

FDITE35 Nuclear medicine in oncology

Description:

During the course students will be acquainted with the most common nuclear medicine imaging techniques and therapies used in oncology. According to the tumours of the different organ systems will be discussed in detail.

Topics:

Hybrid imaging techniques in nuclear medicine
PET/CT imaging in tumour diagnostic
PET/CT in lymphomas
Nuclear medicine diagnostics in dermatological tumours
Tumours of the skeleton and soft tissues
Neuroendocrine tumours
Brain tumours
Head and neck tumours
Tumours of the thyroid gland
Lung and mediastinal neoplasia
Gastrointestinal tumours
Breast and gynecological malignancies
Urogenital tumours
Radioiodine treatment of the thyroid
Treatment of bone metastases
Neuroblastoma and pheochromocytoma treatment
Peptide receptor radionuclide therapy
Therapy of prostate cancer
Selective radioembolisation of liver tumours

Literature:

C. Aktolm, S.J. Goldsmith: Nuclear Oncology, Lippincott Williams&Wilkins, 2014, ISBN 978-1451186857