21(1):42-47, 2014.

Eck JC, Sharan A, Resnick DK, Watters WC 3rd, Ghogawala Z, Dailey AT, Mummaneni PV, Groff MW, Wang JC, Choudhri TF, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 6: discography for patient selection. *J Neurosurg Spine*. 21(1):37-41, 2014.

Dhall SS, Choudhri TF, Eck JC, Groff MW, Ghogawala Z, Watters WC 3rd, Dailey AT, Resnick DK, Sharan A, Mummaneni PV, Wang JC, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 5: correlation between radiographic outcome and function. *J Neurosurg Spine*. 21(1):31-36, 2014.

Choudhri TF, Mummaneni PV, Dhall SS, Eck JC, Groff MW, Ghogawala Z, Watters WC 3rd, Dailey AT, Resnick DK, Sharan A, Wang JC, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 4: radiographic assessment of fusion status. *J Neurosurg Spine*. 21(1):23-30, 2014.

Ghogawala Z, Whitmore RG, Watters WC 3rd, Sharan A, Mummaneni PV, Dailey AT, Choudhri TF, Eck JC, Groff MW, Wang JC, Resnick DK, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 3: assessment of economic outcome. *J Neurosurg Spine*. 21(1):14-22, 2014.

Ghogawala Z, Resnick DK, Watters WC 3rd, Mummaneni PV, Dailey AT, Choudhri TF, Eck JC, Sharan A, Groff MW, Wang JC, Dhall SS, **Kaiser MG**. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 2: assessment of functional outcome following lumbar fusion. *J Neurosurg Spine*. 21(1):7-13, 2014.

**Kaiser MG**, Eck JC, Groff MW, Watters WC 3rd, Dailey AT, Resnick DK, Choudhri TF, Sharan A, Wang JC, Mummaneni PV, Dhall SS, Ghogawala Z. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 1: introduction and methodology. *J Neurosurg Spine*. 21(1):2-6, 2014.

**Kaiser MG**, Mummaneni PV, Matz PG, Anderson PA, Groff MW, Heary RF, Holly LT, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Radiographic assessment of cervical subaxial fusion. *J Neurosurg Spine* 11(2): 221-227, 2009.

**Kaiser MG**, Mummaneni PV, Matz PG, Anderson PA, Groff MW, Heary RF, Holly LT, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Management of anterior cervical pseudoarthrosis. *J Neurosurg Spine* 11(2): 228-237, 2009.

Resnick DK, Anderson PA, **Kaiser MG**, Groff MW, Heary RF, Holly LT, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Matz PG. Electrophysiological monitoring during surgery for cervical degenerative myelopathy and radiculopathy. *J Neurosurg Spine* 11(2): 245-252, 2009.

Holly LT, Matz PG, Anderson PA, Groff MW, Heary RF, **Kaiser MG**, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Functional outcomes assessment for cervical degenerative disease. *J Neurosurg Spine* 11(2): 238-244, 2009.

Ryken TC, Heary RF, Matz PG, Anderson PA, Groff MW, Holly LT, **Kaiser MG**, Mummaneni PV, Choudhri TF, Vresilovic EJ, Resnick DK. Techniques for cervical interbody grafting. J Neurosurg Spine 11(2): 203-220, 2009.

Heary RF, Ryken TC, Matz PG, Anderson PA, Groff MW, Holly LT, **Kaiser MG**, Mummaneni PV, Choudhri TF, Vresilovic EJ, Resnick DK. Cervical laminoforaminotomy for the treatment of cervical degenerative radiculopathy. J Neurosurg Spine 11(2): 198-202, 2009.

Matz PG, Ryken TC, Groff MW, Vresilovic EJ, Anderson PA, Heary RF, Holly LT, **Kaiser MG**, Mummaneni PV, Choudhri TF, Resnick DK. Techniques for anterior cervical decompression for radiculopathy. J Neurosurg Spine 11(2): 183-197, 2009.

Matz PG, Holly LT, Groff MW, Vresilovic EJ, Anderson PA, Heary RF, **Kaiser MG**, Mummaneni PV, Ryken TC, Choudhri TF, Resnick DK. Indications for anterior cervical decompression for the treatment of cervical degenerative radiculopathy. J Neurosurg Spine 11(2): 174-182, 2009.

Matz PG, Holly LT, Mummaneni PV, Anderson PA, Groff MW, Heary RF, **Kaiser MG**, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Anterior cervical surgery for the treatment of cervical degenerative myelopathy. J Neurosurg Spine 11(2): 170-173, 2009.

Matz PG, Anderson PA, Groff MW, Heary RF, Holly LT, **Kaiser MG**, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Cervical laminoplasty for the treatment of cervical degenerative myelopathy. J Neurosurg Spine 11(2): 157-169, 2009.

Anderson PA, Matz PG, Groff MW, Heary RF, Holly LT, **Kaiser MG**, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Laminectomy and fusion for the treatment of cervical degenerative myelopathy. J Neurosurg Spine 11(2):150-156, 2009.

Ryken TC, Heary RF, Matz PG, Anderson PA, Groff MW, Holly LT, **Kaiser MG**, Mummaneni PV, Choudhri TF, Vresilovic EJ, Resnick DK. Cervical laminectomy for the treatment of cervical degenerative myelopathy. J Neurosurg Spine 11(2): 142-149, 2009.

Mummaneni PV, **Kaiser MG**, Matz PG, Anderson PA, Groff MW, Heary RF, Holly LT, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Cervical surgical techniques for the treatment of cervical spondylotic myelopathy. J Neurosurg Spine 11(2): 130-141, 2009.

Mummaneni PV, **Kaiser MG**, Matz PG, Anderson PA, Groff M, Heary R, Holly L, Ryken T, Choudhri T, Vresilovic E, Resnick D. Preoperative patient selection with magnetic resonance imaging, computed tomography, and electroencephalography: does the test predict outcome after cervical surgery? J Neurosurg Spine 11(2): 119-129, 2009.

Holly LT, Matz PG, Anderson PA, Groff MW, Heary RF, **Kaiser MG**, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Clinical prognostic indicators of surgical outcome in cervical spondylotic myelopathy. J Neurosurg Spine 11(2): 112-118, 2009.

Matz PG, Anderson PA, Holly LT, Groff MW, Heary RF, **Kaiser MG**, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. The natural history of cervical spondylotic myelopathy. J Neurosurg Spine 11(2): 104-111, 2009.

Matz PG, Anderson PA, **Kaiser MG**, Holly LT, Groff MW, Heary RF, Mummaneni PV, Ryken TC, Choudhri TF, Vresilovic EJ, Resnick DK. Introduction and methodology: guidelines for the surgical management of cervical degenerative disease. J Neurosurg Spine 11(2): 101-103, 2009.

PEER REVIEWED PUBLICATIONS:

Editorial: Perioperative outcomes and adverse events of minimally invasive surgery during transforaminal lumbar interbody fusion/posterior lumbar interbody fusion. Heary RF, **Kaiser, MG**. *J Neurosurg Spine* 24(3): 413-414, 2016.

Whitmore RG, Curran JN, Ali ZS, Mummaneni PV, Shaffrey CI, Heary RF, **Kaiser MG**, Asher AL, Malhotra NR, Cheng JS, Hurlbert J, Smith JS, Magge SN, Steinmetz MP, Resnick DK, Ghogawala Z. Predictive value of 3-month lumbar discectomy outcomes in NeuroPoint-SD Registry. *J Neurosurg Spine*. Jul 3:1-8. [Epub ahead of print], 2015.

**Kaiser MG**. Response. *J Neurosurg Spine*. 22(2): 219, 2015.

Mummaneni PV, Whitmore RG, Curran JN, Ziewacz JE, Wadhwa R, Shaffrey CI, Asher AL, Heary RF, Cheng JS, Hurlbert RJ, Douglas AF, Smith JS, Malhotra NR, Dante SJ, Magge SN, **Kaiser MG**, Abbed KM, Resnick DK, Ghogawala Z. Cost-effectiveness of lumbar discectomy and single-level fusion for spondylolisthesis: experience with the NeuroPoint-SD registry. *Neurosurg Focus*. 36(6):E3, 2014.

Ghogawala Z, Shaffrey CI, Asher AL, Heary RF, Logvinenko T, Malhotra NR, Dante SJ, Hurlbert RJ, Douglas AF, Magge SN, Mummaneni PV, Cheng JS, Smith JS, **Kaiser MG**, Abbed KM, Sciubba DM, Resnick DK. The efficacy of lumbar discectomy and single-level fusion for spondylolisthesis: results from the NeuroPoint-SD registry: clinical article. *J Neurosurg Spine*. 19(5):555-563, 2013.

Ellis JA, Canoll P, McCormick PC 2<sup>nd</sup>, Feldstein NA, Anderson RC, Angevine PD, **Kaiser MG**, McCormick PC, Bruce JN, Ogden AT. Platelet-derived growth factor receptor (PDGFR) expression in primary spinal cord gliomas. *J Neurooncol*. 106(2):235-242, 2012.

Ellis JA, Rothrock RJ, Moise G, McCormick PC 2<sup>nd</sup>, Tanji K, Canoll P, **Kaiser MG**, McCormick PC. Primitive neuroectodermal tumors of the spine: a comprehensive review with illustrative clinical cases. *Neurosurgical Focus*. 30(1): E1, 2011.

Malone HR, Syed ON, Downes MS, D'Ambrosio AL, Quest DO, **Kaiser MG**. Simulation in neurosurgery: a review of computer-based simulation environments and their surgical applications. *Neurosurgery* 67(4): 1105-1116, 2010.

Komotar RJ, Zacharia BE, Mocco J, **Kaiser MG**, Frucht SJ, McKhann GM. Cervical spine disease may result in a negative lumbar spinal drainage trial in normal pressure hydrocephalus: case report. *Neurosurgery* 63(4 Suppl 2): 315-318, 2008.

Angevine PD, **Kaiser MG**. Radiographic measurement techniques. *Neurosurgery* 63 (3 Suppl): 40-45, 2008.

Ogden AT, McCormick PC, **Kaiser MG**. Intramedullary inclusion cysts of the cervicothoracic junction: Report of two cases in adults and review of the literature. *J Neurosurg Spine* 7(2):236-242, 2007.

Waziri A, Vonsattel JP, **Kaiser MG**, Anderson RC. Expansile, enhancing cervical cord lesion with an associated syrinx secondary to demyelination. Case report and review of the literature. *J Neurosurg Spine* 6(1): 52-56, 2007.

Mandigo CE, Sampath P, **Kaiser MG**. Posterior dynamic stabilization of the lumbar spine: pedicle based stabilization with the AccuFlex system. *Neurosurgical Focus* 22(1): E9, 2007.

Komotar RJ, Mocco J, **Kaiser MG**. Surgical management of cervical myelopathy: indications and techniques for laminectomy and fusion. *Spine J* 6(6 Suppl): 252S-267S, 2006.



**Kaiser MG.** Multilevel cervical spondylosis. *Neurosurg Clin N Am* 17(3): 263-275, 2006.

**Kaiser MG, Haid RW.** Cervicomedullary compression and occipitocervical instability. *Neurosurg Clin N Am* 17(3): 235-246, 2006.

Komotar RJ, Connolly ES, Clatterbuck RE, Khandji AG, Lavine SD, **Kaiser MG.** Clinoradiological Review: dural arteriovenous fistula and cervical spondylosis mimicking multiple sclerosis. *Neurosurgery* 56(6):1325-1329, 2005.

Ogden AT, **Kaiser MG.** Single-stage debridement and instrumentation for pyogenic spinal infections. *Neurosurgical Focus* 17(6): E5, 2004.

O'Toole JE, Olson TJ, **Kaiser MG.** Surgical management of dissociated motor loss following complex cervical spine reconstruction. *Spine* 29(3): E56-E60, 2004.

Gupta R, Oh U, Spessot AL, Anderson RC, **Kaiser MG, Fitzsimmons BF.** Resolution of Ondine's curse after suboccipital decompression in a 72-year-old woman. *Neurology* 61(2): 275-276, 2003

**Kaiser MG, Haid RW, Subach GE, Miller J, Smith CD, Rodts GE.** Comparison of the mini-open versus laparoscopic approach for anterior lumbar interbody fusion: a retrospective review. *Neurosurgery* 51(1): 97-103, 2002.

**Kaiser MG, Haid RW, Subach GE, Barnes B, Rodts GE.** Anterior cervical plating enhances arthrodesis after discectomy and fusion with cortical allograft. *Neurosurgery* 50(2): 229-236, 2002.

Barnes B, Haid RW, Rodts G, Subach B, **Kaiser M.** Early results using the Atlantis anterior cervical plate system. *Neurosurgical Focus* 12(1): E13, 2002.

Subach BR, Haid RW, Rodts GE, **Kaiser MG.** Bone morphogenetic protein in spinal fusion: overview and clinical update. *Neurosurgical Focus* 10(4): E3, 2001.

**Kaiser MG, Parsa AT, Fine RL, et al.** Tissue distribution and antitumor activity of topotecan delivered by intracerebral clysis in the rat glioma model. *Neurosurgery* 47(6): 1391-1398, 2000.

Parsa AT, Chakrabarti I, Hall JS, Hurley PT, Chi JH, **Kaiser MG, Bruce JN.** Limitations of the C6/Wistar rat intracerebral glioma model: implications for evaluating immunotherapy. *Neurosurgery* 47(4): 993-999, 2000.

**Kaiser MG, During MJ.** Combining laser Doppler flowmetry with microdialysis: a novel approach to investigate the coupling of regional cerebral blood flow to neuronal activity. *J Neurosci Methods* 60(1-2): 165-173, 1995.

#### TEXTBOOK EDITOR:

Degenerative Cervical Myelopathy and Radiculopathy: Treatment Approaches and Options, 1<sup>st</sup> edition. **Kaiser MG, Haid R, Shaffrey C, Fehlings M** eds. Springer Nature Switzerland AG, 2019.

Fundamentals of Operative Techniques in Neurosurgery. Connolly ES, McKhann GM, Huang J, and Choudhri TF, eds. New York: Thieme, 2002 – Section editor.

#### TEXTBOOK CHAPTERS:

Malone HR, **Kaiser MG.** Multi-level ACDF versus Corpectomy. In: Degenerative Cervical Myelopathy and Radiculopathy: Treatment Approaches and Options, 1<sup>st</sup> edition. **Kaiser MG, Haid R, Shaffrey C, Fehlings M** eds. Springer Nature Switzerland AG, 2019.

Syed ON, Mandigo CE, **Kaiser MG**. Metabolic and Other Nondegenerative Causes of Low Back Pain. In: Youmans Neurological Surgery, 6<sup>th</sup> edition. Winn HR ed. New York: Elsevier, pp. 2796-2805, 2011.

Syed ON, McCormick PC, **Kaiser MG**. Anterior Thoracic Instrumentation. In: Youmans Neurological Surgery, 6<sup>th</sup> edition. Winn HR ed. New York: Elsevier, pp. 3051-3060, 2011.

Stuart RM, **Kaiser MG**, Angevine PA. Anterior Lumbar Instrumentation. In: Youmans Neurological Surgery, 6<sup>th</sup> edition. Winn HR ed. New York: Elsevier, pp. 3068-3074, 2011.

**Kaiser MG**. Posterior Thoracic Approach/Decompression. In: Fundamentals of Operative Techniques in Neurosurgery, 2<sup>nd</sup> Edition. Connolly ES, McKhann GM, Huang J, Choudhri TF, Komotar RJ, Mocco J eds. New York: Thieme, pp. 468-471, 2010.

**Kaiser MG**. Costotransversectomy. In: Fundamentals of Operative Techniques in Neurosurgery, 2<sup>nd</sup> Edition. Connolly ES, McKhann GM, Huang J, Choudhri TF, Komotar RJ, Mocco J eds. New York: Thieme, pp. 477-481, 2010.

**Kaiser MG**. Lateral Extracavitary Approach. In: Fundamentals of Operative Techniques in Neurosurgery, 2<sup>nd</sup> Edition. Connolly ES, McKhann GM, Huang J, Choudhri TF, Komotar RJ, Mocco J eds. New York: Thieme, pp. 482-485, 2010.

Syed ON, **Kaiser MG**. Thoracoabdominal Approach/Decompression. In: Fundamentals of Operative Techniques in Neurosurgery, 2<sup>nd</sup> Edition. Connolly ES, McKhann GM, Huang J, Choudhri TF, Komotar RJ, Mocco J eds. New York: Thieme, pp. 486-490, 2010.

**Kaiser MG**. Transpedicular Approach. In: Fundamentals of Operative Techniques in Neurosurgery, 2<sup>nd</sup> Edition. Connolly ES, McKhann GM, Huang J, Choudhri TF, Komotar RJ, Mocco J eds. New York: Thieme, pp. 529-532, 2010.

Hankinson TC, O'Toole JT, **Kaiser MG**. Multilevel Anterior Cervical Discectomy and Fusion versus Corpectomy for Cervical Kyphosis. In: Spinal deformity: A Guide to Surgical Planning and Management. Mummaneni P, Lenke L, Haid RW eds. St. Louis: Quality Medical Publishing, Inc, pp. 257-289, 2008.

Parsa AT, **Kaiser MG**, McCormick PC. Posterolateral Approaches to the Thoracic Spine. In: Chordomas and Chondrosarcomas. Harsh G, Janecka I, Mankin H, Ojemann R, Suit H, and Mckenna M eds. New York: Thieme, 2005.

**Kaiser MG**, Parsa AT, McCormick PC. Anterior Lumbar Instrumentation. In: Youmans Neurological Surgery, 5<sup>th</sup> edition. Winn HR ed. New York: WB Saunders, pp. 4701-4729, 2004.

**Kaiser MG**, Parsa AT, McCormick PC. Anterior Thoracic Instrumentation. In: Youmans Neurological Surgery, 5<sup>th</sup> edition. Winn HR ed. New York: WB Saunders, pp. 4671-4692, 2004.

**Kaiser MG**, Subach BR, Rodts GE. Operative Approach Selection: Anterior vs. Posterior. In: Lumbar Interbody Fusion Techniques: Cages, Dowels, and Grafts. Haid RW, McLaughlin MR, Fessler RG eds. St. Louis: Quality Medical Publishing, pp. 41-58, 2003.

Parsa AT, Birch BD, **Kaiser MG**, McCormick PC. Primary and Metastatic Tumors to the Spine. In: Combined Modality Therapy of Central Nervous System Tumors. Petrovich Z, Brady LW, Apuzzo MLJ, Bamberg M eds. New York: Springer-Verlag, pp. 503-545, 2000.

**Kaiser MG**, Parsa AT, Birch BD, McCormick PC. Anatomy and Physiology of the Intervertebral Disc. In: Neurosurgery, The Scientific Basis of Clinical Practice, 3<sup>rd</sup> edition. Crockard A, Hayward R, and Hoff J eds. Oxford: Blackwell Science, pp. 1061-1072, 1998.

**Kaiser MG**, McCormick PC. Spinal Vascular Malformations. In: Textbook of Motor Disorders. Younger DS, ed. Philadelphia: Raven-Lippincott, pp. 321-328, 1998.

PUBLISHED REVIEWER COMMENTS:

Haque R, **Kaiser MG**. Comments – Rotational vertebral artery occlusion – series of 9 cases. Lu et. al. Neurosurgery 67(4): 1072, 2010.

**Kaiser MG**. Comments – Intraoperative use of indocyanine green fluorescence videography for resection of a spinal cord hemangioblastoma. Hwang et. al. Neurosurgery 67(Operative Neurosurgery 1): on s303, 2010.

Syed ON, **Kaiser MG**. Comments – Anatomic features of the paramedian muscle-splitting approaches to the lumbar spine. Hoh et. al. Neurosurgery 66(Operative Neurosurgery 1): on s24-25, 2010.

**Kaiser MG**. Comments – Occipital cervical stabilization using occipital condyles for cranial fixation: technical case report. Uribe et. al. Neurosurgery 65(6): E1217, 2009.

**Kaiser MG**. Comments – Transient focal spinal cord hyperemia after resection of spinal meningioma: case report. Ijiri et. al. Neurosurgery 64(6): E1199, 2009.

**Kaiser MG**. Comments – Subpial hemangiopericytoma with marked extramedullary growth: case report. Kashiwazaki et al. Neurosurgery 61(6): E1337, 2007.

**Kaiser MG**. Comments – Acute central cord syndrome arising from a cervical epidural abscess: case report. Trombly and Guest. Neurosurgery 61(2): E425, 2007.

**Kaiser MG**. Comments – Spinal cord herniation into associated pseudomeningocele after brachial plexus avulsion injury: case report. Yokota et al. Neurosurgery 60(1): E205, 2007.

**Kaiser MG**. Comments – Intramedullary endometriosis of the conus medullaris: case report. Agrawal et. al. Neurosurgery 59(2): E428, 2006.

**Kaiser MG**, McCormick PC. Comments - Minimally invasive, endoscopic, internal thoracoplasty for the treatment of scoliotic rib hump deformity: technical note. Mummaneni and Sasso. Neurosurgery 56(4): E444, 2005.

McCormick PC, **Kaiser MG**. Comments – Reliability of three-dimensional fluoroscopy for detecting pedicle screw violations in the thoracic and lumbar spine. Wang et. al. Neurosurgery 54(5):1142-1143, 2004.

McCormick PC, **Kaiser MG**. Comments – Stabilization of anterior cervical spine with bioabsorbable polymer in one- and two-level fusions. Park et. al. Neurosurgery 54(3): 635, 2004.

**Kaiser MG**, McCormick PC. Comments – Minimally invasive cervical expansile laminoplasty: an initial cadaveric study. Wang et. al. Neurosurgery 52(2): 373, 2003.

**Kaiser MG**, McCormick PC. Comments - Navigated transoral approach to the cranial base and craniocervical junction: technical note. Vougioukas et. al. Neurosurgery 52(1): 251, 2003.

**Kaiser MG**, McCormick PC. Comments – Atlantoaxial fixation using plate and screw method: a report of 160 treated patients. Goel et. al. Neurosurgery 51(6): 1357, 2002.

**Kaiser MG**, McCormick PC. Comments - Preliminary experience using a polyetheretherketone (PEEK) cage in the treatment of cervical disc disease. Cho et. al. Neurosurgery 51(6): 1350, 2002.

**Kaiser MG, McCormick PC.** Comments – Extradural thoracic arteriovenous malformation in a patient with Klippel-Trenauney-Weber Syndrome: case report. Alexander et. al. Neurosurgery 51(5): 1278, 2002.

**Kaiser MG, McCormick PC.** Comments – Early sacral stress fracture after reduction of spondylolisthesis and lumbosacral fixation: case report. Fournay et. al. Neurosurgery 51(6): 1510-1511, 2002

**Kaiser MG, McCormick PC.** Comments – Thoracoscopic techniques for the treatment of scoliosis: early results in procedure development. Picetti et. al. Neurosurgery 51(4): 984, 2002

**Kaiser MG, McCormick PC.** Comments – Spinal epidural abscess successfully treated with percutaneous, computed tomography-guided, needle aspiration and parenteral antibiotic therapy: case report and review of the literature. Lyu et. al. Neurosurgery 51(2): 512, 2002.

**Kaiser MG, McCormick PC.** Comments - Persistent iliac crest donor site pain: independent outcome assessment. Heary et. al. Neurosurgery 50(3): 517, 2002.

**Kaiser MG, McCormick PC.** Comments – Electrical bone graft stimulation for spinal fusion: a review. Oishi and Onesti. Neurosurgery 47(5): 1056, 2000.

#### CLINICAL COURSE DIRECTOR/MODERATOR:

**Kaiser MG, Dailey AT.** Cervical Spine Case Management: A case-based Approach to Treating Degenerative and Traumatic Cervical Pathology. Course Director. 68th Annual CNS Meeting. Boston, MA. October 7-11, 2017.

**Kaiser MG, Anderson R.** Cranio-cervical and C1C2 Stabilization Techniques, Surgical Approaches. Course Co-Director. 85<sup>th</sup> Annual AANS Meeting. Los Angeles, CA. April 22-26, 2017.

**Kaiser MG.** Cervical Degenerative Case Management. Course Director. 67th Annual CNS Meeting. San Diego, CA. September 24-28, 2016.

**Kaiser MG, Anderson R.** Cranio-cervical and C1C2 Stabilization Techniques, Surgical Approaches. Course Co-Director. 84<sup>th</sup> Annual AANS Meeting. Chicago, IL. April 30-May 4, 2016.

**Kaiser MG, Haid RW.** Cervical Spondylotic Myelopathy and Radiculopathy: Treatment Approaches and Options. Course Director. 64th Annual CNS Meeting. New Orleans, LA. September 26-30, 2015.

**Kaiser MG, Anderson R.** Cranio-cervical and C1C2 Stabilization Techniques, Surgical Approaches. Course Co-Director. 83<sup>rd</sup> Annual AANS Meeting. Washington DC. May 2-6, 2015.

**Kaiser MG.** “If I Could Do That Case Over Again: Discussion of Complications of Spine Surgery.” Course Moderator. 83<sup>rd</sup> Annual AANS Meeting. Washington DC. May 2-6, 2015.

**Kaiser MG, Haid RW.** Cervical Spondylotic Myelopathy and Radiculopathy: Treatment Approaches and Options. Course Director. 64th Annual CNS Meeting. Boston, MA. October 18-22, 2014.

**Kaiser MG.** “If I Could Do That Case Over Again: Discussion of Complications of Spine Surgery.” Course Moderator. 82<sup>nd</sup> Annual AANS Meeting. San Francisco, CA. April 5-9, 2014.

**Kaiser MG, Kalfas, IH.** Revision Spine Surgery – Luncheon Symposium. 30<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL. March 5-8, 2014.

**Kaiser MG, Haid RW.** Cervical Spondylotic Myelopathy and Radiculopathy: Treatment Approaches and Options. Course Director. 63<sup>rd</sup> Annual CNS Meeting. San Francisco, CA. October 19-23, 2013.

**Kaiser MG.** “If I Could Do That Case Over Again: Discussion of Complications of Spine Surgery.” Course Moderator. 81<sup>st</sup> Annual AANS Meeting. New Orleans, LA. April 27-May1, 2013.

**Kaiser MG.** Cervical Spondylotic Myelopathy and Radiculopathy: Treatment Approaches and Options. Course Director. 62<sup>nd</sup> Annual CNS Meeting. Chicago, IL. October 6-10, 2012.

**Kaiser MG, Resnick DK.** Update of Lumbar Spine Guidelines. 28<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL. March 7-10, 2012.

**Kaiser MG.** Cervical Spondylotic Myelopathy and Radiculopathy: Treatment Approaches and Options. Course Director. 61<sup>th</sup> Annual CNS Meeting. Washington, DC. October 1-6, 2011.

**Kaiser MG, Traynelis VC.** Cervical Spondylotic Myelopathy and Radiculopathy: Treatment Approaches and Options. Course Co-director. 60<sup>th</sup> Annual CNS Meeting. San Francisco, CA. October 16-21, 2010.

**Kaiser MG, Traynelis VC.** Cervical Spine Degenerative Disease. Course Co-director. 59<sup>th</sup> Annual CNS Meeting. New Orleans, LA. October 24-29, 2009.

**Kaiser MG.** Moderator - Complex Cervical Spine Management Symposium. 75<sup>th</sup> Annual AANS Meeting. Chicago, IL. April 29, 2008.

**Kaiser MG, Resnick DK.** Techniques and Technologies in Achieving Spinal Arthrodesis/Stabilization of the Cervical Spine. Course Co-director. 57<sup>th</sup> Annual CNS Meeting. San Diego, CA. September 15-20, 2007.

**Kaiser MG, Das K.** Basics of Spinal Stabilization, Fusion, and Instrumentation. Course Co-director. 75<sup>th</sup> Annual AANS Meeting. Washington, DC. April 14-19, 2007.

**Kaiser MG, Das K.** Basics of Spinal Stabilization, Fusion, and Instrumentation. Course Co-director. 74<sup>th</sup> Annual AANS Meeting. San Francisco, CA. April 22-27, 2006.

**Kaiser MG, Das K.** Basics of Spinal Stabilization, Fusion, and Instrumentation. Course Co-director. 73<sup>rd</sup> Annual AANS Meeting. New Orleans, LA. April 16-21, 2005.

**Kaiser MG, Holly L, Trost G.** Cervical Current Technology/Disc Focus Meeting. Sofamor-Danek. Memphis, TN. March 29-30-2005.

**Kaiser MG, Das K.** Basics of Spinal Stabilization, Fusion, and Instrumentation. Course Co-director. 72<sup>nd</sup> Annual AANS Meeting. Orlando, FL, May 1-6, 2004.

**Kaiser MG, Alexander J.** Lumbar Surgery: Old Techniques, New Technologies, “How are New Technological Advances Changing Traditional Spinal Surgery?” 20<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. San Diego, CA, March 17-20, 2004.

**Kaiser MG, Groff M.** Fundamentals of Spine Stabilization. 20<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. San Diego, CA, March 17-20, 2004.

**Kaiser MG, Groff M, Strayer A.** Interactive Cervical Spine Stabilization for Nurses/Physicians Assistants. 20<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. San Diego, CA, March 17-20, 2004.

**Kaiser MG, Das K.** Basics of Spinal Stabilization, Fusion, and Instrumentation. Course Co-director. 71<sup>st</sup> Annual AANS Meeting. San Diego, CA, April 26-May 1, 2003.

**Kaiser MG, Das K.** Basics of Spinal Stabilization, Fusion, and Instrumentation. Course Co-director. 70<sup>th</sup> Annual AANS Meeting. Chicago, IL, April 6-11, 2002.

**Kaiser MG**, White B. What's New? Session I. 18<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL, February 27-March 2, 2002.

**Kaiser MG**, Bilsky M, Meier P. Spine: Conflicts and Controversies. Clinical Neuroscience: Update for the New Millennium. New York, NY, November 30-December 1, 2001.

CLINICAL COURSE INSTRUCTOR/PRESENTER:

Lumbar Fusion Guidelines. Electrophysiological Monitoring and Lumbar Fusion. Annual CNS Meeting. Austin, TX. October 16-20, 2021.

Section on Disorders of the Spine and Peripheral Nerves: Didactics. Case – CSM Patient. Annual CNS Meeting. Austin, TX. October 16-20, 2021.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 87<sup>th</sup> Annual AANS Meeting. San Diego, CA. April 13-17, 2019.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 86<sup>th</sup> Annual AANS Meeting. New Orleans, LA. April 28-May 2, 2018.

Guidelines on Spine Update - 68<sup>th</sup> Annual CNS Meeting. Boston, MA. October 7-11, 2017.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 85<sup>th</sup> Annual AANS Meeting. Los Angeles, CA. April 22-26, 2017.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 84<sup>th</sup> Annual AANS Meeting. Chicago, IL. April 30-May 4, 2016.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 83<sup>rd</sup> Annual AANS Meeting. Washington DC. May 2-6, 2015.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 82<sup>nd</sup> Annual AANS Meeting. San Francisco, CA. April 5-9, 2014.

Using Evidence-Based Medicine to Manage Spinal Disorders – Practical Course. 63<sup>rd</sup> Annual CNS Meeting. San Francisco. October 19-23, 2013.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 81<sup>st</sup> Annual AANS Meeting. New Orleans, LA. April 27-May 1, 2013.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 80<sup>th</sup> Annual AANS Meeting. Miami, FL. April 14-18, 2012.

Update on Spine Trauma Management. 80<sup>th</sup> Annual AANS Meeting. Miami, FL. April 14-18, 2012.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 79<sup>th</sup> Annual AANS Meeting. Denver, CO. April 9-13, 2011.

AANS Fundamentals of Spinal Surgery for Residents. Spine Education and Research Institute, Burr Ridge, IL. November 8-10, 2012.

AANS Fundamentals of Spinal Surgery for Residents. Spine Education and Research Institute, Burr Ridge, IL. November 10-12, 2011.

Pseudoarthrosis of the Cervical and Lumbar Spine – Luncheon Seminar. 61<sup>th</sup> Annual CNS Meeting. Washington, DC. October 1-6, 2011.

Guidelines for Surgical Management of Cervical Spondylotic Myelopathy and OPLL – Luncheon Seminar. 61<sup>th</sup> Annual CNS Meeting. Washington, DC. October 1-6, 2011.

Update on Spine Trauma Management. “Guidelines Review and Update.” 79<sup>th</sup> Annual AANS Meeting. Denver, CO. April 9-13, 2011.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 79<sup>th</sup> Annual AANS Meeting. Denver, CO. April 9-13, 2011.

Scientific Session I – Evidence-Based Spine Surgery in the Real World. “How to Resolve Clinical Problems with Lack of Data.” 27<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Phoenix, AZ. March 9-12, 2011.

AANS Fundamentals of Spinal Surgery for Residents. Spine Education and Research Institute, Burr Ridge, IL. November 18-21, 2010.

Implementing and Utilizing the New Degenerative Cervical Spine Clinical Practice Guidelines in Everyday Practice. 60<sup>th</sup> Annual CNS Meeting. San Francisco, CA. October 16-21, 2010.

Pseudoarthrosis of the Cervical and Lumbar Spine – Luncheon Seminar. 60<sup>th</sup> Annual CNS Meeting. San Francisco, CA. October 16-21, 2010.

Cervical Spondylotic Myelopathy and OPLL: Guidelines for Surgical Management – Luncheon Seminar. 60<sup>th</sup> Annual CNS Meeting. San Francisco, CA. October 16-21, 2010.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 78<sup>th</sup> Annual AANS Meeting. Philadelphia, PA. May 1-5, 2010.

Oral Platform Presentations II – Discussant – “A Prospective Randomized Trial Comparing Expansile Cervical Laminoplasty vs. Cervical Laminectomy and Fusion for Multi-Level Cervical

Compressive Myelopathy.” 26<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL. February 17-20, 2010.

Oral Platform Presentations I – Discussant – “Rate of Return to Military Active Duty after Single Level Lumbar Interbody Fusion: A 5 Year Retrospective Review.” 26<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL. February 17-20, 2010.

Management of Adult Spinal Disorders: Current Controversies and Evidence Update. “Cervical Spondylotic Myelopathy: Natural History and Predictors of Outcome.” New York, NY. December 4, 2009.

AANS Fundamentals of Spinal Surgery for Residents. Spine Education and Research Institute, Burr Ridge, IL. November 17-20, 2009.

Pseudoarthrosis of the Cervical and Lumbar Spine – Luncheon Seminar. 59<sup>th</sup> Annual CNS Meeting. New Orleans, LA. October 24-29, 2009.

Cervical Spondylotic Myelopathy: Guidelines for Surgical Management – Luncheon Seminar. 59<sup>th</sup> Annual CNS Meeting. New Orleans, LA. October 24-29, 2009.

Basics of Spinal Stabilization, Fusion, and Instrumentation. 77<sup>th</sup> Annual AANS Meeting. San Diego, CA. May 2-6, 2009.

Thoracic and Lumbar Stabilization and Fusion: Indications and Complications. 77<sup>th</sup> Annual AANS Meeting. San Diego, CA. May 2-6, 2009.

Scientific Session II-Spine- Discussant – “Formation of painful seroma after the use of rhbmp-2 in posterolateral spine fusions.” 77<sup>th</sup> Annual AANS Meeting. San Diego, CA. May 2-6, 2009

Cervical Spondylotic Myelopathy – Breakfast Seminar. 76<sup>th</sup> Annual AANS Meeting. San Diego, CA. May 2-6, 2009.

Scientific Session II – Present appraisal: New Trials and their implications. 25<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Phoenix, AZ. March 11-14, 2009.

Lunch Symposium II – Critical review and analysis of the SPORT trials: implications for your practice. 25<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Phoenix, AZ. March 11-14, 2009.

AANS Fundamentals of Spine Surgery for Residents: MERI. Memphis, TN. November 6-9, 2008.

Symposium: applying evidence-based medicine into your practice. 23<sup>rd</sup> Annual North American Spine Society Meeting. Toronto, Canada. October 14-18, 2008.

Cervico-Thoracic Spine Neurosurgery: Meet the Experts – Breakfast Seminar. 76<sup>th</sup> Annual AANS Meeting. Chicago, IL. May 1, 2008.

Cervical Spondylotic Myelopathy – Breakfast Seminar. 76<sup>th</sup> Annual AANS Meeting. Chicago, IL. April 28, 2008.

Thoracic and Lumbar Stabilization and Fusion: Indications and Complications. 76<sup>th</sup> Annual AANS Meeting. Chicago, IL. April 27, 2008.

Basics of Spinal Stabilization, Fusion, and Instrumentation. 76<sup>th</sup> Annual AANS Meeting. Chicago, IL. April 26, 2008.

Spine on the Mountain - Innovation Meets Practice: An Interactive Forum. Vail, CO. February 21-23, 2008.

AANS Fundamentals of Spine Surgery for Residents: MERI. Memphis, TN. October 18-21, 2007.

Cervical Spondylotic Myelopathy: Guidelines for Surgical Management. Luncheon Seminar T19. 57<sup>th</sup> Annual CNS Meeting. San Diego, CA. September 15-20, 2007.

The CNS Neurosurgical Forum – Section on Disorders of the Spine and Peripheral Nerves. Abstract Discussant. 56<sup>th</sup> Annual CNS Meeting. Chicago, IL. October 7-12, 2006.

Cervical Spine Instability: Instrumentation and Other Methods of Management. 74<sup>th</sup> Annual AANS Meeting. San Francisco, CA. April 22-27, 2006.

Indications, Limitations and Complications of Transoral Approaches to the Spine. 74<sup>th</sup> Annual AANS Meeting. San Francisco, CA. April 22-27, 2006.

Thoracic and Lumbar Stabilization and Fusion: Indications and Complications. 74<sup>th</sup> Annual AANS Meeting. San Francisco, CA. April 22-27, 2006.

Thoracic and Lumbar Stabilization and Fusion: Indications and Complications. 73<sup>rd</sup> Annual AANS Meeting. New Orleans, LA. April 16-21, 2005.

Cervical Spine Instability: Instrumentation and Other Methods of Management. 73<sup>rd</sup> Annual AANS Meeting. New Orleans, LA. April 16-21, 2005.

Cervical HNP and Cervical Spondylosis. 2<sup>nd</sup> Annual International Course on Spinal Focus. New York, NY, December 3-4, 2004.



Mastering Spinal Disorders: Dealing with Complexities. 54<sup>th</sup> Annual CNS Meeting. San Francisco, CA, October 16-21, 2004.

Non-Absorbable Polymers: Overview and Cervical Spine Applications. Cervical Spine Study Group. Chicago, IL, May 21-22, 2004.

Treatment of Isthmic Spondylolisthesis. 20<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. San Diego, CA, March 17-20, 2004.

Anterior Thoracolumbar Stabilization. Columbia University Department of Nursing Neuroscience Lecture Series. New York Presbyterian Hospital. New York, NY, March 9, 2004.

Surgical Arthrodesis of the Cervical Spine. 53<sup>rd</sup> Annual CNS Meeting. Denver, CO, October 18-23, 2003

Comprehensive Review of Cervical and Lumbar Interbody Fusion. 19<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Tampa, FL, March 5-8, 2003.

Thoracic and Lumbar Stabilization and Fusion. 70<sup>th</sup> Annual AANS Meeting. Chicago, IL, April 6-11, 2002.

Special Course III: Fundamental Principles of Spine Surgery. 18<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL, February 27-March 2, 2002.

Lumbosacral Fusion: Cages, Dowels, and Pedicle Screws. 51<sup>st</sup> Annual CNS Meeting. San Diego, CA, September 29-October 4, 2001.

Craniocervical Instability. Clinical Neuroscience: Update for the New Millennium. New York, NY, November 30-December 1, 2001.

Thoracic-Lumbar Trauma. Clinical Neuroscience: Update for the New Millennium. New York, NY, November 30-December 1, 2001.

Comparison of Fusion Rates Following Anterior Cervical Discectomy with and without Plate Fixation. Spine + Science + Management Symposium. New Orleans, LA, November 17-18, 2000.

Intracerebral Cytosis Cures Gliomas in the Rat Model. Elsberg Lecture-The New York Society of Neurosurgery. New York, NY, 1998.

Tumor Sensitivity to Herpes Simplex-Thymidine Kinase/Gancyclovir (HSV-TK/GCV) Gene Therapy Correlates with TK Gene Expression. 47<sup>th</sup> Annual CNS Meeting. New Orleans, LA, September 27-October 2, 1997.

Coupling of Regional Cerebral Blood Flow to Neuronal Activity Involves Multiple Mediators. International Symposium and Allied Analytical Techniques. October, 1993.

#### MEETING ABSTRACTS:

Ghogawala Z, Shaffrey CI, Asher AL, Heary R, Dante S, Hurlburt J, Douglas AF, Magge SN, Mummaneni PV, Cheng JS, Smith JS, **Kaiser MG**, et al. The Efficacy of Lumbar Discectomy and Single Level Fusion for Spondylolisthesis: Neuropoint-SD Registry Initial Results. 80<sup>th</sup> Annual AANS Meeting. Miami, FL. April 14-18, 2012.

Ghogawala Z, Shaffrey CI, Asher AL, Malhotra NR, Dante S, Hurlburt J, Douglas AF, Magge SN, Mummaneni PV, Cheng JS, Smith JS, **Kaiser MG**, et al. The Design and Development of the Neuropoint SD Spine Registry for Lumbar Discectomy and Single Level Fusion for Spondylolisthesis.

Oral Platform Presentation. 28<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL. March 7-10, 2012.

Kaplan R, Malone HR, Medrano OF, McDowell MM, **Kaiser MG**. The Impact of Sagittal Balance on Clinical Outcome Following Decompressive Surgery for Cervical Spondylotic Myelopathy. Poster Abstract. 28<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Orlando, FL. March 7-10, 2012.

Wright NM, Kim KD, Cosgrove R, Tew JM, **Kaiser MG**, et. al. DuraSeal spinal sealant as an adjunct to sutured dural repair in the spine: results of a prospective, multicentered, randomized, controlled study. CNS Top Abstracts. Neurosurgery 65(2): 410, 2009.

Syed ON, Downes MS, Malone HR, D'Ambrosio AL, **Kaiser MG**. Semi-automated segmentation of cervical spine imaging data. 76<sup>th</sup> Annual AANS Meeting. San Diego, CA. May 2-6, 2009.

Syed ON, Downes MS, D'Ambrosio AL, Malone HR, **Kaiser MG**. Measurement of force while using a "gearshift" probe: implications for interactive simulation. 25<sup>th</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Phoenix, AZ. March 11-14, 2009.

Downes MS, D'Ambrosio AL, Malone HM, Mandigo CE, Syed ON, **Kaiser MG**. Technological design of an interactive surgical simulation for spine surgery. 23<sup>rd</sup> Annual North American Spine Society Meeting. Toronto, Canada. October 14-18, 2008.

Downes MS, Malone HR, Syed ON, Mandigo CE, D'Ambrosio AL, **Kaiser MG**. Interactive simulation of lumbar pedicle screw insertion. 58<sup>th</sup> Annual CNS Meeting. Orlando, FL. September 20-25, 2008.

Mandigo CE, D'Ambrosio AL, Imielinska C, Downes MS, Angevine PD, McCormick PC, **Kaiser, MG**. Finite element model of the cervical spine from C2 to C6. 23<sup>rd</sup> Annual AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Meeting. Phoenix, AZ. March 7-10, 2007.

Angevine PD, Isaacson M, Johnson E, **Kaiser, MG**, Kuo T. Quality of the reporting of neurosurgical randomized clinical trials (RCT's). 57<sup>th</sup> Annual CNS Meeting. San Diego, CA. September 15-20, 2007.

O'Toole JE, Olson TJ, **Kaiser MG**. Surgical management of dissociated motor loss following complex cervical spine reconstruction. 71<sup>st</sup> Annual AANS Meeting. San Diego, CA, April 26-May 1, 2003.

Olson TJ, O'Toole JE, **Kaiser MG**. Systemic sarcoidosis presenting as an intramedullary spinal cord mass: importance of diagnosis in management. 71<sup>st</sup> Annual AANS Meeting. San Diego, CA, April 26-May 1, 2003.

**Kaiser MG**, Haid RW, Subach BR, Barnes B, Rodts, GE. Anterior Cervical Plating Enhances Arthrodesis following Discectomy and Fusion with Cortical Allograft. 51<sup>st</sup> Annual CNS Meeting. San Diego, CA, September 29-October 4, 2001.

**Kaiser MG**, Parsa AT, Yoon JT, Blair G, Hall J, Bruce JN. Intracerebral Clysis Enhances the Distribution of Adenoviral Transfection in the Rat Brain. 48<sup>th</sup> Annual CNS Meeting. Seattle, WA, October 3-8, 1998.

Parsa AT, **Kaiser MG**, Yoon JT, Bruce JN. Gene therapy of human glioma can result in variable genetic expression. 48<sup>th</sup> Annual CNS Meeting. Seattle, WA, October 3-8, 1998.

Yoon JT, **Kaiser MG**, Parsa AT, Hall J, Chakrabarti I, Blair G, Bruce JN. Immunity to Glioma Following Cure with Topotecan. 48<sup>th</sup> Annual CNS Meeting. Seattle, WA, October 3-8, 1998.

**Kaiser MG**, Hall JS, Parsa AT, Yoon JT, Bruce JN. Convection-Enhanced Microinfusion of Topotecan Prolongs Survival in the Intracranial C6 Rat Tumor Model. 66<sup>th</sup> Annual AANS Meeting. Philadelphia, PA, April 25-30, 1998.

Parsa AT, Yoon JT, **Kaiser MG**, Blair G, Bruce JN. Viral Transfection of Brain Tumor Cells Modulates Biological Activity During Gene Therapy. 66<sup>th</sup> Annual AANS Meeting. Philadelphia, PA, April 25-30, 1998.

Parsa AT, **Kaiser MG**, Yoon JT, Hall JS, Chakrabarti IP, Miller JL, Bruce JN. The Effect of Gene Therapy on Major Histocompatibility Complex Gene Expression (MHC I/MHC II) in Human Glioma. 47<sup>th</sup> Annual CNS Meeting. New Orleans, LA, September 27- October 2, 1997.

Birch BD, **Kaiser MG**, McCormick PC. Surgical Management of Dumbbell Tumors of the Cervical Spine. 47<sup>th</sup> Annual CNS Meeting. New Orleans, LA, September 27- October 2, 1997.

**Kaiser MG**, During MJ. Nitric Oxide and Adenosine Mediate the NMDA Induced Increase in Hippocampal Blood Flow. 22<sup>nd</sup> Annual Society for Neuroscience Meeting. Anaheim, CA, November 2-7, 1992.

Fried, I, Leone, P, **Kaiser MG**, Puce, IA, Nobre, AC, Spencer, DD, McCarthy, G, During MJ. A Microdialysis Study of the Effects of Cognitive Processes on Norepinephrine Release in the Human Hippocampus. 22<sup>nd</sup> Annual Society for Neuroscience Meeting. Anaheim, CA, November 2-7, 1992.

#### DEPARTMENTAL GRAND ROUNDS:

**Kaiser MG**. Cervical Spondylotic Myelopathy. Department of Neurology Grand Rounds. The New York Neurological Institute. New York, NY. February 16, 2011.

**Kaiser MG**. Anterior Cervical Stabilization. Department of Neurological Surgery Grand Rounds. The New York Neurological Institute. New York, NY. February 26, 2004.

**Kaiser MG**. Lumbar Arthrodesis for Low Back Pain. Department of Neurological Surgery Grand Rounds. The New York Neurological Institute. New York, NY. January 3, 2002.

**Kaiser MG**. Advances in the Treatment of Low Back Pain. Department of Neurology Grand Rounds. The New York Neurological Institute. New York, NY. November 23, 2001.

**Kaiser MG**. Instability of the Craniocervical Junction. Department of Neurology Grand Rounds. The New York Neurological Institute. New York, NY. 1998.

**Kaiser MG**. Clysis Humans and Animals. Department of Neurology Grand Rounds. The New York Neurological Institute. New York, NY, June 25. 1998.

**Kaiser MG**. Discography: Diagnostic Intervertebral Disc Injection. Department of Neurological Surgery Grand Rounds. The New York Neurological Institute. New York, NY. July 10, 1997.

#### MEDICAL SCHOOL THESIS:

**Kaiser MG**. The Coupling of Regional Cerebral Blood Flow to Neuronal Activity is in Part Mediated by Nitric Oxide and Adenosine. Yale University School of Medicine. New Haven, CT, 1994.