**Roosevelt Hospital Tests New Treatment for Brain Aneurysms**

A new device that reduces and redirects blood flow away from a bulge in the wall of a blood vessel in the brain known as an aneurysm is being tested in patients at Roosevelt Hospital in a clinical trial that could bring new hope to patients with hard-to-treat aneurysms.

The dual-layer flow diversion stent, known as the FRED™ System, is a small, metallic mesh tube that is inserted into the blood vessel across the entrance to the aneurysm. It contains the flow of blood within the tube to keep it away from the aneurysm, causing the aneurysm to clot and minimizing the chance of rupture.

Roosevelt Hospital is the only site in New York City offering the treatment, and its principal investigator is Johanna Fifi, MD, Director of Endovascular Stroke at the Hyman-Newman Institute for Neurology and Neurosurgery at Roosevelt Hospital, is principal investigator of the clinical trial.

**Influenza Vaccinations Available for Mount Sinai Health System Staff**

All faculty, staff, and students throughout the Mount Sinai Health System are expected to get an annual influenza vaccination, a request that has new urgency this year. For the first time, the New York State Department of Health is requiring that all hospital personnel either receive the influenza vaccination or wear masks in areas where there is potential for patient contact, including lobbies, corridors, elevators, and cafeterias, as well as in all typical patient-care areas. This new regulation will be in effect throughout the influenza season, which typically runs from December to late spring.

“Influenza kills thousands of Americans every year, but influenza vaccine saves lives, and is the most important thing we can do to protect ourselves, our loved ones, and our patients,” says Jeremy Boal, MD, Chief Medical Officer of the Mount Sinai Health System.

Influenza vaccinations, including those that are free of...
Influenza Vaccinations Available for Staff (continued from page 1)

thimerosal, eggs, and latex, are being provided at no cost to employees and volunteers. All immunized staff will receive a sticker for their employee ID badge. Vaccines are available immediately through each hospital’s Employee Health Service. Additionally, each hospital will offer vaccination at a variety of convenient campus locations throughout the coming weeks.

In order to comply with the State regulations, beginning Monday, December 2, faculty, students, staff, and volunteers who do not have an influenza sticker on their ID badge must wear a mask while working or walking through patient-care and public areas in any of the buildings on The Mount Sinai Hospital campus, or in Health System hospitals and clinics.

For those individuals who receive or have received the vaccination elsewhere, they must submit written documentation of where (physician office, store, or other site, including address) they received the vaccine, who provided the immunization, and the date. This should be submitted to the respective Employee Health Service.

Says Dr. Boal, “Everyone’s cooperation is needed to help us protect our patients and staff.”

Mount Sinai Queens Groundbreaking
Hospital and community leaders, local legislators, and residents of Western Queens gathered on Monday, October 21, to break ground on a $125 million expansion project at Mount Sinai Queens, which will enhance emergency and outpatient care, and diagnostic and laboratory services, when it is completed in 2016.

Mount Sinai Queens—covering a diverse population of nearly 400,000 people in Astoria, Sunnyside, Long Island City, and surrounding neighborhoods—is one of seven hospital campuses in the Mount Sinai Health System.

Among the many improvements planned is a state-of-the-art expansion of the Emergency Department, to be named in recognition of a gift from the Stavros Niarchos Foundation.

21st Annual Celebration of Life Gala
The Mount Sinai Breast Health Resource Program (BHRP) held its 21st Annual Celebration of Life Gala on Thursday, October 10, at The Pierre in New York City, drawing more than 500 supporters and raising more than $500,000 to help breast cancer patients.

This year’s event honored fashion designer and breast cancer survivor Betsey Johnson, who spoke about the important role her friends and family played in helping her overcome the disease. NBC4 Reporter and Anchor Pat Battle spoke about her fight with breast cancer, as well.

The BHRP provides breast cancer patients with services that support their emotional and practical needs through diagnosis, treatment, and survivorship. All services are free of charge.

New York Eye and Ear Infirmary’s Thanks for Giving Gala
More than 450 guests attended New York Eye and Ear (NYEE) Infirmary’s annual Thanks for Giving Gala on Thursday, October 3, which celebrated 193 years of medical excellence, and honored two renowned physicians, J. Robert Rosenthal, MD, and Min-Ho Huang, MD, PhD, MPH. The gala raised nearly $325,000 for NYEE’s Physician Training and Education Programs.

J. Robert Rosenthal, MD, NYEE Senior Vice President for Medical Affairs and Chief Medical Officer, received the John Kearney Rodgers Physician of the Year Award for his 55 years of service to NYEE and the field of ophthalmology.

Min-Ho Huang, MD, PhD, MPH, founder and President of the Show Chwan Health Care System in Taiwan, received the Margaret Loeb Kemppner Humanitarian Award for support of medical education and leadership training, translation of scientific advances to clinical care, and health care relief during natural disasters. Dr. Rosenthal has been instrumental in establishing an educational and clinical partnership between NYEE and the Show Chwan System.

Celebrating a Groundbreaking and Two Galas
Mount Sinai and *The Atlantic* Spotlight Big Data at a Special Summit for Thought Leaders

Vast amounts of data from genomic sequencing and electronic health records (EHRs) have the potential to radically improve the health of individual patients, but first, institutions must learn how to manage the data, and adopt uniform standards that allow them to share it.

This discussion took center stage at a Working Summit on Big Data hosted by *The Atlantic* in partnership with the Mount Sinai Health System on Wednesday, October 23, at The New York Palace Hotel. At a roundtable discussion, 24 policymakers, entrepreneurs, and health care leaders shared their thoughts and experiences in harnessing petabytes of data for use in improving human health.

“We now sequence the genetics of a single tumor, model that tumor in an animal model, test drugs on that animal model, and take those findings back to the patient. We can’t do that without a great multidisciplinary group of scientists and physicians, as well as super computing capacity,” said Dennis S. Charney, MD, Anne and Joel Ehrenkranz Dean, Icahn University, IBM Corp., and other leading institutions to form a new epicenter for personalized medicine.

Under the leadership of Eric Schadt, PhD, Director of the Icahn Institute of Genomics and Multiscale Biology, Chair of Genetics and Genomic Sciences, and the Jean C. and James W. Crystal Professor of Genomics, the Mount Sinai Health System has recruited top data scientists from Stanford University, IBM Corp., and other leading institutions to form a new epicenter for personalized medicine.

At the core of this infrastructure is Minerva, a powerful supercomputer that is used for many initiatives, including the storage and analysis of DNA and plasma samples from more than 27,500 individuals in Mount Sinai’s biobank, or BioME.

Kenneth L. Davis, MD, Chief Executive Officer and President of the Mount Sinai Health System, said Mount Sinai understands the importance of collecting comprehensive patient health records, and is also using Minerva to help control readmissions and the other drivers of health care costs.

Summit participants agreed that sharing data across institutions would ultimately benefit patients, but they noted challenges that exist today. David Artz, MD, Chief Medical Information Officer at Memorial Sloan-Kettering Cancer Center, said, “Not all data is good data, and not all data is standardized. Sometimes the problem is how well you asked the patient a question, or how well the answer was coded.”

Jim Peters, Founder and Chief Executive Officer of MedMinning, a Geisinger Health System unit that licenses HIPAA-compliant, de-identified EHR data extracts to promote research, said electronic health records may only capture a patient’s health profile, but not necessarily his or her behaviors.

The “holy grail,” said Dr. Schadt, will be when patients and their physicians have a meaningful discussion about the information they have, and use it to impact their decision-making.

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Roosevelt Hospital Tests New Treatment for Brain Aneurysms

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Hyman-Newman Institute for Neurology and Neurosurgery. Dr. Fifi says the FRED™ device “was designed to treat aneurysms that were previously thought to be untouchable. It can be partially deployed, retrieved, and accurately repositioned or redeployed to ensure the most precise placement, which we expect will result in improved outcomes for our patients.”

The trial’s co-investigators are Alejandro Berenstein, MD, Director of the Hyman-Newman Institute for Neurology and Neurosurgery, and Srinivasan Paramasivam, MD, Attending Physician at the Hyman-Newman Institute.

MicroVention Inc., maker of the device, and sponsor of the 25-center, prospective, pivotal U.S. clinical trial, also manufactures a coil system to treat cerebral aneurysms. The new device, however, is targeted at patients whose aneurysms are large or oddly shaped, and particularly difficult to reach.

During the procedure, the physician positions a microcatheter across the entrance of the aneurysm. When the microcatheter is in place, the device is deployed across the entrance and expands to fit the wall of the artery. The microcatheter is then removed.

An estimated 6 million people in the United States have an unruptured brain aneurysm. As an aneurysm grows, the vessel wall becomes thinner and can weaken to the point of rupturing, causing bleeding around the brain. This situation can be fatal and requires immediate treatment.
Events

November Is National Palliative Care and Hospice Month
Meet members of Mount Sinai’s award-winning Palliative Care team, who will distribute literature, answer questions about how palliative care can help patients and families, and demonstrate massage and meditation techniques. Sponsored by the Lilian and Benjamin Hertzberg Palliative Care Institute.

Friday, November 22
11:30 am - 2:30 pm
The Mount Sinai Hospital Campus
Outside the Plaza Café

Grand Rounds

Neurology
Lawrence Steinman, MD, Professor, Neurology, Stanford University, presents “Janus Face of Amyloid Proteins in Multiple Sclerosis.”

Wednesday, November 13
8 – 9 am
The Mount Sinai Hospital Campus
Hess Center
Davis Auditorium

Grand Rounds

Department of Medicine
Nancy Keating, MD, MPH, Associate Professor, Healthcare Policy, Harvard Medical School, presents “Benefits and Harms of Breast Cancer Screening.”

Tuesday, November 19
8:30 – 9:30 am
Beth Israel Medical Center Campus
Bernstein Pavilion

Grand Rounds

Otolaryngology
Eric Smouha, MD, Professor, Otolaryngology, Director, Hearing and Balance Center, presents “Temporal Bone Trauma.”

Wednesday, November 27
6:30 – 8:10 am
The Mount Sinai Hospital Campus
Annenberg 13-01

Grand Rounds Anesthesiology
Manuel L. Fontes, MD, Professor, Anesthesiology, Duke University, presents “Postoperative Thrombocytopenia: Don’t Take Away My Antiplatelet Therapy.”

Wednesday, November 13
6:30 – 8:10 am
The Mount Sinai Hospital Campus
Annenberg 13-01

Second Annual SINA Innovations
This year’s event will focus on “Team Science.” Speakers and panelists will explore how teamwork promotes excellence in biomedicine, the performing and visual arts, sports, industry, and the military. Speakers include Nirav Shah, MD, MPH, New York State Commissioner of Health; Joseph Torre, Executive Vice President of Baseball Operations, Major League Baseball; Rear Admiral Scott P. Moore, Deputy Commander, Naval Special Warfare Command; Michael Crow, PhD, President of Arizona State University; Gary May, PhD, MS, Dean of the College of Engineering at the Georgia Institute of Technology; and Sara Diamond, PhD, President of OCAD University (formerly Ontario College of Art and Design). To register, view the program, or watch a live webcast of the event, visit http://icahn.mssm.edu/si.

Monday, November 18
7:30 am – 5 pm
Tuesday, November 19
7:30 am – 12:15 pm
Icahn School of Medicine at Mount Sinai
Stern Auditorium

Education

Lung Cancer CT Screening Saves Lives: Are You at Risk?
Leading Mount Sinai physicians discuss the importance of early diagnosis and state-of-the-art treatment options.

Tuesday, November 19
6:30 – 8:30 pm
Icahn School of Medicine at Mount Sinai

Second Annual New York Masters Course in Endocrine Surgery
This course will conduct an intensive review of key endocrine surgery topics, including basic and controversial topics in thyroid, parathyroid, adrenal, and pancreas surgery. To register or to learn more, visit www.mastersinendocrine.com. The Icahn School of Medicine at Mount Sinai designates this live activity for a maximum of 15.5 AMA PRA Category 1 Credit(s)™.

Friday, December 6, and Saturday, December 7
The Mount Sinai Hospital Campus
Hess Center