

NEUROSCIENCES AT EMORY UNIVERSITY HOSPITAL

Emory University Hospital's new 20-bed ICU provides world-class medical care for patients suffering from neurological challenges. The new unit offers amenities for patient families, including sleep and work quarters, laundry and shower facilities, and Wi-Fi® Internet access.

Rooms Designed for Patient Care

All of the rooms in the newly designed unit are equipped with state-of-the-art ceiling-mounted equipment booms. By affixing most of the medical equipment to the ceiling, patient beds can be rotated, which provides specialists with 360-degree access to perform complicated procedures at the bedside.

With lifesaving monitoring devices and monitors safely mounted on these moveable ceiling booms, the medical staff can rotate the equipment rapidly and with great precision. In addition, medical pumps and lines are off the floor and out of the way of caregivers.

By designing and building the new ICU, Emory has been able to incorporate the latest technology and building design techniques, to bring the hospital room of the future to life today.

Emory Stroke Center

Emory University Hospital recently was awarded Primary Stroke Center Certification from the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) for its rapid response in diagnosing and treating stroke patients using a multispecialty approach, and for its exceptional efforts to foster better outcomes for stroke care. This means treatment begins as soon as patients arrive in the emergency room. The Emory Stroke Team, led by vascular neurologists, provides 24/7 coverage. The team receives early warning about a patient arriving with stroke symptoms. This early notification ensures rapid assessment and stabilization, and an immediate CT brain scan to establish onset time and to determine eligibility for various treatment options.

Emory University Hospital's Stroke Program includes:

- Seven stroke neurologists
- World-renowned vascular neurosurgeons
- Highly skilled and experienced interventional neuroradiologists
- Thirty-four neurocritical-care unit beds, six neuro step-down or immediate-care beds and 41 acute-care floor beds
- A brand new \$18 million, 20-bed ICU
- Specialized inpatient and ED nursing staff
- Two fellowship-trained neurointensivists
- Eight diagnostic neuroradiologists
- A multidisciplinary neuroscience critical-care team

Neurointensivists

Owen Samuels, MD

*Assistant Professor, Departments of Neurosurgery and Neurology;
Director, Neuroscience Critical Care and Stroke Units
Areas of Clinical Interest: brain injury, cerebral edema,
critical care medicine, stroke, transient ischemic attacks*

Wendy Wright, MD

*Assistant Professor, Departments of Neurosurgery and Neurology
Areas of Clinical Interest: brain aneurysms, brain injury,
cerebral edema, critical care medicine, head injury, stroke*



Wendy Wright, MD, and Owen Samuels, MD

For more information, call the Emory Physician Consult Line at 800-22-EMORY or 404-778-5050.

Emory University Hospital ranked as one of America's Best Hospitals by *U.S. News & World Report* for 2006.



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Neurological Surgery

Emory Neurological Surgery ranks among the nation's leading departments for neurosurgical patient care, teaching and research. Our highly specialized physicians and staff collaborate at every step of care. From referral and diagnosis to treatment and recovery, patients get the individualized care they need.

Neurosurgeons

Daniel Barrow, MD

MBNA-Bowman Professor and Chairman of Neurosurgery; Chief of Neurosurgery Service, Emory University Hospital; Director, Emory MBNA Stroke Center



Daniel Barrow, MD

Areas of Clinical Interest: brain aneurysms, cerebral aneurysms, brain surgery, brain tumors, carotid endarterectomy, cerebrovascular accident, cervical fusion, Chiari malformations, cranial aneurysms, lumbar decompression, microsurgery, microvascular surgery, stroke, transient ischemic attacks, trigeminal neuralgia

C. Michael Cawley III, MD

Assistant Professor, Departments of Neurosurgery and Radiology

Areas of Clinical Interest: brain aneurysms, cerebral aneurysms, embolization aneurysms, angioplasty/angiogram, arteriovenous malformations, cavernous malformations, arteriovenous fistula, brain surgery, carotid endarterectomy, carotid stenting, cerebrovascular accident, Chiari malformations, microvascular surgery, stroke, transient ischemic attacks

Robert Gross, MD, PhD

Assistant Professor, Department of Neurosurgery

Areas of Clinical Interest: Parkinson's disease, brain surgery, dystonia, epilepsy, epilepsy surgery, seizures

Sanjay Gupta, MD

Assistant Professor, Department of Neurosurgery; Neurosurgery Service at Grady Memorial Hospital

Area of Clinical Interest: neurotrauma

Odette Harris, MD, MPH

Assistant Professor, Department of Neurosurgery; Chief of Neurosurgery Service, Grady Memorial Hospital

Area of Clinical Interest: neurotrauma

Franklin J. Lin, MD

Assistant Professor, Department of Neurosurgery

Areas of Clinical Interest: brain injury, brain surgery, brain tumors, carpal tunnel syndrome, Chiari malformations, head injury, spinal cord stimulators, spinal degenerative disease, spinal fusion, spinal trauma, spinal surgery, sports neurosurgery, vertebroplasty/kyphoplasty

Jeffrey Olson, MD, FACS

Professor of Neurological Surgery; Director, Translational Neuro-Oncology Laboratory; Co-Director, Brain Tumor Program, Emory Winship Cancer Institute; Co-Director, Center for Skull Base Surgery

Areas of Clinical Interest: acoustic neuroma, brain surgery, brain tumors, cranial nerve disorder, epilepsy, seizures, skull base tumors, stereotactic surgery

Nelson Oyesiku, MD, PhD, FACS

Vice Chair, Professor of Neurological Surgery; Director, Molecular Neurosurgery and Biotechnology Laboratory

Areas of Clinical Interest: brain tumors, neuroendocrinology, neuroendoscopy, pituitary disorders, pituitary tumors

Gerald Rodts Jr, MD

Professor, Department of Neurosurgery; Chief of Neurosurgery Service, Emory Crawford

Long Hospital, Emory Orthopaedics & Spine Center

Areas of Clinical Interest: back pain, spinal pain, spinal surgery, spinal trauma, spinal tumors

Interventional Neuroradiologists

C. Michael Cawley III, MD

(see Neurosurgeons for complete bio)

Jacques Dion, MD, FRCP (C)

Professor and Head, Division of Interventional Neuroradiology; Professor, Department of Neurosurgery

Areas of Clinical Interest: brain aneurysms, cerebral aneurysms, angioplasty/angiogram, brain tumors, carotid stenting, compression fractures, cranial aneurysms, interventional radiology, lumbar puncture, stents, stroke, transient ischemic attacks, vertebral fractures, vertebroplasty

Frank Tong, MD

Assistant Professor, Departments of Neurosurgery and Radiology

Areas of Clinical Interest: CT scan, aneurysms, angioplasty/angiogram, interventional radiology, lumbar puncture, stents, vertebroplasty



Robert Gross, MD, PhD

Neurology

The Department of Neurology is comprised of a variety of different centers, each one dealing with a particular disease or condition affecting the brain. The clinical programs are remarkable not only for their breadth and diversity, but also for their depth and excellence in subspecialty expertise. The Department of Neurology has a large and diverse nationally renowned faculty, including five “Best Doctors in America.” Through research programs on diseases of the nervous system, the Department of Neurology seeks to find new ways to reduce the burden of neurological disorders, both for patients as well as for society as a whole. The Department of Neurology’s research strength is reflected in its rank among the top 10 programs in the nation with regard to National Institutes of Health (NIH) funding, as well as national recognition of its faculty. The programs that make up the Department of Neurology are:

- Epilepsy
- Dizziness and Balance
- Movement Disorders
- Neuromuscular Disorders
- Sleep Disorders
- Cognitive and Behavioral Neurology
- Stroke
- Restorative Neurology

Physicians

Garrett Alexander, MD, PhD

Professor of Neurology

Areas of Clinical Interest: Parkinson’s disease, movement disorders

Angela Ashley, MD

Assistant Professor of Neurology

Area of Clinical Interest: neurobehavioral medicine

Michael Benatar, MD, PhD

Assistant Professor of Neurology

Areas of Clinical Interest: muscular dystrophy, electromyography, myasthenia gravis, myopathy, neuromuscular syndromes, peripheral neuropathy, trigeminal neuralgia

Donald Bliwise, PhD

Associate Professor of Neurology

Areas of Clinical Interest: narcolepsy, sleep apnea, sleep disorders, snoring

Marc Chimowitz, MD

Associate Professor of Neurology

Areas of Clinical Interest: stroke, ultrasound

Mahlon DeLong, MD

Professor of Neurology

Areas of Clinical Interest: Parkinson’s disease, cerebral palsy, dystonia, movement disorders, pallidotomy

Charles Epstein, MD

Associate Professor of Neurology

Areas of Clinical Interest: epilepsy, seizures, sleep apnea, sleep disorders



Allan Levey, MD, PhD

Gregory Esper, MD

Assistant Professor of Neurology; Director, General Neurology Division

Areas of Clinical Interest: general neurology including: back pain, brain injury, carpal tunnel syndrome, cranial nerve disorder, dementia assessment, electromyography, facial paralysis, headache, lumbar disorders, lumbar puncture, migraine, multiple sclerosis, myasthenia gravis, neck pain, neurobehavioral medicine, neurogenic dysfunction, neuromuscular syndromes, neuropathic pain, peripheral neuropathy, radiculopathy

Marian Evatt, MD

Assistant Professor of Neurology

Areas of Clinical Interest: botulinum toxin (Botox®, Myobloc®), dystonia, movement disorders, pallidotomy, Parkinson’s disease

Stewart Factor, DO

Assistant Professor of Neurology; Director, Emory Comprehensive Parkinson’s Disease Center; Director, Movement Disorders Program

Areas of Clinical Interest: Huntington’s disease, Parkinson’s disease, dystonia, movement disorders

Michael Frankel, MD

Associate Professor of Neurology

Area of Clinical Interest: stroke

Alan Freeman, MD

Assistant Professor of Neurology

Areas of Clinical Interest: Parkinson’s disease, botulinum toxin (Botox®, Myobloc®), movement disorders

Jane Gilmore, MD

Assistant Professor of Neurology

Areas of Clinical Interest: neuro CCU, hospital medicine

Jonathan Glass, MD
Professor of Neurology
Areas of Clinical Interest: ALS – Lou Gehrig’s disease, muscular dystrophy, electromyography, neuromuscular syndromes, peripheral neuropathy, trigeminal neuralgia

Felicia Goldstein, PhD
Assistant Professor of Neurology
Areas of Clinical Interest: neurobehavioral medicine, stroke, neuropsychology

James Greene, MD
Assistant Professor of Neurology
Area of Clinical Interest: movement disorders

Taylor Harrison, MD
Assistant Professor of Neurology
Areas of Clinical Interest: AIDS, neuromuscular syndromes, peripheral neuropathy

Sharon Hartman Polensek, MD, PhD
Associate Professor of Neurology
Areas of Clinical Interest: dizziness/balance, vertigo

Sandra Helmers, MD
Associate Professor of Neurology
Areas of Clinical Interest: epilepsy, epilepsy surgery, seizures

Thomas Henry, MD
Professor of Neurology
Areas of Clinical Interest: MRI, epilepsy, epilepsy surgery, positron emission tomography (PET), seizures

William Hewitt, MD
Assistant Professor of Neurology
Areas of Clinical Interest: general neurology, neurophysiology

Linton Hopkins, MD
Professor of Neurology
Areas of Clinical Interest: electromyography, myasthenia gravis, myopathy, neuromuscular syndromes, peripheral neuropathy, trigeminal neuralgia

Jorge Juncos, MD
Associate Professor of Neurology
Areas of Clinical Interest: botulinum toxin (Botox®), Huntington’s disease, Parkinson’s disease, Tourette syndrome, dystonia, movement disorders

Jaffar Khan, MD
Assistant Professor of Neurology
Areas of Clinical Interest: electromyography, neuromuscular syndromes

Archana Koganti, MD
Assistant Professor of Neurology
Area of Clinical Interest: epilepsy

James Lah, MD
Assistant Professor of Neurology
Areas of Clinical Interest: Alzheimer’s disease, dementia assessment, hydrocephalus, memory behavior

Suzette LaRoche, MD
Assistant Professor of Neurology
Areas of Clinical Interest: electroencephalography, electrophysiology lab, epilepsy, epilepsy surgery

Allan Levey, MD, PhD
Professor of Neurology; Chair, Department of Neurology
Areas of Clinical Interest: Alzheimer’s disease, dementia assessment, hydrocephalus, memory behavior

Page Pennell, MD
Associate Professor of Neurology
Areas of Clinical Interest: epilepsy, epilepsy surgery, seizures

David Rye, MD, PhD
Associate Professor of Neurology
Areas of Clinical Interest: narcolepsy, restless leg syndrome, sleep apnea, sleep disorders, snoring

Krish Sathian, MD, PhD
Associate Professor of Neurology and Rehabilitation Medicine
Area of Clinical Interest: neurorehabilitation

John Sladky, MD
Professor of Neurology
Areas of Clinical Interest: neuromuscular syndromes, pediatrics

Claudia Testa, MD, PhD
Assistant Professor of Neurology
Area of Clinical Interest: Huntington’s disease

Tanya Turan, MD
Assistant Professor of Neurology
Areas of Clinical Interest: atherosclerosis, stroke, transient ischemic attacks

Ronald Tusa, MD, PhD
Professor of Neurology
Areas of Clinical Interest: acoustic neuroma, dizziness/balance, neurotology, neurovestibular system, vertigo

Salina Waddy, MD
Assistant Professor of Neurology
Areas of Clinical Interest: neurogenetics, stroke

Thomas Wichmann, MD
Associate Professor of Neurology
Areas of Clinical Interest: Parkinson’s disease, movement disorders

George Wilmot III, MD, PhD
Assistant Professor of Neurology
Areas of Clinical Interest: ataxia, movement disorders, neurodegenerative disease, neurogenetics

Manuel Yepes, MD
Assistant Professor of Neurology
Area of Clinical Interest: stroke

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