

CURRICULUM VITAE

Wade M. Mueller MD

**Professor
Department of Neurosurgery**

OFFICE ADDRESS:

The Hub for Collaborative Medicine
8701 Watertown Plank Road
Milwaukee, WI 53226

EDUCATION:

1972 - Present BA - Philosophy and Literature, Valparaiso University, Valparaiso, IN
1983 - Present MD, University of Wisconsin, Madison, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/1983 - 06/1984 Residency Program, General Surgery, Medical College of Wisconsin, Milwaukee, WI
07/1984 - 06/1990 Residency Program, Neurological Surgery, Medical College of Wisconsin, Milwaukee, WI
07/1990 - 06/1992 Fellow, Department of Veterans Affairs Medical Center, Spinal Cord Injury Service, Milwaukee, WI
01/1991 - 06/1991 Epilepsy Surgery Fellowship, University of Washington, Seattle, WA

FACULTY APPOINTMENTS:

07/1990 - Present Assistant Professor, Department of Neurosurgery, Medical College of Wisconsin, Milwaukee, WI
07/1997 - Present Associate Professor, Department of Neurosurgery, Medical College of Wisconsin, Milwaukee, WI
07/2003 - Present Professor, Department of Neurosurgery, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

07/1990 - Present Attending Neurosurgeon, Department of Neurosurgery, Froedtert Memorial Lutheran Hospital, Milwaukee, WI
07/1990 - 1995 Attending Neurosurgeon, Department of Neurosurgery, Milwaukee County Medical Complex, Milwaukee, WI
07/1990 - 06/2003 Attending Neurosurgeon, Department of Neurosurgery, Department of Veterans Affairs Medical Center, Milwaukee, WI
1991 - Present Courtesy Medical Staff, Children's Hospital of Wisconsin, Milwaukee, WI
01/2002 - 12/2002 Associate, Medical Staff, St. Luke's Medical Center, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Neurological Surgery	05/1996	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Human Participants Protection Education for Research Teams	NIH	01/23/2004	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License	26007	05/1983	None

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1990 - Present Huntington's Disease Society of America-Wisconsin Chapter (Member)
1991 - Present Congress of Neurological Surgeons (CNS) (Member)
1991 - Present Epilepsy Foundation of America (Member)
1991 - Present Wisconsin Epilepsy Association (Member)
1992 - Present Wisconsin Neurosurgical Society (Secretary/Treasurer)
1992 - Present American Medical Association (Member)
1992 - Present American Association of Neurological Surgeons (Member)
1993 - Present Wisconsin Neurosurgical Society (Vice President)
1993 - Present Joint Section on Stereotactic and Functional Neurosurgery of the AANS/CNS (Member)
1993 - Present Milwaukee Neuro-Psychiatric Society (Member)
1993 - 2004 The Movement Disorder Society (Member)
1993 - Present American Epilepsy Society (Member)
1993 - Present Joint Section on Neurotrauma and Critical Care of the AANS/CNS (Member)
1993 - Present Joint Section on Disorders of the Spine and Peripheral Nerves of the AANS/CNS (Member)
1993 - Present American Spinal Injury Association (Member)
1994 - Present Wisconsin Neurosurgical Society (President)
1994 - Present Milwaukee Academy of Medicine (Member)
2002 - Present American Society for Stereotactic and Functional Neurosurgery (Member)

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

1991 - 1992 Member, Neurosciences Committee, Froedtert Memorial Lutheran Hospital
1992 Member, Physicians CQI Advisory Committee, Froedtert Memorial Lutheran Hospital
1992 Member, Utilization Management Committee, Froedtert Memorial Lutheran Hospital
1992 Secretary/Treasurer, Wisconsin Neurosurgical Society
1993 Vice President, Wisconsin Neurosurgical Society
1993 Member, Neurosurgical Subcommittee, Medical College of Wisconsin
1994 President, Wisconsin Neurosurgical Society
1994 Member, Internal Medicine Residency Curriculum Committee, Medical College of Wisconsin
1994 Member, Professional Practice Committee, Froedtert Memorial Lutheran Hospital
1994 Member, Radiation Therapy Oncology Group, Medical College of Wisconsin
1994 Member, Critical Care Design Team, Froedtert Memorial Lutheran Hospital
1994 Member, Clinical Resource Utilization Design Team, Froedtert Memorial Lutheran Hospital
1994 Member, Integrated Delivery System Task Force, Medical College of Wisconsin
1994 - 1995 Member, Cost-Effectiveness Sub-Committee, Froedtert Memorial Lutheran Hospital
1994 Member, Radiology Advisory Committee, Froedtert Memorial Lutheran Hospital
1994 Member, Neuro-Oncology Tumor Board, Medical College of Wisconsin
1996 Member, Adult Ambulatory Care Committee, Medical College of Wisconsin
01/1999 - 12/1999 Member, Editorial Board, Journal of Radiosurgery

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Translational Neuro-Oncology Research Program
Source:	Medical College of Wisconsin
Role & Effort:	Co-PI
Dates:	06/01/2008 - 05/31/2111
Direct Funds:	\$1,000,000

Prior

Peer Review

Title: A Phase III Evaluation of Postoperative Radiation in Low Grade Intracranial Astrocytomas and Oligodendrogliomas
Source: RTOG
Role & Effort: Co-PI
Dates: 01/1992 - Present

Title: A Phase III Study of Postoperative Radiotherapy for Single Brain Metastases
Source: RTOG
Role & Effort: Co-PI
Dates: 01/1992 - Present

Title: A Phase III Trial Comparing the Use of Radiosurgery Followed by Conventional Radiotherapy with BCNU to Conventional Radiotherapy with BCNU for Supratentorial Malignant Glioma
Source: RTOG
Role & Effort: CO
Dates: 08/1992 - Present

Title: Multicenter Study to Evaluate the Safety and Effectiveness of PEG-Superoxide Dismutase in Severe Closed Head Injury
Source: Sterling Winthrop
Role & Effort: Co-PI
Dates: 04/01/1993 - Present
Direct Funds: \$198,750

Title: Phase I/II Study of Small Field Stereotactic Fractionated External Beam Irradiation for the Treatment of Recurrent Primary Brain Tumors and CNS Metastases
Source: Medical College of Wisconsin
Role & Effort: Co-PI
PI: Christopher Schultz
Dates: 08/1993 - Present

Title: Validation of Functional Magnetic Resonance Imaging with Cortical Stimulation Mapping
Source: Medical College of Wisconsin
Role & Effort: Co-PI
PI: Victor M. Haughton
Dates: 02/1994 - Present

Title: Phase IB Study of Radiosurgery and Etanidazole (SR-2508) for the Treatment of Recurrent Primary Brain Tumors or CNS Metastases
Source: RTOG
Role & Effort: Co-PI
Dates: 12/1995 - Present

Title:	Open-Label, Multi-Center, Clinical Trial of Gliadel for Patients with Recurrent Malignant Glioma
Source:	Medical College of Wisconsin
Role & Effort:	Co-PI
PI:	Wade M. Mueller
Dates:	05/1996 - Present
Title:	A Phase II Trial of Weekly Paclitaxel and Conventional Radiotherapy for Supratentorial Glioblastoma Multiforme
Source:	RTOG
Role & Effort:	Co-PI
Dates:	08/1996 - Present
Title:	Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Pivotal Trial of Marimastat in Patients w/Glioblastoma Multiforme or Gliosarcoma Following Com. of Conventional First-Line Treatment
Source:	Medical College of Wisconsin
Role & Effort:	Co-PI
PI:	Hendrikus G. Krouwer
Dates:	09/1996 - Present

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

International

Practical Course on Thoracolumbar Instability, Congress of Neurological Surgeons Annual Meeting, British Columbia, Canada, 10/02/1993 - 10/07/1993

The Leksell Gamma Knife Training Course, Stockholm, Sweden, 09/13/1999 - 09/22/1999

RTOG Semi-Annual Meeting, Quebec, Canada, 06/22/2000 - 06/25/2000

Approaches and Stabilization Techniques for the Craniocervical Junction, American Association of Neurological Surgeons, Toronto, Ontario, Canada, 04/21/2001 - 04/22/2001

Advanced Training, Treatment of Functional Disorders with Leksell Gamma Knife, Marseilles, France, 05/28/2001 - 05/30/2001

11th International Meeting of the Leksell Gamma Knife Society, Prague, Czech Republic, 05/11/2002 - 05/19/2002

15th International Conference on Brain Tumor Research & Therapy, Sorrento, Italy, 05/24/2003 - 05/27/2003

Pediatric epilepsy surgery, Shenzhen Children's Hospital & Shenzhen Institute of Pediatrics, Shenzhen, China, 11/01/2008 - 11/10/2008

A Neurosurgeon's Perspective on fMRI & DTI, American Society of Neuroradiology 47th Annual Meeting, Vancouver, Canada, 05/16/2009 - 05/21/2009

National

Lateral extracavitary approach to thoracic spine, University of Pittsburgh Department of Neurosurgery Grand Rounds, Pittsburgh, PA, 10/1989 - Present

Practical Course on Thoracolumbar Stabilization, American Association of Neurological Surgeons Annual Meeting, Nashville, TN, 04/28/1990 - 04/29/1990

Practical Course on Thoracolumbar Instability, American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, 04/20/1991 - 04/21/1991

Instrumentation for thoracic and lumbar stabilization, Washington State Neurosurgical Society Meeting, Coeur d'Alene, ID, 04/1991 - Present

Lateral extracavitary approach to thoracic spine with instrumentation, University of Washington Department of Neurosurgery Grand Rounds, Seattle, WA, 06/1991 - Present

Lumbar Spine Segmental Stabilization Hands-On Course, American Association of Neurological Surgeons, Los Angeles, CA, 09/21/1991 - 09/22/1991

Lumbar Spine Segmental Stabilization Hands-On Course, American Association of Neurological Surgeons, Gainesville, FL, 12/14/1991 - 12/15/1991

Practical Course on Surgical Management of Thoraco-Lumbar Instability, American Association of Neurological Surgeons Annual Meeting, San Francisco, CA, 04/11/1992 - 04/12/1992

Lumbar Spine Stabilization Hands-On Course, American Association of Neurological Surgeons, Albuquerque, NM, 06/12/1992 - 06/14/1992

Lumbar Spine Stabilization Course, American Association of Neurological Surgeons, Los Angeles, CA, 07/31/1992 - 08/02/1992

Surgery of the Cervical Spine Course, American Association of Neurological Surgeons, Los Angeles, CA, 11/20/1992 - 11/22/1992

Resident Program Committee, Annual Meeting of the Congress of Neurological Surgeons, San Francisco, CA, 10/14/1995 - 10/19/1995

4th Annual Rachidian Society Meeting, Kona, HI, 02/18/1996 - 02/22/1996

5th Annual Rachidian Society Meeting, Kona, HI, 02/08/1997 - 02/15/1997

Practical Course on Craniocervical Junction Approaches and Treatment, American Association of Neurological Surgeons, Denver, CO, 04/12/1997 - 04/17/1997

Developmental Biomechanics of Pediatric Human Cervical Spine, Joint Section on Pediatric Neurological Surgery of AANS/CNS, New Orleans, LA, 12/04/1997 - 12/07/1997

Developmental Biomechanics of Pediatric Human Cervical Spine, 6th Annual Rachidian Society Meeting, Kona, HI, 03/01/1998 - 03/05/1998

Practical Course on Craniocervical Junction Approaches and Treatment, American Association of Neurological Surgeons, Philadelphia, PA, 04/25/1998 - 04/30/1998

Skeletal Versus Neural Responses in the Mechanism of Sciwora, Congress of Neurological Surgeons Annual Meeting, Seattle, WA, 10/03/1998 - 10/08/1998

Skeletal Versus Neural Responses in the Mechanism of Sciwora, Congress of Neurological Surgeons Annual Meeting, Seattle, WA, 10/03/1998 - 10/08/1998

7th Annual Rachidian Society Meeting, Kona, HI, 02/28/1999 - 03/04/1999

Functional MRI for Epilepsy Surgery, American Association of Neurological Surgeons, San Francisco, CA, 04/08/2000 - 04/13/2000

10th International Meeting of the Leksell Gamma Knife Society, Squaw Valley, CA, 04/14/2000 - 04/17/2000

Tremor Control Therapy Training, San Francisco, CA, 09/11/2000 - 09/12/2000

Moderator Luncheon Seminar, Case Management: Lumbar Spondylosis/ Spondylolisthesis, Congress of Neurological Surgeons 51st Annual Meeting, San Diego, CA, 09/29/2001 - 10/04/2001

Awake Craniotomies for Brain Tumors and Seizure Surgery and Surgical Management of Movement Disorders, Annual Clinical Assembly of Osteopathic Specialists, Lake Buena Vista, FL, 09/19/2002 - 09/21/2002

Controversies in the Management of Craniovertebral Junction Abnormalities, Congress of Neurological Surgeons 52nd Annual Meeting, Philadelphia, PA, 09/22/2002 - 09/24/2002

Case Management: Lumbar spondylolysis/spondylolisthesis, Congress of Neurological Surgeons 52nd Annual Meeting, Philadelphia, PA, 09/22/2002 - 09/24/2002

American Epilepsy Society Meeting, Seattle, WA, 12/08/2002 - 12/10/2002

Foramen ovale electrode surgery, San Diego, CA, 12/12/2002 - 12/17/2002

Epilepsy surgery outcome in 83 pediatric patients – the Children’s Hospital of Wisconsin Experience, AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Denver, Colorado, 11/28/2006 - 12/01/2006

DTI for Neurosurgeons: Cases and Concepts, 2010 International Brain Mapping and Intra-operative Surgical Planning Society (IBMISPS) Brain, Spinal Cord Mapping and Image Guided Therapy Conference, Bethesda, MD, 05/27/2010 - Present

Regional

Functional brain mapping for epilepsy and brain tumor surgery, Marinette Community Hospital, Marinette, MI, 01/1992 - Present

Surgery of the Cervical Spine Hands-On Course, American Association of Neurological Surgeons, Cincinnati, OH, 05/15/1992 - 05/17/1992

AANS Advanced Thoracic and Lumbar Spine Management Hands-On, Chicago, IL, 09/15/1995 - 09/17/1995

3rd F.L. Fischer User's Group Meeting, Chicago, IL, 11/10/1995 - 11/11/1995
Techniques of Successful Spine Fusion, 64th Annual Meeting of the American Association of Neurological Surgeons, Minneapolis, MN, 04/27/1996 - 05/02/1996
Microsurgical Technique for Epilepsy and Intrinsic Brain Tumors, St. Louis, MO, 02/08/1997 - 02/10/1997
Strategies for Activa Therapy Development-Updates & Roundtable Discussion, Movement Disorders Meeting, Chicago, IL, 11/10/2000 - 11/11/2000
Critical Issues in the Evaluation & Management of Children & Adults with Epilepsy, Chicago, IL, 06/07/2003 - Present
Gamma Knife Radiosurgery: Current Status and New Frontiers, Chicago, IL, 09/29/2006 - Present
Practical realities of functional MR imaging: does it matter?, 94th Scientific Assembly and Annual Meeting of the Radiological Society of North American, Chicago, IL, 12/01/2008 - Present
Wisconsin Skull Base Course, Madison, WI, 04/10/2010 - Present

Local

Practical Course in Spinal Instrumentation, Medical College of Wisconsin, Milwaukee, WI, 07/10/1989 - 07/15/1989
Practical Course in Spinal Instrumentation, Medical College of Wisconsin, Milwaukee, WI, 07/09/1990 - 07/14/1990
Practical Course in Spinal Instrumentation, Medical College of Wisconsin, Milwaukee, WI, 07/16/1990 - 07/21/1990
Practical Course in Spinal Instrumentation, Medical College of Wisconsin, Milwaukee, WI, 07/08/1991 - 07/13/1991
Functional brain mapping for epilepsy surgery, Milwaukee Neuropsychiatric Society, Milwaukee, WI, 09/1991 - Present
Cortical mapping for epilepsy surgery, Association of Surgical Technologists, Milwaukee, WI, 09/1991 - Present
Functional mapping for epilepsy and tumor resection, Wisconsin Neurosurgical Society Meeting, Racine, WI, 09/1991 - Present
Functional mapping for epilepsy and tumor surgery, Wisconsin Neurological Society Fall Scientific Meeting, Milwaukee, WI, 10/1991 - Present
Seizure monitoring and surgery, Wisconsin Epilepsy Association, Wisconsin Dells, WI, 11/1991 - Present
Functional brain mapping, Racine Kenosha Epilepsy Association, Racine, WI, 11/1991 - Present
Functional brain mapping for epilepsy and brain tumor surgery, St. Elizabeth Hospital, Appleton, WI, 12/1991 - Present
Functional brain mapping, Shawano Community Hospital, Shawano, WI, 01/1992 - Present
Functional brain mapping for epilepsy and tumor surgery, Saint Michael's Hospital, Stevens Point, WI, 02/1992 - Present
Functional brain mapping, Howard Young Medical Center, Woodruff, WI, 03/1992 - Present
Neurology panel discussion: comprehensive approaches to difficult epilepsies, Midwest Regional Epilepsy Conference, Madison, WI, 04/1992 - Present
Head injury. Trauma Nurse Specialist Course, Flight for Life, Milwaukee, WI, 04/1992 - Present
Functional brain mapping for epilepsy and tumor surgery, St. Mary's Hospital, Port Washington, WI, 05/1992 - Present
Functional brain mapping, Waukesha Memorial Hospital, Waukesha, WI, 05/1992 - Present
Functional brain mapping, St. Mary's Hospital, Rhinelander, WI, 06/1992 - Present
Practical Course in Spinal Instrumentation, Medical College of Wisconsin, Milwaukee, WI, 07/05/1992 - 07/11/1992
Functional brain mapping for epilepsy and brain tumor surgery, Marshfield Clinic, Marshfield, WI, 09/1992 - Present
What about epilepsy and surgery?, Epilepsy Seminar "All About Epilepsy", Cleveland, WI, 09/1992 - Present
Stereotactic radiosurgery, Association of Surgical Technologists, Milwaukee, WI, 09/1992 - Present
Innovations in radiation oncology, Tumors of the Central Nervous System, Milwaukee, WI, 09/1992 - Present
Functional brain mapping, Wisconsin Post Anesthesia Nurses, Brookfield, WI, 09/1992 - Present
Epilepsy and alternative methods of treatment, Beloit Memorial Hospital, Beloit, WI, 10/1992 - Present
Functional brain mapping, An Update in the Treatment of Seizure Disorders Symposium, Milwaukee, WI, 11/1992 - Present
Awake brain surgery with mapping of functions for treatment of epilepsy and brain tumors, The Association

of Operating Room Nurses, Southeastern Chapter, Milwaukee, WI, 12/1992 - Present
 Practical Course in Spinal Instrumentation, Medical College of Wisconsin, Milwaukee, WI, 06/20/1993 - 06/26/1993
 Functional brain mapping for epilepsy and brain tumor surgery, Trends in High Risk Pediatrics, Milwaukee, WI, 09/1993 - Present
 Functional magnetic resonance imaging in neurosurgery, First Midwest Clinical Conference on Functional MRI, Milwaukee, WI, 11/1993 - Present
 Approach to the acute neurologically injured patients, St. Mary's Hospital, Milwaukee, WI, 02/1994 - Present
 Neurosurgical instructor coordinator for O.R. personnel anatomy cadaver workshop, Medical College of Wisconsin, Milwaukee, WI, 07/1994 - Present
 Brain tumors, Curative Rehabilitation Services, Milwaukee, WI, 09/1994 - Present
 Evaluation of Surgical Candidates and Progress in Epilepsy Surgery, Advances in Epilepsy Seminar, Lake Geneva, WI, 08/1995 - Present
 The Surgical Treatment of Epilepsy, Epilepsy to the Year 2000, Door County, WI, 10/1995 - Present
 Wisconsin Neurosurgical Society Annual Meeting, Milwaukee, WI, 12/09/1995 - Present
 Neurological Surgery Grand Rounds, Madison, WI, 11/14/1997 - Present
 Moderator Practical Course, Craniocervical Junction: Approaches and Stabilization Techniques, American Association of Neurological Surgeons, Chicago, IL, 04/06/2002 - 04/08/2002
 Pediatric Brain Tumor Foundation, Ride for Kids, Middleton, WI, 08/03/2008 - Present
 Wisconsin Skull Base Course, University of Wisconsin, Madison and the Medical College of Wisconsin, Milwaukee, Madison, WI, 02/07/2009 - Present
 Pediatric Brain Tumor Foundation, Annual Ride for Kids, Middleton, WI, 08/02/2009 - Present
 Wisconsin Skull Base Course, Madison, WI, 05/14/2011 - Present

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Weinshel S, Maiman DJ, MUELLER WM: Dysphagia associated with cervical spondylosis: Pathological relationship? *J Spinal Disorders* 1(4):312-316, 1989.
2. Larson SJ, MUELLER WM: Segmental fixation of the spine with the L-rod system. Chapter in *Tumors of the Spine*, N Sundaresan, H Schmidek, A Schiller, D Rosenthal, eds, Grune & Stratton, Inc., New York, NY, 1990, pp 465-472.
3. MUELLER WM, Larson SJ: Complications of spinal instrumentation. Chapter in *Complications of Spinal Surgery*, Edward C. Tarlov, editor, American Association of Neurological Surgeons, Park Ridge, IL, 1991, pp. 15-22.
4. Silbergeld DL, MUELLER WM, Ojemann GA, Lettich E: The use of Propofol for awake craniotomies (Technical note). *Surg Neurology* 4:271-275, 1992.
5. MUELLER WM, Morris III GL: Intraoperative and extraoperative identification of eloquent brain using stimulation mapping. *Neurosurgery Clinics of North America* 4(2):217-222, 1993.
6. Lewis KS, MUELLER WM: Intrathecal baclofen for severe spasticity secondary to spinal cord injury. *The Annals of Pharmacotherapy* 27(6):767-774, 1993.
7. Rao SM, Binder JR, Bandettini PA, Hammeke TA, Yetkin FZ, Jesmanowicz A, Lisk L, Morris GL, MUELLER WM, Estkowski LD, Wong EC, Haughton VM, Hyde JS: Functional magnetic resonance imaging of complex human movements. *Neurology* 43:2311-2318, 1993.
8. Hammeke TA, Yetkin FZ, MUELLER WM, Morris GL, Haughton VM, Rao SM, Binder JR: Functional magnetic resonance imaging of somatosensory stimulation. *Neurosurgery* 35(4):677-681, 1994.
9. Morris GL III, MUELLER WM, Yetkin FZ, Haughton VM, Hammeke TA, Swanson S, Rao SM, Jesmanowicz A, Estkowski LD, Bandettini PA, Wong EC, Hyde JS: Functional magnetic resonance imaging in partial epilepsy. *Epilepsia* 35(6):1194-1198, 1994.
10. Yetkin FZ, MUELLER WM, Hammeke TA, Morris GL, Haughton VM: Functional magnetic resonance imaging mapping of the sensorimotor cortex with tactile stimulation. *Neurosurgery* 36(5):921-925, 1995.
11. Arnold PM, Baek PN, Stillerman CB, Rice SG, MUELLER WM: Surgical management of lumbar neuropathic spinal arthropathy (Charcot joint) after traumatic thoracic paraplegia: report of two cases. *J Spinal Disorders* 8(5):357-362, 1995.
12. Arnold PM, MUELLER WM: Management of lumbar fractures. Chapter in *The Principles of Spinal Surgery*,

- Arnold Menezes and Volker Sonntag, editors, McGraw-Hill, Inc., New York, NY pp 951-964, 1995.
13. Bernardi RJ, MUELLER WM: Thoracic fusion techniques using bone. *Ibid*, pp 1173-1183, 1995.
 14. Yetkin FZ, Hammeke TA, Swanson SJ, Morris GL, MUELLER WM, McAuliffe TL, Haughton VM: A comparison of functional MR activation patterns during silent and audible language tasks. *American Journal of Neuroradiology* 16(5):1087-1092, 1995.
 15. Yetkin FZ, Papke RA, Mark LT, Daniels DL, Haughton VM, MUELLER WM: Localization of the sensorimotor cortex: functional magnetic resonance imaging and parasagittal MR images compared. *American Journal of Neuroradiology* 16:2109-2113, Nov 1995.
 16. Binder JR, Swanson SJ, Hammeke TA, Morris GL, MUELLER WM, Fischer M, Benbadis S, Frost JA, Rao SM, Haughton VM: Determination of language dominance using functional MRI: a comparison with the Wada test. *Neurology* 46:978-984, 1996.
 17. MUELLER WM, Yetkin FZ, Hammeke TA, Morris GL III, Swanson SJ, Reichert K, Haughton VM: Functional magnetic resonance imaging mapping of the motor cortex in patients with cerebral tumors. *Neurosurgery* 39(3):515-521, 1996.
 18. Hammeke TA, Swanson SJ, Binder JR, Rao SM, Fischer M, Frost JA, Morris GL, MUELLER WM: Functional magnetic resonance imaging (fMRI) and epilepsy. *Journal of the International Neuropsychological Society*, 3:10, 1997.
 19. Springer JA, Binder JR, Hammeke TA, Swanson S, Frost JA, Bellgowan PS, Morris GL, MUELLER WM: Distributions of language lateralization in normal controls and epilepsy patients using functional magnetic resonance imaging. *Journal of the International Neuropsychological Society*, 3:10, 1997.
 20. MUELLER WM, Yetkin FZ, Haughton VM: Functional magnetic resonance imaging of the somatosensory cortex. *Neurosurgery Clinics of North America* 8(3):373-381, 1997.
 21. Ulmer JL, Mathews VP, Elster AD, Mark LP, Daniels DL, MUELLER WM: MR Imaging of Lumbar Spondylolysis: The Importance of Ancillary Observations. *American Journal of Roentgenology* 169:233-239, 1997.
 22. Rand S, Prost R, Haughton V, Mark L, Strainer J, Johansen J, Kim T, MUELLER WM, Meyer G, Krouwer H: Diagnostic Accuracy of Single Voxel Proton MRS at 0.5T in Neoplastic vs Non-neoplastic Brain Lesions. *American Journal of Neuroradiology* 18:1695-704, 1997.
 23. Yetkin FZ, MUELLER WM, Morris GL, McAuliffe TL, Ulmer JL, Cox RW, Daniel DL, Haughton VM: Functional MR Activation Correlation with Intraoperative Cortical Mapping *Amer Jour Neurorad* 18:1311-1315, 1997.
 24. Bellgowan PSF, Binder JR, Swanson SJ, Hammeke TA, Springer JA, Frost JA, MUELLER WM, Morris GL: Side of Seizure Focus Predicts Left Medial Temporal Lobe Activation During Verbal Encoding. *Neurology* 51:479-484, 1998.
 25. Yetkin FZ, Ulmer JL, MUELLER WM, Klosek MM, Haughton VM: Functional Magnetic Resonance Imaging Assessment of the Risk of Postoperative Hemiparesis after Excision of Cerebral Tumors. *International Journal of Neuroradiology* 4(4):253-257, 1998.
 26. Yetkin FZ, Swanson S, Fischer M, Akansel G, Morris G, MUELLER WM, Haughton V. Functional MR of Frontal Lobe Activation: Comparison with WADA Language Results. *American Journal of Neuroradiology* 19:1095-1098, 1998.
 27. Sebring LA, Gallagher M, MUELLER WM: Management of the obese patient. Chapter in *Spine Surgery: Techniques, Complication Avoidance & Management*, Edward C. Benzel, editor, Churchill Livingstone, New York, NY, October 1998.
 28. Kumaresan S, Yoganandan N, Pintar FA, MUELLER W: One-, three- and six-year-old pediatric cervical spine finite element models: In *Frontiers in Head and Neck Trauma: Clinical and Biomechanical*. N Yoganandan, FA Pintar, SJ Larson, A Sances Jr. (eds). IOS Press, The Netherlands, pp 509-523, 1998.
 29. Springer JA, Binder JR, Hammeke TA, Swanson SJ, Frost JA, Bellgowan PSF, Brewer CC, Perry HM, Morris GL, MUELLER WM: Language Dominance in Neurologically Normal and Epilepsy Subjects: A Functional MRI Study. *Brain*, 122:2033-2045, 1999.
 30. Morris GL, MUELLER WM: Long-Term Treatment with Vagus Nerve Stimulation in Patients with Refractory Epilepsy. *Neurology*, 53(8):1731-1735, November 1999.
 31. Przybylski GJ, MUELLER WM: The obese patient. Chapter in *The Thoracic Spine*, Edward C. Benzel and Charles Stillerman, editors, Quality Medical Publishing, Inc., St. Louis, MO, 31: 447-456, 1999.
 32. Hammeke RA, Binder JR, Swanson SJ, Frost JA, Morris GL, Fischer M, Rao SM, MUELLER WM, Benbadis S: Predicting fMRI Language Lateralization in Epilepsy with Psychometric Variables. *Neurology*, accepted 1999.
 33. Reynolds NC Jr, Terry L C, Mark LP, Prieto TE, MUELLER WM: Too many treatments for Parkinson's

- disease: How should they be used? *Wisconsin Medical Journal*, 99(3):57-61, June 2000.
34. Kumaresan S, Yoganandan N, Pintar FA, MUELLER WM: Biomechanics of Pediatric Cervical Spine: Compression, Flexion and Extension Responses. *J Crash Prevention and Injury Control*, 2(2):87-101, 2000.
 35. Butzen J, Prost R, Chetty V, Donahue K, Nepl R, Bowen W, Shi-Jiang L, Haughton V, Mark L, Kim T, MUELLER W, Meyer G, Krouwer H, Rand S: Discrimination Between Neoplastic and Non-Neoplastic Brain Lesions by Use of Proton MR Spectroscopy: The Limits of Accuracy with a Logistic Regression Model. *American Journal of Neuroradiology*, 21(7):1213-1219, 2000.
 36. Mark LP, MUELLER WM, Reynolds NC, Prieto TE, Ulmer JL, Daniels DL, Smith MM, Blindauer KA: Pallidotomy for Treatment of Parkinson's Disease: Overview and a Neuroradiologist's Perspective. Scientific exhibit at the 38th Annual Meeting of the American Society of Neuroradiology, Atlanta, GA, April 2000.
 37. Kasim-Karakas SE, Almario RU, MUELLER WM, Peerson J: Changes in plasma lipoproteins during low-fat, high-carbohydrate diets: effects of energy intake. *American Journal of Clinical Nutrition*. 71(6):1439-1447, June 2000.
 38. Sabsevitz DS, Swanson SJ, Morris GL, MUELLER WM, Seidenberg M: Memory Outcome after Left Anterior Temporal Lobectomy in Patients with Expected and Reversed Wada Memory Asymmetry Scores. *Epilepsia*, 42(11):1408-1415, 2001.
 39. Alsaadi T, Morris GL, MUELLER W: Prognostic Value of the Consistency of Lateralizing Ictal Features and Ictal EEG in Patients Undergoing Temporal Lobectomy for Refractory Complex Partial Seizures. *Clinical EEG*, 32(2):87-91, 2001.
 40. Alsaadi T, Ulmer JL, Mitchell MJ, Morris GL, Swanson S, MUELLER W: MR Analysis of Post-surgical Temporal Lobectomies. *Journal of Neuroimaging*, 11(3):243-247, July 2001.
 41. Nepl R, Nguyen CM, Bowen W, Al-Saadi T, Pallagi J, Morris G, MUELLER W, Johnson R, Prost R, Rand SD: In Vivo Detection of Postictal Perturbations of Cerebral Metabolism by Use of Proton MRI Spectroscopy: Preliminary Results in a Canine Model of Prolonged Generalized Seizures. *AM J Neuroradiol*. Volume 22:1933-1943, November/December 2001.
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