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Computerized axial tomography; Concentration; Confidence interval; Conjugate views; Constraints; Contour; Contrast; Contrast agent; Contrast medium; Convolution; COR; Coregistration; Coronal
Correlation coefficientCost function; Count rate; Counter; Counting efficiency; Counts per minute; Counts per second; Cow; cpm; cps; Cross calibration; CT; CT number; Curie; Cutoff frequency; CV; Cycles per second; Cyclotron; D; DAR; Decay; Decay constant; Derivative; DICOM; Differential absorption ratio; Differential uptake ratio; Diffuse; Disintegration constant; Disintegration rate; Disintegrations per minute; Disintegrations per second; Distal; Distribution; Distribution activity ratio; Distribution function; Distribution volume; Dorsal; Dose; Dose calibrator; Dose equivalent; Dose rate
dpmdps; Dual-time scan; DUR; Dynamic range; Dynamic scan; E; EDV; Effective half-life; Ejection fraction; Electron; Electron volt; Electronic collimation; Elution; Emission scan; End diastolic volume; End systolic volume; Energy; Equivalent dose; Equivalent time; ESV; eV; Exponential; Exposure; Extraction fraction; Extravasation; F; FDG; Fiducial marker; Field of view; Filter; Filtered backprojection; Flood field; Flood image; Flood source; Fluorodeoxyglucose; Focal; Fourier analysis; FOV; Frame; Frequency; Full width at half maximum; Functional imaging; Fused image; FWHM; G; Gamma
Gamma cameraGamma radiation; Gantry; Gate; Gated scan; Gaussian; Gaussian distribution; Generator; Geometric mean; Gjedde-Patlak plot; Glucose level; Gray; Gray scale; H; Half-life; Header tag; Histogram; Horizontal long axis; Hot spot; Hounsfield unit; HU; Hybrid imaging; I; ID; Identifiability; Image; Image feature; Imaging phantom; Inferior; Influx constant; Infusion pump; Infusion rate; Injected dose; Input function; Integral; Intercept; Ionizing radiation; Isocontour; Isotope; Iteration; Iterative reconstruction; JK; JPEG; Kinetic analysis; L; Label; Lateral; Least squares; Ligand
Line of response

Sommario/riassunto

The rapidly growing and somewhat complex area of nuclear medicine imaging receives only limited attention in broad-based medical dictionaries. This encyclopedic dictionary is intended to fill the gap. More than 400 entries of between one and three paragraphs are included, defining and carefully explaining terms in an appropriate degree of detail. The dictionary encompasses concepts used in planar, SPECT, and PET imaging protocols and covers both scanner operations and popular data analysis approaches. In spite of the mathematical complexities in the acquisition and analysis of images, the explanations given are kept simple and easy to understand; in addition, many helpful concrete examples are provided. Nuclear Medicine Imaging: An Encyclopedic Dictionary will be ideal for those who wish to obtain a rapid grasp of a concept beyond a definition of a few words but do not want to resort to a time-consuming search of the reference literature. The almost tutorial-like style accommodates the needs of students, nuclear medicine technologists, and varieties of other medical professionals who interface with specialists within nuclear medicine.