2023

den As a Predictor of Chronic Thromboembolic Pulmonary Hypertension After Acute Pulmonary Embolism: A Cohort Study

- D-dimer

99mTc-DMSA 99mTc-GHA

pact of Wolfmet Tungsten Alloys as Parallel-Hole Collimator Material on Single-Photon Emission Computed Tomography Image Quality and Functional Parameters: A Simulating Medical Imaging Nuclear Detectors Monte Carlo Study

2022

uation of the Radiobiological Models Predicting the Radiation-Induced Hypothyroidism in the Partially Irradiated Thyroid Gland of Patients with Breast Cancer

Computational simulator that calculates tumor control probability in a tumor heterogeneously irradiated for fractionated radiation oncology treatments

analysis of optimum photon energy spectra and beam parameters for iodine nanoparticle-aided orthovoltage radiation therapy of brain tumors

A systematic review of the therapeutic effects of resveratrol in combination with 5-fluorouracil during colorectal cancer treatment: with a special focus on the oxidant, apoptotic, and anti-inflammatory activities

celerated brachytherapy with the Xoft electronic source used in association with iodine, gold, bismuth, gadolinium, and hafnium nano-radioenhancers

2021

sis of physical dose enhancement in nano-scale for nanoparticle-based radiation therapy: a Cluster and endothelial cell model

Preparation, biodistribution and dosimetry study of Tc-99m labeled N-doped graphene quantum dot nanoparticles as a multimodular radiolabeling agent

Imaging properties of Fe3O4@Au and Fe3O4@Bi hybrid nanocomposites as contrast agents in spectral X-ray computed tomography: A Monte Carlo simulation study

2020

scale dosimetric consequences around bismuth, gold, gadolinium, hafnium, and iridium nanoparticles irradiated by low energy photons

Investigation of imaging properties of novel contrast agents based on gold, silver and bismuth nanoparticles in spectral computed tomography using Monte Carlo simulation

paration and characterization of silicon-based composites doped with BaSO4, WO3, and PbO nanoparticles for shielding applications in positron emission tomography (PET) and nuclear medicine facilities

A review on neutron shielding performance of nanocomposite materials

2019

stigation of fast neutron shielding properties of new polyurethane-based composites loaded with B4C, BeO, WO3, ZnO, and Gd2O3 micro- and nanoparticles

Studying the lung dose uncertainty during chest CT scans using phantoms with statistical lung volumes and shapes

2018

elding properties of the ordinary concrete loaded with micro- and nano-particles against neutron and gamma radiations

IEW ON THE RADIATION THERAPY TECHNOLOGIST RECEIVED DOSE FROM INDUCED ACTIVATION IN HIGH-ENERGY MEDICAL LINEAR ACCELERATORS

AN ANALYSIS OF OPERATING PHYSICIAN AND PATIENT RADIATION EXPOSURE DURING RADIAL CORONARY ANGIOPLASTIES

ew on the dosimetrical and radiobiological prediction of radiation-induced hypothyroidism in radiation therapy of head-

and-neck cancer, breast cancer, and Hodgkin's lymphoma survivors

elding properties of the ordinary concrete loaded with micro- and nano-particles against neutron and gamma radiations

2017

A study on the imaging characteristics of Gold nanoparticles as a contrast agent in X-ray computed tomography