

FDITE27 Fundamentals of isotope diagnostics

Description:

During the course students will be acquainted with the history of nuclear medicine, the basic principles of physics, chemistry, and measurement technics, and the possible clinical applications.

Topics:

The history of nuclear medicine

Physical basis of NM

Radiopharmacology, Chemistry

Nuclear medicine instrumentation and measurement systems

Diagnostic applications

Therapeutics

Literature:

H-J. Biersack, L.M. Freeman (eds.): Clinical Nuclear Medicine, Springer-Verlag 2007, ISBN 978-3-540-28025-5

R. Hustinx, K Muylle (eds.): European Nuclear Medicine Guide, EANM, ISBN 978-90-78876-13-7