

## مقالات سال ۲۰۲۲

- ❖ *The role of radiogenomics in the diagnosis of breast cancer: a systematic review. Egyptian Journal of Medical Human Genetics*
- ❖ *Brain pathological changes during neurodegenerative diseases and their identification methods: How does QSM perform in detecting this process? Insights into Imaging*
- ❖ *Early differentiation of neurodegenerative diseases using the novel QSM technique: what is the biomarker of each disorder? BMC Neuroscience*
- ❖ *In vitro evaluation of the intensifying photodynamic effect due to the presence of plasmonic hollow gold nanoshells loaded with methylene blue on breast and melanoma cancer cells. Photodiagnosis and Photodynamic Therapy*
- ❖ *Green synthesis of glucose-coated gold nanoparticles for improving radiosensitivity in human U87 glioblastoma cell line. Nanomedicine Journal*
- ❖ *Hyaluronic acid-coated ultrasmall BiOI nanoparticles as a potentially targeted contrast agent for X-ray computed tomography. International Journal of Biological Macromolecules*
- ❖ *Modified Bismuth Nanoparticles: A New Targeted Nanoprobe for Computed Tomography Imaging of Cancer. Cell Journal*
- ❖ *The Evaluation of Contrast-to-Noise Ratio in CT Images Using Different Parameters of Gold Nanoparticles versus Omnipaque. Frontiers in Biomedical Technologies*
- ❖ *A Proposed Methodology for Magnetic Resonance Images' Geometrical Distortion Correction Intended to Use for Radiotherapy Planning Using a Large Inhouse Field of View. Iranian Journal of Medical Physics*
- ❖ *DNA double-strand break repair and adaptive responses of low-dose radiation in normal and tumor lung cell lines. Mutation Research - Genetic Toxicology and Environmental Mutagenesis*
- ❖ *Flow cytometric assessment of DNA double-strand break and repair kinetics in prediction of intrinsic radiosensitivity. Iranian Journal of Basic Medical Sciences*

- ❖ *Evaluation of Patient Set Up Errors in Head and Neck Three-Dimensional (3D) Conformal and Intensity-Modulated Radiotherapy Using Electronic Portal Imaging Device. Iranian Journal of Medical Physics*
- ❖ *Classification of drug-naïve children with attention-deficit/hyperactivity disorder from typical development controls using resting-state fMRI and graph theoretical approach. Frontiers in Human Neuroscience*
- ❖ *A whole-thermoplastic microfluidic chip with integrated on-chip micropump, bioreactor and oxygenator for cell culture applications. Analytica Chimica Acta*
- ❖ *Surface modification of gold nanoparticles with 6-mercapto-1-hexanol to facilitate dual conjugation of protoporphyrin IX and folic acid for improving the targeted photochemical internalization. Iranian Journal of Basic Medical Sciences*
- ❖ *Urolithins increased anticancer effects of chemical drugs, ionizing radiation and hyperthermia on human esophageal carcinoma cells in vitro. Tissue and Cell*
- ❖ *Evaluation thyroglobulin level during suppressive therapy measured by ultrasensitive technique in the prediction of excellent response in patients with differentiated thyroid cancer. Iranian Journal of Nuclear Medicine*
- ❖ *Comparison of Radioprotective Effects of Colloidal Synthesis of Selenium Nanoparticles in Aqueous Rosemary Extract and Rosemary in Chinese Hamster Ovary (CHO) Cells. Journal of Nanostructures*
- ❖ *Nanofibrous polycaprolactone/chitosan membranes for preventing postsurgical tendon adhesion. Journal of Biomedical Materials Research - Part B Applied Biomaterials*
- ❖ *Evaluating the efficacy of photodynamic therapy with indocyanine green in the treatment of keloid. Photodiagnosis and Photodynamic Therapy*
- ❖ *Radiation Dose and Image Quality in Various Examinations and Imaging Modes of Dentomaxillofacial Cone Beam Computed Tomography. Iranian Journal of Medical Physics*
- ❖ *Dosimetric verification of IMRT and 3D conformal treatment delivery using EPID. Applied Radiation and Isotopes*
- ❖ *Features of the superficial white matter as biomarkers for the detection of Alzheimer's disease and mild cognitive impairment: A diffusion tensor imaging study. Heliyon*

- ❖ *The Role of Crocetin-Loaded PLGA Nanoparticles as a Pre-Treatment Agent on Indocyanine-Photodynamic Therapy of Breast Cancer Cell. Iranian Journal of Medical Physics*
- ❖ *Time-Dependent Induction of the Nucleotide Excision Repair Gene XPA and RAD51 in Homologous Recombination in Human Lymphocytes Exposed to Low Doses of Ionizing Radiation. Iranian Journal of Medical Physics*
- ❖ *Evaluation of ultra-small iron oxide nanoparticles as T 1-weighted MRI contrast in cancerous tissues: a meta-analysis. Clinical and Translational Imaging*
- ❖ *Monitoring of the choline/lipid ratio by 1H-MRS can be helpful for prediction and early detection of tumor response to nano-photo-thermal therapy. Lasers in Medical Science*
- ❖ *Specified iron oxide nanoparticles by PSMA-11 as a promising nanomolecular imaging probe for early detection of prostate cancer. Applied Nanoscience (Switzerland)*
- ❖ *Evaluation of dose distribution of an intraoperative radiotherapy device using thermoluminescent dosimeters and radiographic films. Reports of Practical Oncology and Radiotherapy*
- ❖ *Comparison of machine learning methods for the detection of focal cortical dysplasia lesions: decision tree, support vector machine and artificial neural network. Neurological Research*