

# WAYNE STATE UNIVERSITY

## The WSU Program for Traumatic Brain Injury Research

presents a Special Topic Seminar

### Arastoo Vossough, MD, PhD

Assistant Professor of Radiology, Children's Hospital of Philadelphia and Hospital of the University of Pennsylvania, Philadelphia, PA.

## SWI in Pediatrics: Applications and Challenges”

**Abstract:** Susceptibility-weighted imaging (SWI) has proven to be a valuable MR imaging sequence in a variety of applications. Pediatric imaging has also benefitted from this technique. In this presentation we will review pediatric neuroimaging applications in trauma, arterial and venous vascular disorders, hypoxic-anoxic injury, congenital malformations, congenital heart disorders, and pediatric degenerative disease. Use of SWI in pediatrics other than demonstrating hemorrhage and calcification will be reviewed. Challenges in the clinical use of SWI in pediatrics, interpretive pitfalls, and sources of clinical misinterpretation of SWI will also be explored. We will also briefly present our ongoing research and clinical use of SWI in pediatrics specially in the field of neuroimaging of congenital heart disease, and potentials for future collaborative investigations.

**Date:** Thursday September 20<sup>th</sup>, 2012

**Time:** 12:00pm – 1:00 pm

**Location:** Scott Hall – Blue Hall

540 E. Canfield, Detroit, MI 48201



For further information contact: Charbel Habib at 313-966-7433 Email: [chabib@med.wayne.edu](mailto:chabib@med.wayne.edu)