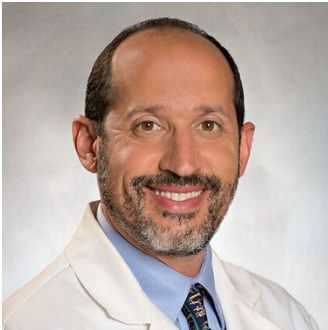




Adding Clinical Value with Dual Energy and Photon Counting CT



- ▶ Wed. March 26
- ▶ 12 Noon – 1 pm
- ▶ COM-T 2117

Dr. Sodickson will be presenting **in person**, but for those you can't join us, here is the Zoom Link: <https://arizona.zoom.us/j/89176474575>

Text Attendance Code **49847** to (866) 327-3062

Aaron Sodickson, MD, PhD, FASER, FACR is Associate Professor of Radiology at Harvard Medical School. He is the Medical Director of Mass General Brigham Enterprise Emergency Radiology, and is Past President of ASER, the American Society of Emergency Radiology. He is the founder/director of CACTI, the Center for Advanced CT Translation and Innovation. His research and administrative efforts include: Emergency Radiology practice management; CT technology assessment and innovation; CT protocol optimization for image quality, radiation dose, and workflow efficiency; Dual Energy CT and Photon Counting CT

Session Objectives:

- 1) Demonstrate tried and true Dual Energy CT applications in Emergency Radiology
- 2) Explain how Photon Counting CT is different from conventional CT
- 3) Explore areas where PCCT can add clinical value

Abstract:

Dual Energy CT (DECT) enables material characterization beyond traditional x-ray attenuation, creating opportunities to improve detection and characterization of pathology, and to reduce radiation exposure and downstream imaging utilization. Photon counting CT (PCCT) is a recent major step forward in CT detector technology that surpasses the capabilities of traditional “energy-integrating” detectors, promising benefits in image resolution, radiation dose/image quality, and spectral capabilities. Following brief descriptions of the enabling technology, multiple use cases will be presented that demonstrate opportunities for added clinical value enabled both by DECT and PCCT.

ACCREDITATION STATEMENT

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