
At 10:45 p.m. Sunday night, before millions of viewers worldwide, the tremors ceased for Parkinson’s patient Greg Grindley for the first time in 10 years.

Broadcast live on the National Geographic Channel from OR 23 at University Hospitals Case Medical Center, the electrodes placed in both sides of Grindley’s brain through dime-sized holes in his skull by neurosurgeons Jonathan Miller, MD, and Jennifer Sweet, MD, were activated, halting the erratic movements that have punctuated life for the 49-year-old Stark County resident. “I couldn’t be more pleased,” said Dr. Miller, Director of UH’s Center for Functional and Restorative Neurosurgery, 75 minutes into the two-hour broadcast, hosted by Bryant Gumbel and seen live in 171 countries.

“Wow,” was the first reaction from Grindley, who first exhibited signs of the degenerative movement disorder during the end of his 20 years in the Navy, when his shaking right hand stilled for the first time. His wife, Crystal, watching with family and friends, had never seen her husband of three years without tremors. “God definitely has more in store for him,” she said.

Twitter exploded with 18,000 tweets using the hashtag #BrainSurgeryLive, with an estimated reach of 199 million. “Truly amazing,” “best program I’ve ever seen,” and “love how this program has people talking” were among the tweets during the worldwide broadcast that was translated into 45 languages.

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Continued from 1st page

Tweets came in many languages, including Spanish, French, Turkish and Indonesian during the historic broadcast, in partnership with Mental Floss. Grindley was awake throughout the procedure, communicating with neurologist Benjamin Walter, MD, Director of the Deep Brain Stimulation program, who listened to the neurons speaking to each other – a language that, along with a 3-D map of the brain, helped guide them to the “sweet spot” in Grindley’s brain.

Parkinson’s disease had not only ended Grindley’s career as an electrician but halted many of his hobbies, such as riding motorcycles. His brother, Aaron, was inspired by the success of this Deep Brain Stimulation procedure. “We’re going to ride,” declared Aaron Grindley. “Thank you University Hospitals and National Geographic. We couldn’t be happier.”

While DBS won’t cure Grindley’s Parkinson’s disease, it works to control his symptoms. “We never cure anybody,” Dr. Miller said. “All we do is set the stage for the brain to cure itself. Our goal in doing the operation is to allow that natural healthy balance to come back.”

Warren Selman, MD  Anthony Furlan, MD
Chairman, Neurological Surgery  Chairman, Neurology
Director, Neurological Institute  Co-Director, Neurological Institute

SEEKING PATIENT SUCCESS STORIES

Have you truly made a difference in a patient’s life? Has the treatment you provided enabled a patient to get back to doing the activities they enjoy, or get back to a fulfilling career? Help us feature those stories both within UH and beyond our hospital system by sending us those leads. Our communications team will follow up with the patients, write the stories, and see that they are shared via the UH intranet, placed on UHhospitals.org, and pushed out through our social media channels.

It is helpful if you or your staff make the initial request to the patient to obtain permission to share their story. Once you receive verbal permission, please send a few key details about the patient (their diagnosis, how you treated them, how they have successfully recovered, contact information, etc.) to CJ.Sheppard@UHhospitals.org and Barbara.Bryson@UHhospitals.org. We will reach out the patient and ensure that the proper HIPAA forms are signed. Thank you! We look forward to sharing your successes!

November, 2015

NEW HIRE
Ellen Krebs, RN, Pediatric Epilepsy Unit
Linnea Vanblarcum, RN, Stroke Coordinator, St. Johns Medical Center

SERVICE AWARDS
Kimberly Moore-Hobbs, Practice Manager is celebrating 15 years of service.

PROMOTIONS
Kimberly Cieszynski, has been promoted to Academic Education Coordinator for the Department of Epilepsy.
Tracy Grushcow has been promoted to Administrator II in the Departments of Neurology and Neurological Surgery. Tracy has over twenty years of experience in healthcare operations and management and has been working in the Neurological Institute since 2008.
Rebecca (Becky) Kahl has been promoted to Director of Operations of the Neurological Institute. She has over 17 years of experience in healthcare operations and management and joined the Neurological Institute in 1999.
Megan Louttit, has been promoted to Manager of Strategy and Outcomes.
Barbara Bryson has been appointed as the Neuroscience Nursing Center Administrator.

CERTIFICATIONS EARNED
Noreen Chase, Stroke Coordinator at UH Parma Hospital, completed her SCRN as a Stroke Certified RN.
If you are a service member, past or present, please join the Recruitment, Recognition, and Retention committee for a luncheon in your honor on Veteran’s Day 11/11/15. RSVP to April Julien at april.julien@uhhospitals.org by November 6th and make sure to tell me what branch you served in.

**R01 GRANTS FROM NIH GRANTS**

**Project Title:** Genetic and drug modulation of sonic hedgehog pathway in brain ischemia  
**Principal Investigator:** Yu Luo, PhD; **Co-Investigator:** Nick Bambakidis  
**Grant Number:** 1R01NS091213-01A1  
**Date:** 09/30/2015

**Project Title:** Repositioning Glitins for Parkinson’s Disease Treatment  
**Principal Investigator:** Barry J Hoffer, MD, PhD; **Co-Investigator:** Yu (Agnes) Luo  
**Grant Number:** 1R01NS094152-01

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**CENTERS OF EXCELLENCE**

University Hospitals Offers Leading Neurological Expertise Across 15 Centers of Excellence

At University Hospitals Neurological Institute, a team of nationally recognized experts deliver comprehensive, coordinated care for disorders of the brain and nervous system.

Recognized by U.S. News and World Report as one of the finest neurology and neurosurgery programs in the country, UH Neurological Institute delivers innovative, integrated and individualized care to patients with diseases affecting the nervous system at convenient locations throughout northern Ohio.

With 15 centers of excellence, UH Neurological Institute delivers individualized treatment, innovative techniques and access to some of the most innovative research designed to advance the science of neurological medicine.

For example, we are the only U.S. hospital offering multiple hippocampus transections as a surgical solution to eliminate seizures and effectively cure epilepsy. Also, we were the first in the world to test diaphragm pacing stimulation.

This technique can slow the rate of breathing failure in patients with amyotrophic lateral sclerosis (ALS) or Lou Gehrig’s disease.

**Innovative, Integrated and Individualized Care for Patients with Neurological Disorders**

University Hospitals Neurological Institute in Cleveland – the leading institute in Northeast Ohio – offers the full range of neurological and neurosurgical services at our primary location, UH Case Medical Center.

In addition, patients can be seen close to home at one of our many community medical and health centers.
We are proud to announce that St. John Medical Center has been approved for the Get With The Guidelines® - Stroke Gold Plus award. We have also qualified for recognition on the Target: Stroke Honor Roll-Elite. We are a part of an elite group of hospitals recognized by the American Heart Association/American Stroke Association. The award recognizes St. John Medical Center’s commitment and success in implementing a higher standard of stroke care by ensuring that stroke patients receive treatment according to nationally accepted standards and recommendations.

PROFESSIONAL PRESENTATIONS

Brian Appleby, MD presented on “Creutzfeldt-Jakob disease and other prion disease” during Grand Rounds, at the Intermountain Healthcare System, Department of Neurology, Salt Lake City, UT on October 14, 2015,

Maureen W. McEnery, PhD, Associate Professor, Dept of Neurology and Dept of Neuroscience will present to twenty-three A.P. Psychology Seniors at John Hay High School on December 17, 2015.

PUBLICATIONS


Luo Y, Hoffer A, Hoffer B, Xin Qi X. Mitochondria: A Therapeutic Target for Parkinson's Disease? Int. J. Mol. Sci. 2015, 16(9), 20704-20730


In honor of November being Epilepsy Awareness month, the Pediatric Epilepsy Department will host “Rainbow Epilepsy Day” on Monday, Nov. 16th. This event will be held in the Atrium from 11 a.m. -2 p.m.

Educational display boards will be presented on the following topics: What is this disease? Treatment options; the multidisciplinary approach to treatment, and information on our new onset epilepsy clinic and other handouts will be available.

Snacks and helmets will be distributed to children. You can find more information about this event on the UH Intranet, Rainbow Instagram, Rainbow Facebook, and Rainbow Twitter, and Cleveland.com.

For more information, contact Keionna Walker at Keionna.Walker@uhhospitals.org

What is epilepsy?
Epilepsy is a potentially controlled condition caused by abnormal electrical activities in the brain resulting in recurrent seizures.

What causes epilepsy?
In over half of cases there is no known cause. However, recurring seizures can be linked to head trauma, infection (meningitis, viral encephalitis, mumps, measles, and diphtheria), brain tumors, stroke, and poisoning and brain injuries to developing fetuses.

What are seizures?
A seizure is a disturbance in the electrical activity of the brain. About 10 percent of the American population will experience a seizure in their lifetime. Seizures may include muscle spasms, mental confusion, loss of consciousness and uncontrolled body movement.

How is epilepsy treated?
Most seizure disorders can be controlled partly or completely by
- Medication
- Surgery
- Diet

How can I help someone who is having a seizure?
Do:
- Protect the airways by gently turning the person on one side.
- Make sure the person is breathing.
- Remove hazards such as hard or sharp objects.
- Loosen tight clothing and remove glasses.
- Call an ambulance if the seizure lasts more than three minutes, or is immediately followed by another one, or if the person is pregnant, ill or injured.
- Let the person rest or sleep when the seizure ends.
EDUCATION OPPORTUNITIES GRAND ROUNDS SCHEDULE

Epilepsy Grand Rounds – Frohring Auditorium Room 105 in the Biomedical Research Building at CWRU 8 a.m.
Nov 2  David Friel, MD, Case Western Reserve University, Topic: Simple and Complex effects of P/Q Ca2+ channel mutations
Nov 9  Nicholas, Abend MD, Attending Physician, Division of Neurology, Director, Neurophysiology Lab, Medical Director, Clinical Neurophysiology, The Children’s Hospital of Philadelphia, Topic: EEG Monitoring in critically ill children
Nov 16 Suzette LaRoche, MD., Associate Professor, Neurology, Medical Director, Clinical Neurophysiology, Emory School of Medicine, Topic: ICUEEG Monitoring: Practical Aspects
Nov 23 Eli Mizrahi, MD, Chair, Department of Neurology, Professor of Neurology and Pediatrics Chief, Neurophysiology Service, St. Luke's Episcopal Hospital, Topic: Neonatal Seizures

Neurology Grand Rounds Kulas Auditorium 8 a.m.
Nov 6 Katie Maslow, Scholar in Residence, National Academics of Science, Engineering and Medicine, Institute of Medicine, Washington, DC, Topic: Living Well with Dementia: Connecting to Services that Make a Difference
Nov. 13 Lisa Rogers, DO, Medical Director, Neuro-Onology Program, Brain Tumor and Neuro-Oncology Center, Department of Neurology, UHCMC, Topic: Stroke in Cancer Patients
Nov. 20 TBA
Nov. 27 CANCELLED DUE TO THANKSGIVING

Neuromuscular Grand Rounds – Lerner Tower 2nd Fl., Room 2060 9:30 a.m.
Nov 6 CANCELLED – RESIDENT INTERVIEWS
EDUCATION OPPORTUNITIES GRAND ROUNDS SCHEDULE (cont’d from pg. 6)

Neurosurgical Clinical Conference – Hanna House 5th Floor, Room 537 7:15 a.m.
Nov 4  M & M Conference
   Topic: TBA

   Nov 11 TBA
   Topic: TBA

   Nov 18 TBA

Nov 25 7:15 a.m.  Neurosurgery Clinical Conference - TBA
          8:15 a.m.  Skills Laboratory – Hemicraniotomy - TBA
          4:00 p.m.  Journal Club - TBA

If you have any questions regarding department Grand Rounds schedule, please contact:
Lois Hengenius, Neurosurgery Clinical Conference, 216 844-3472
Michelle Post, Epilepsy Grand Rounds, 216 844-1764
Roberta Phelps, Neuromuscular Grand Rounds, 216 844-4854
Kim Puskus, Neurology Grand Rounds, 844-3194
Angel Warner, Pediatric Epilepsy Course 216-286-6562

LETTER OF THANKS TO DR. ALAN LERNER
This is a note of appreciation that is long overdue. Approximately ten years ago, my husband had a stroke following a heart cath at another hospital and life-flighted to University Hospital. You were called in to review his case.

During the month that followed, there were many complications and the whole experience was very traumatic for all of us. In spite of also having Acromegaly, heart and lung issues, he made a significant recovery from the stroke. In the years that followed he had additional health issues and died in September, 2011. Recently my son, who is very familiar with UH and Case Western Reserve College at the time, reminded me of the commitment and excellent care that you gave to all of us in the way you treated my husband.

That time was and still is, a blur for me, but I realize now that I never really thanked you for what you did for my husband and our family. Please know that we truly appreciate your being there and making a difference in our lives. Thank you and God bless you!

- From the Mason Family
NI SUPPORTED EVENTS - *Mark your calendars!*

2015 NEUROLOGICAL INSTITUTE STAR FEST – EMPLOYEE RECOGNITION
You and a guest are invited to attend the NI’s annual Star Fest event held at the Windows on the River on Friday, December 4, 2015 located at the Nautica Complex, 2000 Sycamore St, Cleveland, OH 44113

6:00 – 10 p.m. Registration, cocktails and Hors d’Oeuvre
7:00 – 8:00 p.m. Dinner & Awards Ceremony
8:00 – 10:00 p.m. Dancing and Mingling

Kindly RSVP to Matt Karpinski at (216) 844-3533 or by email at Matthew.Karpinski@uhhospitals.org

MEMBERS OF THE NI OUT AND ABOUT TOWN!

Dr. Alia Hdeib, Jennifer Jochum, Dr. Warren Selman and Dr. Krystal Tomei attended the 2015 Chiari & Syringomyelia Foundation on October 24, 2015.
BRAIN Initiative Human Research Opportunities

BRAIN Public-Private Partnership Program: Industry Partnerships to Facilitate Early Access to Neuromodulation and Recording Devices for Human Clinical Studies

**Applications Due: 11/18/2015; Full Applications Due: 4/26/2016**

- Partnerships between clinical investigators and manufacturers of the latest-generation implantable devices for human clinical research
- Template Collaborative Research Agreements to streamline agreements between academic institutions and manufacturers
- Pre-applications (PAR-15-345) for partnering with commercial manufacturers are optional.
- Full Proposals for Phased Translational-to-Clinical (RFA-NS-16-009) or Direct-to-Clinical (RFA-NS-16-010) Research

Research Opportunities using Invasive Recording/Stimulation in Humans (RFA-NS-16-008)

**Applications Due: 12/15/2015**

- Human research studies aimed at understanding brain function and disorders
- Take advantage of surgical settings using implantable stimulation and recording devices

Foundations of Non-Invasive Functional Human Brain Imaging and Recording - Bridging Scales and Modalities (RFA-MH-16-750)

**Applications Due: 1/6/2016**

- Studies to understand the biological basis and information content of contemporary non-invasive functional brain imaging techniques such as fMRI
- Bridge the gap between human neuroimaging signals and the underlying neural circuit events

Non-Invasive Modulation in the Human Brain

_In Planning – Stay Tuned!

More Information

Public-Private Partnership Program: braininitiative.nih.gov/BRAIN_PPP/
Funding Announcements: braininitiative.nih.gov/funding_active.htm
MEMBERS OF THE NI OUT AND ABOUT TOWN!

Catherine Harrigan, Dr. Krystal Tomei and Brianna Martinez attended the 2015 Chiari & Syringomyelia Foundation on October 24, 2015.

NI NEWSLETTER SUBMISSION INFORMATION

Next Print Date: December 1, 2015; Submission deadline: November 27th
Email: Barbara.Bryson@uhhospitals.org (216) 983-5741