

Curriculum Vitae and Bibliography

Fredric B Meyer, M.D.

Personal Information

Place of Birth: Springfield, MA
Citizenship: United States of America
Work Address: Mayo Clinic Rochester
200 First St SW
Rochester, MN 55905-0001
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Present Academic Rank and Position

Consultant - Department of Neurologic Surgery, Mayo Clinic, Rochester, Minnesota 11/01/1987 - Present
Professor of Neurosurgery - Mayo Clinic College of Medicine and Science 07/01/1997 - Present
Teaching/Examining Privileges in Neuroscience - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science 07/07/1999 - Present
Master's Faculty Privileges in Clinical & Translational Science - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science 06/11/2007 - Present
Enterprise Chair - Department of Neurologic Surgery, Mayo Clinic, Rochester, Minnesota 04/30/2014 - Present
Dean - Mayo Clinic Alix School of Medicine, Rochester, Minnesota 07/01/2016 - Present
Juanita Kious Waugh Executive Dean for Education - Mayo Clinic College of Medicine and Science, Department of Education Administration, Rochester, Minnesota 07/01/2016 - Present

Education

Deerfield Academy 1969 - 1973
University of Pennsylvania - BA, Biology 1973 - 1977
Boston University - MD 1977 - 1981
Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine, General Surgery 1981 - 1982
Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine, Neurologic Surgery 1982 - 1987
Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine, Cerebrovascular Research 1985 - 1986
Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine, Elsberg Fellow 1987 - 1988

Certification

Board Certifications

American Board of Neurological Surgery (ABNS)

Neurological Surgery - 90087 1990 - Present

National Board of Medical Examiners (NBME)

Diplomate 1982 - Present

Other Certifications

Mayo Clinic Quality Academy

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Mayo Clinic Quality Fellow: Bronze Level Certification 2020

Licensure

Minnesota	026994 8 (Medical)	1982 - Present
Arizona	17375 (Medical)	1987 - Present
Florida	61348 (Medical)	1992 - Present

Honors and Awards

Graduated with Honors - University of Pennsylvania	01/1977
Resident Award - Congress of Neurological Surgeons	01/1984
Menninger Award, Honorable Mention - Awarding Organization	01/1985
Charles Elsberg Award - New York Academy of Medicine	01/1987
Faculty Research Award - American Association of Neurological Surgeons	1989
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	1989
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	1993
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	1994
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	1998
Distinguished Alumnus Award - Boston University, Boston, Massachusetts	2000
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	2002
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	2003
Teacher of the Year Hall of Fame - Department of Neurologic Surgery, Mayo Clinic	2003
Teacher of the Year Award - Department of Neurologic Surgery, Mayo Clinic	2005
Teacher of the Year Award in Neurologic Surgery - Mayo Fellows Association, Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine	2006
Alfred Uihlein Family Professorship in Neurologic Surgery - Mayo Clinic, Rochester, Minnesota	05/2006 - Present
Teacher of the Year Award in Neurologic Surgery - Mayo Clinic College of Medicine and Science	2007
Teacher of the Year Award in Neurologic Surgery - Mayo Clinic College of Medicine and Science	2009
Teacher of the Year Award in Neurologic Surgery - Mayo Clinic College of Medicine and Science	2010
Teacher of the Year Award in Neurologic Surgery - Mayo Clinic College of Medicine and Science	2011
Mayo Foundation Distinguished Educator Award - Mayo Clinic, Rochester, Minnesota	2011
Drake Lecture - Congress of Neurological Surgeons, Washington, DC	2011
Teacher of the Year Award in Neurologic Surgery - Mayo Clinic College of Medicine and Science	2013
Teacher of the Year Award for the Department of Neurosurgery - Mayo Clinic College of Medicine and Science, Rochester, Minnesota	2014

Previous Professional Positions and Major Appointments

Instructor of Neurosurgery - Mayo Clinic College of Medicine and Science	04/01/1988 - 07/01/1991
Associate Faculty Privileges of Neuroscience - Mayo Clinic Graduate School of	01/30/1991 - 07/06/1999

Biomedical Sciences, Mayo Clinic College of Medicine and Science	
Assistant Professor of Neurosurgery - Mayo Clinic College of Medicine and Science	07/01/1991 - 07/01/1993
Associate Professor of Neurosurgery - Mayo Clinic College of Medicine and Science	07/01/1993 - 07/01/1997
Master's Faculty Privileges of Clinical Research - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science	03/24/2004 - 06/10/2007
Program Director - Neurologic Surgery Program, Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine and Science, Rochester, Minnesota	07/01/2004 - 06/30/2010
Chair - Department of Neurologic Surgery, Mayo Clinic, Rochester, Minnesota	07/01/2004 - 01/07/2015

Professional Memberships and Societies

Professional Memberships and Services

American Academy of Neurological Surgery	
Member	01/1995 - Present
President-Elect	10/2012 - 09/2013
President	09/2013 - 09/2014
Membership Chair	10/2015 - 09/2016
Academy Award Committee	
Member	09/2005 - 09/2008
Scientific Program Committee	
Member	10/2002 - 09/09/2005
Chair	10/2004 - 09/2005
American Association of Neurological Surgeons	
Member	01/1991 - Present
Joint Section Cerebrovascular	
Member	1992 - Present
Medical Student Summer Research Fellowship Review Committee	
Member	01/2008
Neurosurgery Research and Education Foundation	
Board of Directors	2015 - 2016
Neurosurgery Research and Education Foundation Development Committee	
Member	09/2000
Scientific Committee	
Member	2000 - 2003
American Board of Medical Specialties	
Voting Representative	06/2011 - 05/2015
American Board of Neurological Surgery	
Member	01/1990 - Present
Guest Examiner	01/1997 - 12/1997
Guest Examiner	11/2005
Executive Director	06/2015 - Present
Board of Directors	
Member	09/2009 - 09/2015
Secretary	05/2011 - 05/2014
Chair	05/2014 - 05/2015
Credentials Committee	

Member	11/2009 - 05/2012
Finance Committee	
Member	11/2009 - 05/2012
American College of Surgeons	
Faculty	01/1999 - 12/1999
Member	01/1999 - 2010
American Council for Graduate Medical Education	
Member	2011 - 2015
Neurological Surgery Milestone Project Advisory Group	
Advisory Group Member	07/2011 - 12/2014
American Epilepsy Society	
Member	01/2003 - Present
American Heart Association	
Member	1989 - 2010
Stroke Council	
Member	1989 - 2010
American Medical Association	
Member	01/1988 - 2011
Congress of Neurological Surgeons	
Member	01/1990 - Present
Nominating Committee Member	11/01/2019 - 04/30/2021
Information and Technology Committee	
Member	2014 - 2016
Joint Section Cerebrovascular	
Member	1992 - Present
Public Relations Committee	
Member	01/1990 - 12/1990
Residents Registration Committee	
Chair	01/1992 - 12/1992
Scientific Committee	
Member	01/1990 - 12/1990
International Society of Cerebral Blood Flow and Metabolism	
Member	1991 - 2010
Minnesota Medical Association	
Member	01/1988 - Present
Zumbro Valley Medical Society	
Member	01/1988 - Present
Minnesota State Neurosurgical Society	
Member	01/1989 - Present
President	01/1999 - 12/1999
National Institutes of Health	
National Institute of Neurological Disorders and Stroke	
Ad Hoc Member	
Member	01/1995 - Present
Study Section Reviewer	2000 - 2004
North Central Cancer Treatment Group	
Member	01/1996 - Present

Sigma Xi, The Scientific Research Society	
Member	01/1994 - Present
Electoral Committee	
Member	01/1994 - 01/1997
Membership Committee	
Member	01/1996 - 12/1996
The Society of Neurological Surgeons	
Active Member	05/2005 - Present
Curriculum Committee	
Member	06/2010 - 05/2015
Nominating Advisory Committee	
Member	05/2008 - 05/2011
Chair	05/2010 - 05/2011
The Wellcome Trust	
Member	1989 - 2004
Reviewer	1991 - 2004
Veterans Administration Grant Reviews	
Member	1990 - 2004
Reviewer	1992 - 2004

Journal Responsibilities

Journal Editorial Responsibilities

Journal of Neurosurgery	
Book Review Editor	1992 - 1994
Editorial Board Member	2002 - 2008
Mayo Clinic Neurosciences Update	
Editorial Board Member	2004
Neurosurgical Review	
Editorial Board Member	2000 - 2006

Journal Other Responsibilities

American Journal of Physiology	
Reviewer	1990 - 2008
Annals of Neurology	
Reviewer	1990 - 2008
Brain Research	
Reviewer	1990 - 2004
Brain Research Bulletin	
Ad Hoc Referee	1991 - 2004
Epilepsia	
Ad Hoc Referee	1989 - 2004
Journal of Neurosurgery	
Reviewer	1992 - 2006
Editorial Board	
Chair	2010
Mayo Clinic Neurosciences Update	
Reviewer	2004
Mayo Clinic Proceedings	

Reviewer	1989 - Present
Ad Hoc Referee	1989 - 2016
Neurosurgery	
Reviewer	1990 - 2006
Neurosurgical Review	
Reviewer	1992 - 2006
Southern Medical Journal	
Reviewer	1991 - 2004
Ad Hoc Referee	1991 - 2004
Stroke	
Reviewer	1989 - 2006
Ad Hoc Referee	1989 - 2006
Surgical Neurology	
Reviewer	1990 - 2006

Education Interests and Accomplishments

Teaching

Carotid Endarterectomy for Asymptomatic and Symptomatic Carotid Disease Horizons in Mayo Neurology & Neurosurgery: Perspectives on 100 Years and Future Trends Rochester, Minnesota	05/05/2006
Pituitary Tumor Management 13th Mayo Clinic Endocrine Course Rochester, Minnesota	07/2010
Multiple Endocrine Neoplasia Course Mayo Clinic	07/2013
Using Neuroregenerative Medicine in the Future of Neurosurgery Student National Medical Association Meeting Rochester, Minnesota	09/2013

Academy of Educational Excellence

Excellence in Education Administration and Leadership at the Legacy level on this date June 2018

Academic Career Development

Mayo Chairs Leadership Practices Program 2005 Mayo Clinic Chaska, Minnesota	04/2005
Mayo Quality Leadership Program - CALD II Career and Leadership Development Mayo Clinic Rochester, Minnesota	05/2007
Mayo Quality Leadership Program - CALD III Career and Leadership Development Mayo Clinic Chaska, Minnesota	06/2007
PDI - Personal Decision International Leadership course Mayo Clinic Minneapolis, Minnesota	11/06/2010

Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities

Mayo Clinic

Mayo Clinic Center for Regenerative Medicine Neuroregenerative Medicine & Surgery Program Director	2012 - Present
Mayo Clinic Committees Mayo Clinic Research Committee Neurosciences Theme Executive Committee Member	2004
Representative	2004
Mayo Clinic Task Forces/Work Groups Research Strategic Planning Group Task Force. "Attract, Develop, and Retain the Best People" Member	2007 - 2012
Mayo Clinic in Rochester	
Department of Neurologic Surgery Neurologic Surgical Research Laboratory Thoralf M. Sundt, Jr. Neurosurgical Research Laboratory Member	1985 - 1992
Director	1993 - 2004
Research Committee Member	1993 - 2004
Gonda Vascular Center Gonda Vascular Center Committee Member	1997 - 2003
Mayo Clinic Rochester Committees Mayo Clinic Research Committee Research Finance Subcommittee - Rochester Member	2007 - 2012
Mayo Clinic Rochester - Executive Board Administrative Committee of the Executive Board Member	2006
Mayo Clinic Rochester Surgical Committee Member	2004 - 2015
Officers & Councilors of Staff - Rochester Councilor	2002 - 2004
Member	2002 - 2004
Nominating Committee Chair	2004
Selection Committee for the Distinguished Mayo Administrator Award Chair	2004
Trauma Committee Member	2007 - 2015

Presentations Extramural**National or International**

Invited

Carotid Endarterectomy at the Mayo Clinic 55th Annual Meeting of the Japan Neurosurgical Society Toyama, Japan	1996
Cervical Carotid Exposure and Surgery: Cadaver Hands-on Session The 6th International Congress on Cerebral Revascularization St. Louis, Missouri	01/13/2006
Clip Reconstruction of Coiled Aneurysm The 6th International Congress on Cerebral Revascularization St. Louis, Missouri	01/14/2006
Complications in EC-IC Bypass: Panel Discussion The 6th Annual International Congress on Cerebral Revascularization St. Louis, Missouri	01/14/2006
Carotid Endarterectomy 2010 Annual Bouldrey Lecture San Francisco Neurological Society 62nd Annual Meeting Sonoma, California	02/2010
Clipping vs Coiling of Intracranial Aneurysms Case Discussion/Panel Debate Latest Advances in Ischemic and Hemorrhagic Stroke Therapy Baylor University Medical Center Dallas, Texas	05/2010
Direct and Indirect Surgical Cerebral Revascularization - Techniques and Indications Latest Advances in Ischemic and Hemorrhagic Stroke Therapy Baylor University Medical Center Dallas, Texas	05/2010
Drake Lecture: A History of Neurovascular Surgery and its Implications on the Future of Neurosurgery Education 61st Congress of Neurological Surgeons Annual Meeting Washington, District of Columbia	10/2011
A History of Neurovascular Surgery and Its Implications Towards Neurosurgery Evaluation Kasdon Lecturer: Lende Neurosurgery Conference Snowbird, Utah	02/2012
Retrospection Kasdon Lecturer: Lende Neurosurgery Conference Snowbird, Utah	02/2012
Neurosurgical Perspectives on Epilepsy Surgery 2013 Mayfield Neuroscience Symposium Cincinnati, Ohio	05/2013
A History of Cerebrovascular Surgery: Implications for the Future of Neurosurgical Education Mayfield Lecturer 2013 Mayfield Neuroscience Symposium Cincinnati, Ohio	05/2013 - 06/2013
Guest Speaker Yale University Annual Neurosurgery Resident Research Symposium New Haven, Connecticut	06/2013
Twelve Rules of Neurosurgery First Annual Patrick J. Kelly Lecture New York University New York, New York	09/2013
Carotid Stenting - The Gold Standard Texas Association of Neurological Surgeons Galveston, Texas	02/2015

Triple Threat - A Discussion of Professionalism Texas Association of Neurological Surgeons Galveston, Texas	02/2015
Richard C. Schneider Lecture American Association of Neurological Surgeons Washington, District of Columbia	05/2015
CAST Fellowships: Implications for Critical Care, Endovascular, Pediatric, and Spine Counterpoint: CAST Fellowships The Society of Neurological Surgeons Annual Meeting	06/06/2016
Extracranial Carotid Surgery for Tumors and Vascular Lesions The Spetzler Symposium - A Scientific Tribute and Global Celebration	04/20/2017 - 04/21/2017
History of Education at Mayo Clinic Pruitt Lecture Mayo Clinic Alumni Association 70th Meeting	10/06/2017
Balance Osler Lecture - Young Neurosurgeons Research Forum American Association of Neurological Surgeons	04/29/2018
Professionalism and Threats to Neurological Surgery Robert Goodkin, MD Endowed Lectureship University of Washington Department of Neurological Surgery	06/12/2018 - 06/13/2018
Mayo Clinic's Data Driven Talent Approach to Leadership Development Ignite Session for Audacious Ideas Category Association of American Medical Colleges	03/23/2019 - 03/24/2019
Leadership and Mentorship: Two Faces of the Same Coin Innovation/Mastery/Legacy Session The Evandro de Oliveira Symposium	04/12/2019
Burnout The Society of Neurological Surgeons Annual Meeting	05/19/2019
Plenary Session Panelist Covid Impact on Biomedical Education American Association of Neurological Surgeons Annual Meeting Virtual Meeting due to COVID pandemic	08/22/2021
Oral	
Emergency Middle Cerebral Artery Embolectomy Congress of Neurological Surgeons New York, New York	1984
Effects of Nimodipine on Intracellular Brain pH, CBF, and EEG in Severe Focal Cerebral Ischemia Rockefeller University New York, New York	1985
Emergency Carotid Endarterectomy for Acute Stroke Congress of Neurological Surgeons Hawaii	1985
Anticonvulsant Effects of Dihydropyridine Calcium Antagonists American Epilepsy Society Maryland	1987
Anticonvulsant Properties of Dihydropyridine Calcium Antagonists International Conference on Calcium In Neurology Spain	1987
Calcium Channel Agonists, Antagonists, and Behavior Winter Conference on Brain Research Vail, Colorado	1987

Calcium Channel Blockers - A New Class of Anticonvulsants American Association of Neurological Surgeons Dallas, Texas	1987
Secondary Vasospasm and Brain pH During Focal Ischemia New York Academy of Science New York, New York	1987
A novel dihydropyridine calcium antagonists improves CBF and brain pHi in focal cerebral ischemia Congress of Neurological Surgeons Seattle, Washington	1988
Anticonvulsant Properties of Dihydropyridine Calcium Antagonists International Symposium on Calcium and Ischemia Chiemisee, Germany	1988
Calcium, Seizures, and Ischemia Research Society of Neurological Surgeons United States of America	1988
Nimodipine as an Anticonvulsant in Experimental Seizures Bayer International Symposium Stresa, Italy	1988
Calcium and neuronal excitability Winter Conference on Brain Research Snowbird, Utah	1989
The effects of a novel dihydropyridine calcium antagonist on CBF, brain pHi, and EEG International Symposium on CBF and Metabolism Bologna, Italy	1989
Calcium antagonists and brain pH European Pharmacological Society Scheveningen, Netherlands	1990
Cerebral Protection American Association of Neurological Surgeons Nashville, Tennessee	1990
Cerebral Protection Congress of Neurological Surgeons Los Angeles, California	1990
HBGF-2 promotes cerebral angiogenesis in the Wistar rat Congress of Neurological Surgeons Los Angeles, California	1990
MCA Embolectomy Tenth Symposium on Microvascular Surgery San Francisco, California	1990
Basic fibroblast growth factor promotes in vivo cerebral angiogenesis in chronic forebrain ischemia American Association of Neurological Surgeons New Orleans, Louisiana	1991
Calcium antagonists and subarachnoid hemorrhage International Conference on Calcium and Metabolism Houston, Texas	1991
Carotid endarterectomy in the elderly patient American Association of Neurological Surgeons New Orleans, Louisiana	1991
Cavernous hemangiomas of the dural sinuses International Skull Base Meeting	1992

Hanover, Germany	
Intraoperative brain protection Congress of Neurological Surgeons United States of America	1992
Perils of the ischemic penumbra Winter Conference on Brain Research Vancouver, British Columbia, Canada	1992
Posterior sinus dural AVMs International Skull Base Meeting Hanover, Germany	1992
Saphenous vein bypass graft in skull base surgery International Skull Base Meeting Hanover, Germany	1992
Brain pHi, acidic foci, and the ischemic penumbra American Academy of Neurological Surgeons Phoenix, Arizona	1993
Carotid Endarterectomy International Federation of Neurosurgery	1993
Extracranial vascular lesions American Association of Neurological Surgeons Boston, Massachusetts	1993
Intraoperative brain protection American Association of Neurological Surgeons Boston, Massachusetts	1993
Intracranial dural arteriovenous malformations American Association of Neurological Surgeons San Diego, California	1994
Blockade of Nitric Oxide Synthase by L-NAME Attenuates Brain Acidosis during Repetitive Focal Cerebral Ischemia 4th International Workshop on Cerebrovascular Surgery Chicago, Illinois	1995
Carotid Endarterectomy 4th International Workshop on Cerebrovascular Surgery Chicago, Illinois	1995
Carotid endarterectomy American Association of Neurological Surgeons Orlando, Florida	1995
Carotid endarterectomy: Indications, techniques and complications Williamsburg Conference: Comprehensive Care of the Vascular Patient: Critical Pathways for the 1990's Williamsburg, Virginia	1995
Clinical Cerebral Protections for Vascular Procedures American Association of Neurological Surgeons Orlando, Florida	1995
Management of Acute Cerebral Ischemia Congress of Neurological Surgeons San Francisco, California	1995
Blockage of Nitric Oxide Synthase by L-NAME Attenuates Brain Acidosis During Repetitive Focal Cerebral Ischemia Joint Section on Cerebrovascular Surgery San Antonio, Texas	1996
Diagnosis and Management of Carotid Artery Aneurysms American Association of Neurological Surgeons	1996

Minneapolis, Minnesota	
Management of Acute Cerebral Ischemia Congress of Neurological Surgeons Montreal, Quebec, Canada	1996
Patient Selection Criteria for Carotid Endarterectomy Congress of Neurological Surgeons Montreal, Quebec, Canada	1996
Repair of Carotid Endarterectomy with Collagen Dacron Graft American Academy of Neurological Surgeons White Sulphur Springs, West Virginia	1996
Revascularization for Extracranial Carotid Artery Occlusive Lesions 55th Annual Meeting of the Japan Neurosurgical Society Toyama, Japan	1996
Brain Metabolism, Blood Flow and Ischemic Thresholds Review Course in Neurological Surgery Chicago, Illinois	1997
Presentation of Special Strategies for High Exposure Patch Grafting and Vessel Interposition Grafts AANS Professional Development Course - Carotid Reconstruction Palm Springs, California	1997
Surgical Management of Cervical Carotid Artery Disease Review Course in Neurological Surgery Chicago, Illinois	1997
Brain Metabolism, Blood Flow and Ischemic Thresholds Review Course in Neurological Surgery Chicago, Illinois	1998
Ischemia Panel 3rd Annual Meeting of Joint Section on Cerebrovascular Surgery Lake Buena Vista, Florida	1998
Surgical Management of Cervical Carotid Artery Disease Review Course in Neurological Surgery Chicago, Illinois	1998
Treatment of Low Grade Gliomas Utilizing Awake Cortical Mapping and Frameless Stereotaxis NCCTG -- North Central Cancer Treatment Group Rochester, Minnesota	1998
Awake Stereotactic Resections for Epilepsy Mayfield Clinic-Cleveland Clinic Winter Neuroscience Symposium Snowmass, Colorado	1999
Brain Metabolism, Blood Flow & Ischemic Threshold Chicago Review Course Chicago, Illinois	1999
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	1999
Transitional Cavernous Carotid Aneurysms American Academy of Neurological Surgery Amelia Island, Florida	1999
Treatment of Low Grade Gliomas Utilizing Awake Cortical Mapping and Frameless Stereotaxis American Academy of Neurological Surgery Amelia Island, Florida	1999
Brain Metabolism, Blood Flow & Ischemic Threshold	2000

Chicago Review Course Chicago, Illinois	
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	2000
Surgical Repair of Endovascularly Untreatable Transitional Cavernous Carotid Aneurysms Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional and Therapeutic Neuroradiology New Orleans, Louisiana	2000
Brain Metabolism, Blood Flow & Ischemic Threshold Chicago Review Course Chicago, Illinois	2001
Cerebroprotection during Neurovascular Surgery American College of Surgeons Chicago, Illinois	2001
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	2001
Brain Metabolism, Blood Flow & Ischemic Threshold Chicago Review Course Chicago, Illinois	2002
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	2002
Brain Metabolism, Blood Flow & Ischemic Threshold Chicago Review Course Chicago, Illinois	2003
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	2003
Brain Metabolism, Blood Flow & Ischemic Threshold Chicago Review Course Chicago, Illinois	2004
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	2004
Techniques of Cerebral Revascularization AANS/CNS Joint Section Meeting San Diego, California	02/2004
Update on Aneurysm Trials AANS/CNS Joint Section Meeting San Diego, California	02/2004
Controversies in Therapy and Management of Symptomatic and Asymptomatic Carotid Occlusive Disease Co-moderator American College of Surgeons New Orleans, Louisiana	10/2004
Brain Metabolism, Blood Flow and Ischemic Threshold Chicago Review Course Chicago, Illinois	02/2005
Epilepsy Surgery Chicago Review Course	02/2005

Chicago, Illinois	
Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	02/2005
Cadaver Hands-on Session: Cervical Carotid Exposure and Surgery The 6th Annual International Congress on Cerebral Revascularization St. Louis, Missouri	01/13/2006
Clip Reconstruction of Coiled Aneurysm The 6th Annual International Congress on Cerebral Revascularization St. Louis, Missouri	01/14/2006
Complications in EC-IC Bypass: Panel Discussion The 6th International Congress on Cerebral Revascularization St. Louis, Missouri	01/14/2006
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	01/27/2006
Epilepsy Surgery Chicago Review Course Chicago, Illinois	01/27/2006
Neurological Management of the Pregnant Patient The Winter Clinics Snowmass Village, Colorado	02/27/2006
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	01/2007
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	01/2008
Real Life: How Do We Choose? Microsurgery vs Endovascular International Stroke Conference New Orleans, Louisiana	02/2008
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	02/2009
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	02/2010
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	02/2011
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	01/2012
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	01/2014

Neurosurgery Education in the United States; Seizure Outcomes Following Corpus Callosotomy; MoyaMoya Disease in Caucasian Population: Demographics, Surgical Outcome, and Classification Israel Neurosurgical Society Jerusalem, Israel	03/2014
Triple Threat Presidential Address American Academy of Neurological Surgery Santa Rosa Beach, Florida	09/2014
Brain Metabolism, Blood Flow & Ischemic Threshold/Surgical Management of Cervical Carotid Artery Disease Chicago Review Course Chicago, Illinois	01/2015
Antibiotic Reservoir Injection Reduces Shunt Infection in adults Israel Neurosurgical Society Jerusalem, Israel	03/30/2016 - 04/01/2016
Vascular Complications of Transsphenoidal Surgery Israel Neurosurgical Society Jerusalem, Israel	03/30/2016 - 04/01/2016
Poster	
Surgical outcome of Lesionectomy Vs Lesionectomy + Temporal lobectomy for lesional temporal lobe epilepsy. Rajasekaran V, Burkholder DB, Worrell G, Marsh R, Meyer F, Mandrekar J, Britton J. American Epilepsy Society Seattle, Washington	12/2014
Regional	
Invited	
Keynote Speaker Mentorship Dr. Walter Grand Neurosurgical Forum for Mayo Clinic Jacksonville Virtual Meeting due to COVID pandemic	09/17/2021
Oral	
Calcium and Neuronal Hyperexcitability Minnesota Society of Neurological Sciences Minneapolis, Minnesota	1988
Evidence that an Intact Immune System is Neuro-protective in Selective Hippocampal Neuronal Injury. Minnesota Surgical Society. Duluth, Minnesota	10/2001
Management of Aneurysms Munson Medical Center/visiting professor Traverse City, Michigan	06/2005
Visiting Professorship	
Visiting Professorships	
Carotid Endarterectomy George Washington University	1991
Honored Guest Carotid Artery Surgery Japanese Neurosurgical Society Toriamo, Japan	1996

Honored Guest Intracranial Bypass Surgery Japanese Neurosurgical Society Toriamo, Japan	1996
Visiting Professorship Talks: Carotid Artery Surgery; Cerebral Protection Iwate Medical University Morioka, Japan	1996
Extracranial Vascular Surgery University of Chicago Pritzker School of Medicine Chicago, Illinois	1998
Intracranial Aneurysm Surgery Cedars Sinai	1999
Awake Glioma Surgery Stanford University	1999
Management of Cerebral Aneurysms Munson Medical Center Traverse City, Michigan	06/2005
Graduating resident ceremony Contemporary Perspectives on the Management of Intracranial Cerebral Aneurysms Rush University Medical Center Chicago, Illinois	06/2005
Stanford Grand Rounds Neurosurgical Management of the Pregnant Patient Stanford University Stanford, California	10/2005
2005 Matthew Wood, Sr. Lectureship Awake Stereotactic Glioma Surgery University of Tennessee, Memphis Semmes-Murphey Clinic Memphis, Tennessee	12/05/2005
Sally Harrington Goldwater Visiting Professorship Awake Cranial Surgery Barrow Neurologic Institute Phoenix, Arizona	04/2006
Neurosurgical Care of the Pregnant Patient University of Minnesota Minneapolis, Minnesota	06/2006
Brigham and Women's Hospital Boston, Massachusetts	01/2007
Neurosurgical Management of the Pregnant Patient Stanford Grand Rounds Stanford, California	06/2008
Extracranial Carotid Surgery - Endarterectomy, Cervical Aneurysms and Carotid Body Tumors and Neurosurgery in the Pregnant Patient University of Arkansas for Medical Sciences Little Rock, Arkansas	10/2008
Spectrum of Epilepsy Surgery New York Medical College New York, New York	04/09/2009
Neurosurgery Management of the Pregnant Patient University of Illinois - Chicago Chicago, Illinois	01/2010
Middlebury College	01/2011

Middlebury, Vermont	
Neurosurgery in the Pregnant Patient University of Louisiana Shreveport, Louisiana	01/2011
The Art of the Balance University of Louisiana Shreveport, Louisiana	01/2011
Dartmouth College Extracranial Carotid Surgery Visiting Professorship Lebanon, New Hampshire	04/2011
Hollin Visiting Lecturer Education of the Next Generation of Neurovascular Surgeons Mount Sinai Medical Center New York, New York	10/2011
Loma Linda University Health Care Loma Linda, California	12/2011
Gurdjian-Thomas Lecture Series Talks: The Future of Neurosurgical Education; Neurosurgery in the Pregnant Patient Wayne State University School of Medicine Detroit, Michigan	03/2012
Grand Rounds Talks: Neurosurgery in the Pregnant Patient; The Future of Vascular Neurosurgery North Shore University Hospital Manhasset, New York	01/2013
Visiting Professorship Talks: History of Vascular Surgery and Implications on Neurosurgery Education; Neurosurgical Perspectives on Epilepsy Surgery University of Florida Gainesville, Florida	04/2013
Patrick J. Kelly Lecture 12 Rules of Neurosurgery New York University Medical Center	09/20/2013
University of Virginia Triple Threat Visiting Professorship Charlottesville, Virginia	10/2014
Edgar Kahn Visiting Professor Talks: 16 Rules of Neurosurgery; Triple Threat University of Michigan Ann Arbor, Michigan	04/2015
Shelley N. Chou Lectureship in Neurosurgery Talk: Triple Threat University of Minnesota Minneapolis, Minnesota	05/2015
Professionalism: Triple Threat Albany Medical College Albany, New York	12/2015
Visiting Professorship Professionalism: Triple Threat Neurological Institute of New York at Columbia University	03/02/2016 - 03/03/2016
Grand Rounds	04/06/2016 -

Talk: Professionalism University at Buffalo	04/07/2016
Visiting Professorship Talk: Professionalism Johns Hopkins Medicine, Department of Neurosurgery	12/07/2016 - 12/08/2016
Robert J. Maciunas, M.D. Visiting Professorship Balance in Life and Leadership Skills University Hospitals Cleveland Medical Center Neurological Institute, Case Western Reserve University Cleveland, Ohio	04/24/2018 - 04/25/2018
Tindall Distinguished Professor Mentorship and Leadership Emory University School of Medicine Atlanta, GA	10/10/2019
Tindall Lecture Series Threats to Neurological Surgery Emory University School of Medicine Atlanta, GA	10/11/2019
Cedars-Sinai Medical Center Professionalism Neurosciences Grand Rounds Los Angeles, California	02/28/2020
Cedars-Sinai Medical Center Threats to Neurological Surgery Neurosurgery Grand Rounds Los Angeles, California	02/28/2020
University of Utah Lessons Learned Neurosurgery Grand Rounds (Virtual via Zoom) Salt Lake City, Utah	02/24/2021
Yale School of Medicine Haunted Memories Clinical Neuroscience Grand Rounds New Haven, Connecticut	04/23/2021

Research Grants Awarded

Active Grants

Federal

Other Significant Contributor	Reliable Seizure Prediction Using Physiological Signals and Machine Learning. Funded by National Institute of Neurological Disorders and Stroke. (R01 NS 92882)	05/2015 - 03/2022
Other Significant Contributor	Magnetic Resonance Elastography. Funded by National Institute of Biomedical Imaging and Bioengineering. (R37 EB 01981)	01/2021 - 12/2025

Completed Grants

Federal

Principal Investigator	Nimodipine as an Add-on Therapy for Intractable Epilepsy. Funded by National Institutes of Health. (R01 NS 26301-01)	01/1988 - 01/1991
Principal Investigator	Brain pH and Focal Cerebral Ischemia. Funded by National Institutes of Health. (R01 NS 25374)	01/1988 - 01/1995
Principal	Brain PH and Focal Cerebral Ischemia. Funded by National Institute of	08/1994 - 07/1998

Investigator	Neurological Disorders and Stroke. (R01 NS 25374)	
Co-Investigator	An Investigation of the Molecular Pathology of Gliomas. Funded by National Institutes of Health	01/1989 - 01/1998
Co-Investigator	An Investigation of the Molecular Pathology of Gliomas. Funded by National Cancer Institute. (U01 CA 50905)	09/1994 - 11/2000
Co-Investigator	Mayo SPORE in Brain Cancer. Funded by National Cancer Institute. (P50 CA 108961)	09/2004 - 08/2011

Federal sub award

Program Director / Principal Investigator	Carotid Occlusion Surgery Study - COSS. Funded by National Institute of Neurological Disorders and Stroke. (NS 42167)	09/2001 - 11/2007
Program Director / Principal Investigator	Carotid Occlusion Surgery Study - COSS. Funded by National Institute of Neurological Disorders and Stroke. (NS 42167)	12/2008 - 06/2010
Co-Investigator	Building the Next-Generation Physician and Physician-Scientist Workforce in Regenerative Medicine and Surgery. Funded by Minnesota Regenerative Medicine Partnership. (P006609820)	06/2018 - 11/2019

Foundation

Principal Investigator	Idiopathic Pulmonary Fibrosis and Related Interstitial Lung Disease. Funded by Robert N. Brewer Foundation	05/2000 - 04/2001
Co-Investigator	An Assessment of Surgical Techniques for Treating Cervical Spondylotic Myelopathy. Funded by AOSpine North America	02/2006 - 10/2009
Co-Investigator	Comparing surgical to conservative management in the treatment of Type II Odontoid Fractures among the Elderly. Funded by AOSpine North America	02/2006 - 10/2009

Industry

Co-Investigator	A Safety Study of Tirilazad Mesylate (6 vs 10 mg/kg/day) in Male Patients with Subarachnoid Hemorrhage. Funded by The Upjohn Company. (Upjohn #38)	10/1995 - 09/1996
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Mayo Clinic

Program Director / Principal Investigator	Neurosurgery Registry and Biobank. Funded by Development - Gifts from benefactors	03/2017 - 02/2021
Co-Investigator	Computed Tomography Angiography (CTA) for assessment of Carotid Occlusive Disease. Funded by Other Mayo	09/1996 - 08/1998
Co-Investigator	Fluid Percussion Head Injury Induced Respiratory Depression and Hypertensive Surge: Effects on Early Elevation of Intracranial Pressure and Cerebrovascular Microcirculation. Funded by CR Programs	03/1998 - 02/1999
Co-Investigator	MR Angiography of the Aortic Arch and Carotid Artery Including Bolus Contrast Imaging. Funded by CR Programs	03/1998 - 02/1999
Co-Investigator	The Effects of Aging on Motor Recovery After Photothrombotic Sensorimotor Cortex Lesion in Rats. Funded by CR Programs	01/2000 - 01/2001
Co-Investigator	Mayo Minimally Invasive Epilepsy Surgery Disruptive Technology for 21st Century Epilepsy Surgery. Funded by High-Impact Pilot and Feasibility Award (HIPFA)	01/2011 - 12/2011
Co-Investigator	Improved Meningioma Surgical Planning with High Resolution MR Elastography. Funded by Discovery-Translation Program	07/2012 - 06/2014

Inventions, Commercialization and Offering

A. Patent	Patent Number	Country	Date Filed	Date Issued
Assessing Brain Aneurysms Gautam (Vini) V. Khurana M.B.B.S., Ph.D., Fredric B. Meyer M.D.	7709204	USA	05/2008	05/2010
Assessing Brain Aneurysms Gautam (Vini) V. Khurana M.B.B.S., Ph.D., Fredric B. Meyer M.D.	7947456	USA	03/2010	05/2011

Other

Epilepsy Surgery. Television news program interviewing Dr. Meyer. KAAL-TV in Austin, MN.	03/11/1993
Awake Mapping Surgery. Television Program showing surgery and interviewing Dr. Meyer. The Incredible Human Body - National Geographic Special - Narrated by Kate Burton.	02/2002
Epilepsy patient. Television program interviewing Dr. Meyer. Discovery Health Network, Lifeline - Mayo Clinic # 2 - Titled: Medical Detectives.	10/2003
Live talk show. KROC AM on 2-20-2010. Medical Edge Weekend. Rochester, Minnesota	02/20/2010

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3. **Meyer FB**, Piepgras DG, Sundt TM Jr, Yanagihara T. Emergency embolectomy for acute embolic occlusion of the middle cerebral artery. *Clin Neurosurg.* 1985; 32:155-73. PMID: 3905137
4. **Meyer FB**, Piepgras DG, Sundt TM Jr, Yanagihara T. Emergency embolectomy for acute occlusion of the middle cerebral artery. *J Neurosurg.* 1985 May; 62(5):639-47. PMID: 3989586
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PMCID: 1251043
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- # Indicates the authors contributed equally.