

## MIM 599 : Medical imaging for pharmacists

This course will discuss the principles and applications of medical imaging in patient care. Great emphasis will be on radiopharmaceuticals and nuclear medicine imaging (SPECT and PET) but other imaging technologies such as; MRI, ultrasound, x-ray, mammography and CT scan will be discussed briefly. These technologies are applied greatly in diagnosing various disease states such as; infectious diseases, cancer, cardiovascular, hepatobiliary, renal and neurological disorders. The emerging role of molecular imaging using PET and SPECT in selecting patients for personalized medicines for cancer as well as monitoring response to these new therapies will be also discussed.

**Credits 3**