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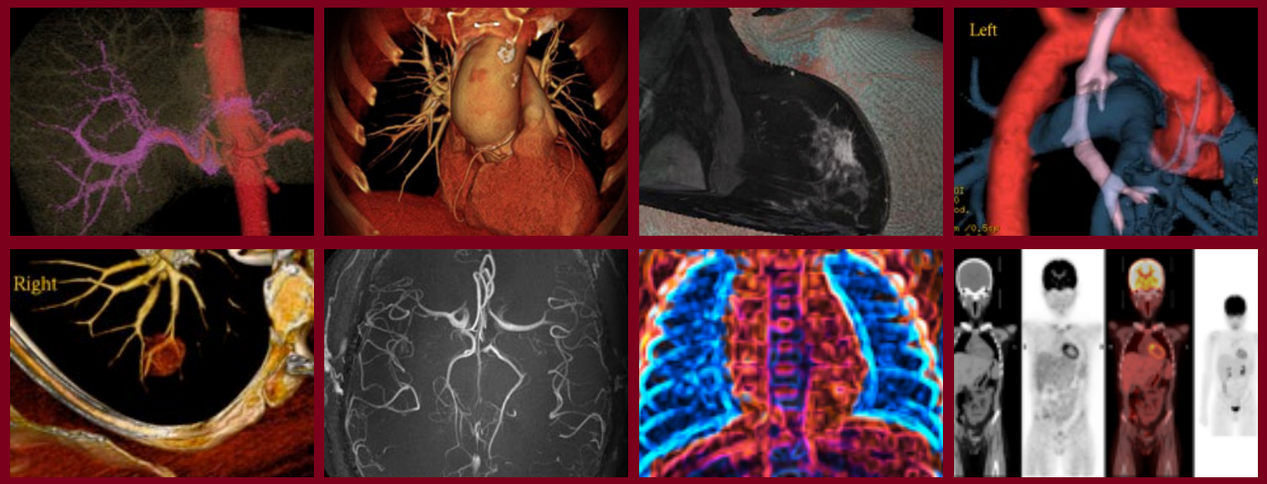

CME RADIOLOGY GRAND ROUNDS

"Transcranial MR Guided Focused Ultrasound Surgery for the Treatment of Movement Disorders"

W. Jeffrey Elias, MD
Associate Professor of Neurological Surgery and Neurology
Director of Stereotactic and Functional Neurosurgery
University of Virginia School of Medicine

Tuesday, September 4, 2012
7:30 AM - 8:30 AM
Li Ka Shing Center, Room LK130

**Coffee & Pastries will be served at 7:00 AM*

Course Directors: Sanjiv Sam Gambhir, MD, PhD
Andrei Iagaru, MD

ABSTRACT

Focused ultrasound (FUS) lesioning of the brain has been of interest since its inception in the 1950s, but it has never been accepted because of the limitations with sonicating through the intact human cranium. Recent advances in transducer technology have now enabled for precise transcranial focusing deep within the brain. High intensity focused ultrasound combined with MRI allows for a theoretically powerful technology where noninvasive lesioning can be performed deep within the brain with continuous clinical and radiographic monitoring. The application of this technology for the treatment of neurologic disorders will be presented including the results of a phase 1 clinical trial of FUS thalamotomy for the treatment of essential tremor.

Accreditation
The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation
The Stanford University School of Medicine designates this live activity for a maximum of 1.00 *AMA PRA Category 1 Credit(s)™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Cultural and Linguistic Competency
California Assembly Bill 1195 requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. The planners and speakers of this CME activity have been encouraged to address cultural issues relevant to their topic area. The Stanford University School of Medicine Multicultural Health Portal also contains many useful cultural and linguistic competency tools including culture guides, language access information and pertinent state and federal laws. You are encouraged to visit the portal: http://lane.stanford.edu/portals/cultural.html