

Journal of Radiology and Oncology

Volume - 1, Issue - 2

Case Report

Published Date:-2017-08-21 00:00:00

[Photon Absorption characteristics of some selected Enzyme Inhibitors used in Cancer Research in the Energy range 1 keV-100 GeV](#)

The absorption parameters such as total mass attenuation coefficients, molecular, atomic, and electronic cross sections, effective atomic numbers and electron densities were calculated for some selected enzyme inhibitors in the photon energy range from 1 keV up to 100 GeV. The changes in the absorption parameters were interpreted with the photoelectric effect, Compton scattering and pair production processes. It is observed that the 2-Imino-1-imidazolidineacetic acid enzyme inhibitor has more radiation shielding feature when compared to other chosen enzyme inhibitors. The present investigation is anticipated to be useful for researchers studying with radiation in several fields and cancer researchers.

Case Report

Published Date:-2017-07-27 00:00:00

[Radiological evaluation of a Chondromyxoid Fibroma](#)

Chondromyxoid fibroma (CMF) is a very rare benign cartilaginous tumor representing less than 0.5% of all bone tumors while also being the rarest cartilaginous bone tumor. Common locations of occurrence include the metaphyseal region of the proximal tibia and distal femur. We report a case of a 10-year-old female affected by a CMF of the left lower tibia. The radiological features demonstrated by X-ray and magnetic resonance imaging (MRI) are discussed.

Case Report

Published Date:-2017-06-26 00:00:00

[Time to Terminate LNT: Radiation Regulators Should Adopt LT](#)

The linear no-threshold hypothesis (LNT)-the basis of radiation regulatory policy-extrapolates from observed high-dose harm to assumed low-dose harm, entailing that all ionizing radiation is harmful, by denying any biological response to damage and asserting cumulative lifetime harm, regardless of dose or dose rate. All aspects of LNT are demonstrably false. There are evolved biological responses that repair or remove radiogenic damage from low doses and dose rates, thereby averting acute harm and precluding the alleged cumulative damage. LNT and its offspring, the "as low as reasonably achievable" principle, do not err on the side of caution; neither is truly conservative. The public needs protection from radiophobia, rather than from low-dose radiation exposure. Neither radiation regulations nor medical practice should be based on LNT, but rather, at least as a first step, on a linear (down to a) threshold (LT) model.

Editorial

Published Date:-2017-05-04 00:00:00

[Metallic Ureteric Stents a cost-effective alternative in the management of Obstructed Distal Ureters](#)

Management of obstruction of the distal-pelvic ureters by minimally invasive procedures such as antigrade or retrograde double "J" stents has generally been unsatisfactory. Corrective surgical procedures mandate long hospitalization, hence high cost, and have a moderate incidence of complications.
