

Imaging refresher for standard of care radiation therapy:

MRI review: A Handout

On-line educational resources

Radiopeadia - A good series of images - in particular artifacts that are common, as well as sample cases are available.

<http://radiopaedia.org>

IMAIOS – an e-learning website for medical professionals. Good basic MRI section, also has some interesting anatomy modules.

<http://www.imaios.com/en/e-Courses/e-MRI/>

Text resources

“Essential Physics of Medical Imaging” is a great text – steps through the basics with lovely graphics and clear descriptions. A wonderful place to start, or to return to for a quick memory-jog.

JT Bushberg, JA Seibert, EM Leidholdt and JM Boone, *The essential physics of medical imaging*. Baltimore: Lippincott, Williams and Wilkins, 2011.

“Spin dynamics” If you are looking for something to truly explain spin physics and how RF pulses are absorbed and released at a more serious level this is a wonderful text to step you through it.

M Levitt. *Spin dynamics: Basics of Nuclear Magnetic Resonance* Wiley, 2008.

“The green book” is what we have always called this classic on MRI – I have not yet the read the new edition but the original was wonderful, and if you are interested in MRI this is the best place to get an in depth picture well beyond on-line animations.

RW Brown, EM Haacke, MR Thompson, N Cheng, R Venkatesan. *Magnetic resonance imaging: physicsl properties and sequence design*. Wiley, 2014.

Live educational events

If you are truly interested in learning as much as possible about the role of MRI in radiation therapy, I strongly suggest you consider attending an event like this.

<http://radonc.wustl.edu/mrinrt/>

While this was just held very recently, I imagine they will hold the course again in a year or two. You can always feel free to contact the course directors about future events.