

The Brain and Spine 2011 Speakers Bureau

**Department of Neurology and Neuroscience
Department of Neurological Surgery**

**NewYork-Presbyterian Hospital
Weill Cornell Medical Center**



Weill Cornell Brain and Spine Center

The attending faculty of the Department of Neurology and Neuroscience and Department of Neurological Surgery at Weill Cornell Medical College and NewYork-Presbyterian Hospital/Weill Cornell Medical Center would be pleased to have the opportunity to speak at your grand rounds or other interactive meetings conducive to presentations and discussion.

Through collaborations with leading physicians and researchers from around the world, our physicians and surgeons continue to achieve remarkable advances. They pride themselves not only as innovators, but educators, and welcome an opportunity to speak on a variety of medical advancements.

If you have any questions or would like to schedule our faculty for an educational session, please contact Amy Sabek, Physician Liaison, at 212.746.9819 or via email at ams2008@nyp.org.

TABLE OF CONTENTS

NEUROLOGY AND NEUROSCIENCE

EPILEPSY	
Paul D. Mullin, MD	4
Douglas R. Labar, MD, PhD	4
Nitin K. Sethi, MD	4
Padmaja Kandula, MD	4
GENERAL NEUROLOGY	
Joseph Safdieh, MD	4
HEADACHE	
Dara G. Jamieson, MD	5
MEMORY DISORDERS	
Gunnar Gouras, MD	5
Michael T. Lin, MD	5
Lisa D. Ravdin, PhD	5
MULTIPLE SCLEROSIS	
Susan A. Gauthier, DO, MPH	6
Nancy Nealon, MD	6
Timothy K. Vartanian, PhD, MD	6
NEUROMUSCULAR DISORDERS	
Michael Rubin, MD	7
NEURO-OPHTHALMOLOGY	
Marc J. Dinkin, MD	7
PARKINSON'S DISEASE AND MOVEMENT DISORDERS	
Claire Henchcliffe, MD, DPhil	8
Melissa J. Nirenberg, PhD, MD	8
SLEEP MEDICINE	
Matthew R. Ebben, PhD	8
STROKE AND CRITICAL CARE	
Matthew E. Fink, MD	9
Dara G. Jamieson, MD	9
Dana Leifer, MD	9
<u>NEUROSURGERY</u>	
BRAIN TUMORS	
John A. Boockvar, MD	10
Susan C. Pannullo, MD	10
Theodore H. Schwartz, MD	10
CEREBROVASCULAR DISEASE & STROKE	
Howard A. Riina, MD	11
Philip E. Stieg, PhD, MD	11
EPILEPSY	
Jeffrey P. Greenfield, MD, PhD	11
Theodore H. Schwartz, MD	11
INTERVENTIONAL NEURORADIOLOGY	
Y. Pierre Gobin, MD	12
Athos Patsalides, MD, MPH	12
Howard A. Riina, MD	12
STEREOTACTIC AND FUNCTIONAL NEUROSURGERY	
Michael G. Kaplitt, MD, PhD	13
PEDIATRIC NEUROSURGERY	
Jeffrey P. Greenfield, MD, PhD	13
Mark M. Souweidane, MD	13
SPINE SURGERY / NECK & BACK PAIN	
Eric H. Elowitz, MD	14
Roger Härtl, MD	14
Athos Patsalides, MD, MPH	14

NEUROLOGY and NEUROSCIENCE

EPILEPSY

Paul D. Mullin, MD

Director, Weill Cornell Epilepsy Center, Weill Cornell Medical College
NewYork-Hospital Hospital/Weill Cornell Medical Center

- Epilepsy: New Anticonvulsants in Practice
 - Medication, Surgery, or Stimulation: the new paradigm for treating seizures
 - Epilepsy and Psychiatry: managing the co-morbidities
 - Extreme Therapies: Pushing the Limits in the Treatment of Epilepsy
-

Douglas R. Labar, MD, PhD

Professor of Neurology and Neuroscience, Weill Cornell Medical College
Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Neurostimulation Therapies for the Treatment of Epilepsy
-

Nitin K. Sethi, MBBS

Assistant Professor of Neurology, Weill Cornell Medical College
Assistant Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Epilepsy and Sports
 - Preventing the Glitches that Affect Your Very Own Super-Computer (your brain)
-

Padmaja Kandula, MD

Assistant Professor of Neurology, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Women's Issues in Epilepsy
-

GENERAL NEUROLOGY

Joseph Safdieh, MD

Assistant Professor of Neurology, Weill Cornell Medical College
Assistant Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Infections of the Central Nervous System
- Neurological Complications of HIV
- Headache Prevention and Treatment
- Stroke Prevention Update
- Neurology Education Update
- Managing Neuropathic Pain

HEADACHE

Dara G. Jamieson, MD

Associate Professor of Clinical Neurology, Weill Cornell Medical College
Associate Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Headache Emergencies
-

MEMORY DISORDERS

Gunnar Gouras, MD

Professor of Neurology and Neuroscience, Weill Cornell Medical College
Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Alzheimer's Disease – an update
-

Michael T. Lin, MD

Associate Professor of Neurology and Neuroscience, Weill Cornell Medical College
Associate Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Clinical Approach to Memory Disorders
-

Lisa D. Ravdin, PhD, ABPP-CN

Associate Professor of Neuropsychology in Clinical Neurology, Weill Cornell Medical College
Professional Associate, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Memory Changes with Aging
- Alzheimer's Disease
- Neurological Diseases that have Cognitive Consequences

MULTIPLE SCLEROSIS

Susan A. Gauthier, DO, MPH

*Feil Family Clinical Scholar in Multiple Sclerosis, Weill Cornell Medical College
Assistant Professor of Neurology, Weill Cornell Medical College
Assistant Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center*

- The Evolving Role of MRI in MS
 - How Predicting the Course of MS has Evolved
 - Multi-modality Approach to Imaging MS
 - Clinical Approach to the Treatment of MS
-

Nancy Nealon, MD

*Assistant Professor of Clinical Neurology, Weill Cornell Medical College
Assistant Professor of Clinical Medicine, Weill Cornell Medical College
Assistant Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center*

- Diagnosis, Prognosis, and Early Treatment of Multiple Sclerosis
-

Timothy K. Vartanian, PhD, MD

*Director, The Judith Jaffe Multiple Sclerosis Clinical Care & Research Center
Weill Cornell Medical College, NewYork-Presbyterian Hospital/Weill Cornell Medical Center*

- The Clinical Spectrum of Multiple Sclerosis: When to use the big guns
- Innate Immunity and Pattern Recognition Receptors in Multiple Sclerosis: a mechanism for failure of normal remyelination
- Diagnostic Dilemmas in Multiple Sclerosis
- Nurture and Nature in Multiple Sclerosis: Genetics, Epigenetics, Toxins, Nutrition and Pathogens

NEUROMUSCULAR DISORDERS

Michael Rubin, MD

*Professor of Clinical Neurology, Weill Cornell Medical College
Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center*

- Unusual Entrapment Neuropathies
 - Peripheral Neuropathy: diagnosis and treatment
 - Myopathy: workup and differential diagnosis
 - Electromyography: what's it all about?
-

NEURO-OPHTHALMOLOGY

Marc J. Dinkin, MD

*Assistant Professor of Ophthalmology in Neurology, Weill Cornell Medical College
Assistant Professor of Ophthalmology in Neurological Surgery, Weill Cornell Medical College
Assistant Professor of Ophthalmology, Weill Cornell Medical College
Assistant Attending Physician, NewYork-Presbyterian Hospital/Weill Cornell Medical Center*

- Neuro-Ophthalmological Emergencies
- The Neuro-Ophthalmology of Multiple Sclerosis
- The Neuro-ophthalmological Complications of Cancer
- Optic Neuropathies
- Papilledema
- Visual Complications of Stroke
- Congenital Nystagmus
- Acquired Nystagmus: An Organized Approach
- Diplopia in Neurological Practice
- Third Nerve Palsies
- Vertical Diplopia: Fourths and Skews
- Abducens Palsies
- Disorders of the Pupils
- Neurosurgical Neuro-ophthalmology
- Non-Organic Visual Loss

PARKINSON'S DISEASE AND MOVEMENT DISORDERS

Claire Henchcliffe, MD, DPhil

*Daisy and Paul Soros Clinical Scholar in Neurology, Weill Cornell Medical College
Associate Professor of Neurology, Weill Cornell Medical College
Associate Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell
Medical Center*

- Parkinson's Disease
 - Disease Modification Approaches to Neurodegenerative Disorders
 - Use of Biomarkers in Parkinson's Disease
-

Melissa J. Nirenberg, PhD, MD

*Assistant Professor of Neurology and Neuroscience, Weill Cornell Medical College
Assistant Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell
Medical Center*

- Dopamine Agonist Withdrawal Syndrome in Parkinson's Disease
 - Psychiatric Complication of Dopaminergic Therapy
 - Parkinson's Disease Secrets, Myths, and Misconceptions
 - Update on Parkinson's Disease and Essential Tremor
-

SLEEP MEDICINE

Matthew R. Ebben, PhD

*Assistant Professor of Psychology in Neurology, Weill Cornell Medical College
Professional Associate, NewYork-Presbyterian Hospital/Weill Cornell Medical
Center*

- Circadian Rhythms (Disorders)
- Insomnia
- Apnea (Central or Obstructive)
- Disorders Associated with Daytime Sleepiness
- Parasomnias (Sleepwalking, Night Terrors, REM Behavior Disorder)
- Narcolepsy

STROKE AND CRITICAL CARE

Matthew E. Fink, MD

*Acting Chairman of Neurology and Neuroscience, Weill Cornell Medical College
Professor of Clinical Neurology, Weill Cornell Medical College
Chief of Neurology and Neuroscience,
NewYork-Presbyterian Hospital/Weill Cornell Medical Center*

- Aneurysmal Subarachnoid Hemorrhage
 - Intracerebral Hemorrhage
 - Stroke and Pregnancy
 - Neurocritical Care – what, where, how?
-

Dara G. Jamieson, MD

*Associate Professor of Clinical Neurology, Weill Cornell Medical College
Associate Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell
Medical Center*

- Cerebrovascular Complications of Pregnancy
-

Dana Leifer, MD

*Associate Professor of Neurology, Weill Cornell Medical College
Associate Attending Neurologist, NewYork-Presbyterian Hospital/Weill Cornell
Medical Center*

- Stroke Prevention and Treatment (for lay audiences)
- Acute Stroke Diagnosis and Management: IV TPA and Intra-arterial Approaches
- Treatment of Symptomatic Intracranial Atherosclerotic Disease
- Stroke Center Certification: why it matters?
- Comprehensive Stroke Centers: structural requirements and quality of care metrics
- Transient Ischemic Attacks: Update
- Diagnosis, Pathophysiology, and Management of Ischemic Stroke: Update
- Anti-platelet Therapy for Stroke Prevention
- Ischemic Stroke: Risk Factors and Prevention
- Diagnosis and Management of Subarachnoid Hemorrhage
- CNS Vacuolitis and Related Uncommon Causes of Stroke

NEUROSURGERY

BRAIN TUMORS

John A. Boockvar, MD

Associate Professor of Neurological Surgery, Weill Cornell Medical College
Associate Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Emerging Concepts in Brain Tumor Biology and Therapy
 - Molecular Mechanisms of Malignant Glioma
 - Emerging Concepts in Stem Cell Biology
 - Minimally Invasive Surgical Strategies to Treat Brain and Spinal Tumors
 - Intraarterial Cerebral Infusion of Avastin for Recurrent Malignant Glioma
-

Susan C. Pannullo, MD

Associate Professor of Clinical Neurological Surgery, Weill Cornell Medical College
Adjunct Assistant Professor of Neurological Surgery, Columbia University
College of Physicians and Surgeons
Associate Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Multi-disciplinary Approaches to Treatment of Malignant Gliomas
 - Treatment of Brain Metastases
 - Stereotactic Radiosurgery
-

Theodore H. Schwartz, MD

Professor of Neurological Surgery, Weill Cornell Medical College
Professor of Neurological Surgery in Otorhinolaryngology,
Weill Cornell Medical College
Adjunct Assistant Professor of Neurosurgery,
Columbia University College of Physicians and Surgeons
Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Surgical Treatment of Pituitary Tumors
- Minimally Invasive Endoscopic Endonasal Skull Base Surgery
- Glioma Surgery: does extent of resection make a difference?
- Minimally Invasive Surgery for Craniopharyngiomas
- Surgical Management of Brain Tumors

CEREBROVASCULAR ANEURYSM AND STROKE

Howard A. Riina, MD

Professor of Neurological Surgery, Weill Cornell Medical College
Associate Professor of Neurological Surgery in Neurology, Weill Cornell Medical College
Associate Professor of Neurological Surgery in Radiology, Weill Cornell Medical College
Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Current Management of Stroke
 - Current Strategies in the Treatment of Intracranial Aneurysms
 - Current Strategies in the Treatment of Intracranial Arteriovenous Malformations
 - Current Strategies in the Treatment of Carotid Occlusive Disease
 - Superselective Intra-arterial Chemotherapy for Treatment of Malignant Brain Tumors
-

Philip E. Stieg, PhD, MD

Chairman of Neurological Surgery, Weill Cornell Medical College
Professor of Neurological Surgery, Weill Cornell Medical College
Neurosurgical-in-Chief, NewYork-Presbyterian Hospital
Attending Neurological Surgeon, Memorial Sloan-Kettering Cancer Center

- Surgical Management for Stroke
 - AVM – Multidisciplinary Approach to Cure
 - Skull Based Surgical Techniques – Improved Outcomes in Acoustic Neuroma Surgery
 - Aneurysm Therapy – We are doing better
-

EPILEPSY SURGERY

Jeffrey P. Greenfield, MD, PhD

Assistant Professor of Neurological Surgery in Pediatrics, Weill Cornell Medical College
Assistant Professor of Neurological Surgery, Weill Cornell Medical College
Assistant Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Neurosurgery for Pediatric Epilepsy
-

Theodore H. Schwartz, MD

Professor of Neurological Surgery, Weill Cornell Medical College
Professor of Neurological Surgery in Otorhinolaryngology, Weill Cornell Medical College
Adjunct Assistant Professor of Neurosurgery,
Columbia University College of Physicians and Surgeons
Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Epilepsy Surgery
- Neurovascular Coupling in Epilepsy

INTERVENTIONAL NEURORADIOLOGY

Y. Pierre Gobin, MD

Professor of Radiology in Neurological Surgery, Weill Cornell Medical College
Professor of Radiology in Neurology, Weill Cornell Medical College
Professor of Radiology, Weill Cornell Medical College
Adjunct Professor in Radiology,
Columbia University College of Physicians and Surgeons
Attending Radiologist, NewYork-Presbyterian Hospital/Weill Cornell Medical Center

- Advances in Endovascular Treatment of Brain Aneurysms
- Embolization of Difficult Aneurysms with Coils: 20 year anniversary
- Multi-disciplinary Treatment of Brain Arteriovenous Malformations
- Vascular Malformations of the Spine and Spinal Cord
- Endovascular Treatment of Stroke
- Intracranial Angioplasty and Stenting
- Carotid Stenting
- Endovascular Interventions in Ophthalmology
- Endovascular Interventions in ENT

Athos Patsalides, MD, MPH

Assistant Professor of Radiology in Neurological Surgery,
Weill Cornell Medical College
Assistant Professor of Radiology, Weill Cornell Medical College
Assistant Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center
Assistant Attending Radiologist, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Intracranial Atherosclerosis: who and how to treat

Howard A. Riina, MD

Professor of Neurological Surgery, Weill Cornell Medical College
Associate Professor of Neurological Surgery in Neurology,
Weill Cornell Medical College
Associate Professor of Neurological Surgery in Radiology,
Weill Cornell Medical College
Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Current Management of Stroke
- Current Strategies in the Treatment of Intracranial Aneurysms
- Current Strategies in the Treatment of Intracranial Arteriovenous Malformations
- Current Strategies in the Treatment of Carotid Occlusive Disease
- Superselective Intra-arterial Chemotherapy for Treatment of Malignant Brain Tumors

STEREOTACTIC AND FUNCTIONAL NEUROSURGERY

Michael G. Kaplitt, MD, PhD

Associate Professor of Neurological Surgery, Weill Cornell Medical College
Associate Professor of Neurological Surgery in Neurology,
Weill Cornell Medical College
Associate Professor of Neurological Surgery in Otorhinolaryngology,
Weill Cornell Medical College
Associate Attending Neurosurgeon, NewYork-Presbyterian Hospital /
Weill Cornell Medical Center

- Surgery for Chronic Pain
- Adult Hydrocephalus
- Surgery for Movement Disorders

PEDIATRIC NEUROSURGERY

Jeffrey P. Greenfield, MD, PhD

Assistant Professor of Neurological Surgery, Weill Cornell Medical College
Assistant Professor of Neurological Surgery in Pediatrics,
Weill Cornell Medical College
Assistant Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Neurosurgery 101 for the Pediatrician
- Neurosurgery for Pediatric Epilepsy
- Pediatric Brain Injury and Cervical Spine Injury
- Endoscopic Neurosurgery in Children
- Pediatric Brain Tumors

Mark M. Souweidane, MD

Professor of Neurological Surgery, Weill Cornell Medical College
Professor of Neurological Surgery in Pediatrics, Weill Cornell Medical College
Adjunct Assistant Professor of Clinical Neurological Surgery,
Columbia University College of Physicians and Surgeons
Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center

- Pediatric Brain Tumors
- Endoscopic Management of Hydrocephalus and Disorders of CSF Circulation
- Endoscopic Management of Intraventricular Brain Tumors
- Colloid Cysts and State-of-the-Art Management
- Surgical Management of Pineal Region Tumors
- Chiari Malformation and Treatment Approaches

SPINE SURGERY / NECK AND BACK PAIN

Eric H. Elowitz, MD

*Assistant Professor of Neurological Surgery, Weill Cornell Medical College
Assistant Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center*

- Back and Neck Pain: Diagnosis and Management
 - Advances in Minimally Invasive Spine Surgery
-

Roger Härtl, MD

*Leonard and Fleur Harlan Clinical Scholar, Weill Cornell Medical College
Associate Professor of Neurological Surgery, Weill Cornell Medical College
Associate Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center*

- New Biological Treatment Options for Severe Degenerative Back and Neck Problems
 - Back and Neck Pain: When is surgery an option?
 - Minimally Invasive Options for the Surgical Treatment of Back and Neck Problems
 - Back and Neck Pain and Evidence-based Medicine: what does the literature say?
 - Surgical Treatment of Spinal Tumors
 - Treatment of Spinal Tumors
-

Athos Patsalides, MD, MPH

*Assistant Professor of Radiology in Neurological Surgery, Weill Cornell Medical College
Assistant Professor of Radiology, Weill Cornell Medical College
Assistant Attending Neurological Surgeon, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center
Assistant Attending Radiologist, NewYork-Presbyterian Hospital/
Weill Cornell Medical Center*

- Vertebroplasty and Kyphoplasty: who and how to treat
- Spinal Vascular Malformations: endovascular treatment

inside back cover

back cover