

PTY 723 : Medical Imaging for Physical Therapists

In a doctoring profession a critical understanding of medical imaging and its use in differential diagnosis is necessary. This course will focus on: developing an understanding of the basic physics of medical imaging modalities, the medical indications of the particular medical imaging modalities, the specific imaging techniques, developing basic skills in the interpretation of medical images, the implications for physical therapy practice. Specific imaging techniques will include: Radiography, Fluoroscopy, CT Scan, MRI, Nuclear Medicine, and Sonography. This course will be divided into four areas and center around extensive film review. The four areas are Basic Physics of Medical Imaging, Imaging and the Musculoskeletal System, Imaging and the Neurological System, and Imaging of the Cardiac and Pulmonary Systems. This course will be image intensive, i.e., the student will be expected to spend a significant amount of time viewing images.

Credits 2