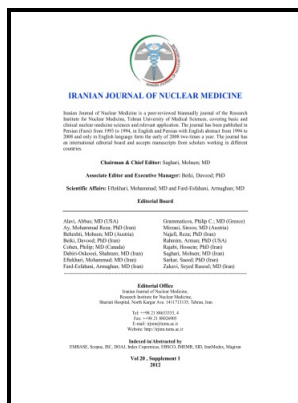


Determination of calibration factors for I-131 mIBG radionuclide therapy

- - Setting up a quantitative SPECT imaging network for a European multi



Description: -

-Determination of calibration factors for I-131 mIBG radionuclide therapy

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Notes: Thesis (M.Sc.) - University of Surrey, 1997.

This edition was published in 1997



Filesize: 10.45 MB

Tags: #Expanded #Access #Protocol #Using #131I

Dosimetry for 131I

ESTAR, PSTAR and ASTAR: computer codes for calculating stopping-power and range tables for electrons, protons and helium ions, National Institute of Standards and Technology Report NISTIR 4999. Inter-comparison of quantitative imaging of lutetium-177 177Lu in European hospitals.

I

Note Two to three hours prior to use, thaw the vial in the leaded container, at room temperature. Phantom inserts were designed based on the images of the first patient that received 131I treatment and further dosimetry scans. Excretion is primarily by the kidneys.

I

Further studies are required to collect data to establish absorbed dose thresholds and good standards of practice for individualised molecular radiotherapy MRT planning. Abdo-Man: a 3D-printed anthropomorphic phantom for validating quantitative SIRT. All SPECT images were reconstructed centrally at Site A using HERMES Hybrid Recon Hermes Medical Solutions, Stockholm, Sweden reconstruction software.

I

Resolution recovery methods, for example through detector collimator response modelling, were not used due to the image artefacts that lead to increased counts at the edge of objects Kangasmaa et al.

Standardised quantitative radioiodine SPECT/CT Imaging for multicentre dosimetry trials in molecular radiotherapy

The resolving times for use with the non-paralysable model are given in table. Zimmerman BE, Grosev D, Buvat I, Coca Perez MA, Frey EC, Green A, et al.

Setting up a quantitative SPECT imaging network for a European multi

The covariance and standard errors associated with the fit parameters β and γ were used in the uncertainty estimation calculations at validation section. The true count rates R_T at higher activities were extrapolated linearly from the first five measured counts rates R_M at activities below 100 MBq.

I

Iodine-131-metaiodobenzylguanidine dosimetry in cancer therapy: risk versus benefit. Normal biodistribution and excretion of Iobenguane sulfate I 131 leads to localization in adrenergic storage granules of the adrenal gland. This report highlights the method we adopted to achieve the above objective.

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