

## Radiology Program Objectives

At the conclusion of the **Body Imaging** program, participants will be able to:

- Learn principle and technique of MRI and MR Elastography of Liver
- Recognize classic benign, intermediate and malignant liver entities
- Understand the strengths/benefits of female pelvic floor MRI and ultrasound
- Learn utility of ultrasound and MRI of male GU system
- Understand principles of PET MRI
- Discuss imaging technique for rectal cancer staging and restaging
- Review Advanced MR Imaging Techniques for Pancreatitis
- Review bariatric surgical techniques

At the conclusion of the **Neuroradiology** program, participants will be able to:

- Understand the utility of radiology report language standardization in the development of automated workflow and machine learning
- Appreciate enormous potential for brain mapping, diffusion tractography, and functional neurosurgery to change neuroradiology practice
- Recognize common but under-appreciated specific MRI correlates to lower back pain, develop approach for assessment of instrumented spine, and add value in spine oncology cases
- Learn utility of imaging evaluation for head/neck tumor detection, staging, and post-operative assessment, including discussion of common pitfalls.
- Develop an approach for evaluation of temporal bone disease, pulsatile tinnitus, and facial nerve disorders
- Learn imaging assessment of skull base and cranial nerve pathologies, with reinforcement by using case-based examples.
- Review role of advancing imaging and intervention in ischemic and hemorrhagic stroke management.