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## RADIATION: What You Don't Know Can Hurt



Friday, August 7, 2009  
7:30 AM - 12:00 PM

Spectrum Health Butterworth  
East Auditorium

## Program Overview:

The program involves presentations on the self-referral problem in diagnostic imaging, evidence-based imaging and its role in decreasing radiation exposure, the physics of radiation biology, CT radiation exposure, and the principles of ALARA.

## Program Objectives:

- Promote understanding of the effects of radiation on biological systems
- Learn the significance of evidence-based science on a selection of imaging procedures
- Educate attendees about the impact of appropriate utilization of imaging studies

## Faculty:

### David C. Levin, MD, FACR

Professor & Chairman Emeritus  
Thomas Jefferson University Hospital

### Aaron Sodickson, MD, PhD

Assistant Director of Emergency Radiology  
Brigham & Women's Hospital  
Harvard Medical School

### Charles R. Luttenton, MD, FACR

Section Chief of Emergency Radiology  
Clinical Professor of Radiology  
Michigan State University CHM

### Michael Brown, MD

Professor of Epidemiology & Emergency Medicine  
Director of the Division of Emergency Medicine  
Michigan State University CHM

### Bruce E. Hasselquist, PhD, RSO

Chief Medical Physicist  
Spectrum Health Hospitals

### Joseph Junewick, MD

Chairman of Radiology  
Spectrum Health Hospitals  
Clinical Associate Professor of Radiology  
Michigan State University CHM

## Agenda

7:30 AM	Registration and Continental Breakfast
8:00 AM – 8:15 AM	Introduction
C. Luttenton	
8:15 AM – 9:15 AM	<i>The Self-Referral Problem in Diagnostic Imaging: What Does the Evidence Show?</i>
D. Levin	
9:15 AM – 9:45 AM	<i>How Can Evidence-Based Imaging Decrease Radiation Exposure?</i>
M. Brown	
9:45 AM – 10:00 AM	Break
10:00 AM – 10:30 AM	<i>Physics of Radiation Biology</i>
B. Hasselquist	
10:30 AM – 11:15 AM	<i>CT Radiation Exposure: A Drop in the Bucket? What Does It All Mean for My Patients?</i>
A. Sodickson	
11:15 AM – 11:45 AM	<i>ALARA (As Low As Reasonably Achievable)</i>
J. Junewick	
11:45 AM - ?	Questions and Answers