

# RADIATION SAFETY & ACR ACCREDITATION

## RADIATION SAFETY

In the interest of providing excellent patient care, x-ray imaging at the department is always done with the ALARA principle (As Low As Reasonably Achievable). CT imaging protocols at the department use specialized software such as CareDose4D, Auto mA, and Care kV to reduce patient dose without compromising diagnostic image quality. Imaging protocols for various body parts have been optimized and standardized

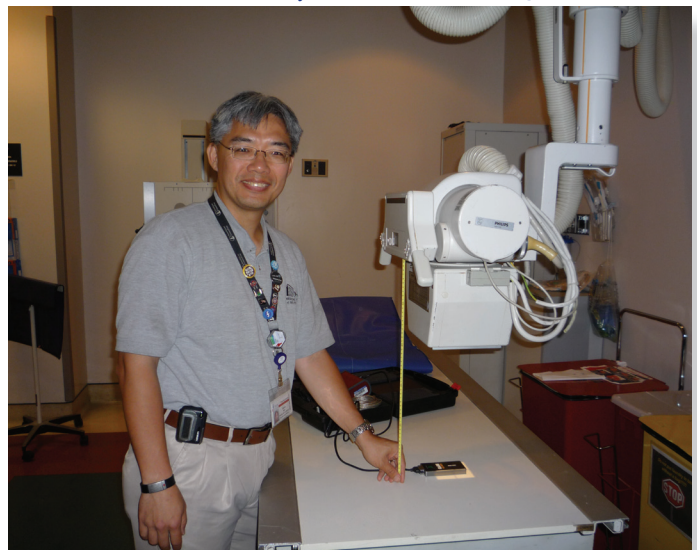
on all CT scanners across campus to help achieve consistent image quality. Special care is taken to ensure that pediatric patients are imaged with the lowest possible doses that can yield diagnostic images. The department closely follows the guidelines recommended by the “**Image Wisely**” (adult imaging) [www.imagewisely.org](http://www.imagewisely.org) and “**Image Gently**” (pediatric imaging) <http://imagegently.dnnstaging.com/>



Melissa Dutton, Randal Hinson, Sameer Tipnis, PhD, DABR

**ACR ACCREDITATION** High quality imaging requires well-maintained equipment and strict quality control by technologists. The department is fully accredited via the ACR (CT, MR, Mammography) and ICANL (Nuclear Medicine). All x-ray producing units, MRI machines, Mammography units, and nuclear medicine scanners have dedicated daily and routine QC tests and are monitored for any deviation from set performance limits. To ensure that they are operating properly, these units are rigorously tested for their radiation output and image quality by board certified medical physicists.

<http://www.acr.org/Quality-Safety/Accreditation>



Eugene Mah