

1. Record Nr.	UNINA9910780780103321
Autore	Chandra Ramesh <1938->
Titolo	Nuclear medicine physics : the basics / / Ramesh Chandra
Pubbl/distr/stampa	Philadelphia, Pennsylvania : , : Lippincott Williams & Wilkins, , 2004 ©2004
ISBN	1-4698-7577-2
Edizione	[Sixth edition.]
Descrizione fisica	1 online resource (253 p.)
Disciplina	616.07/575
Soggetti	Medical physics Nuclear medicine Radioisotopes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basic review -- Nuclides and radioactive processes -- Radioactivity : law of decay, half-life, and statistics -- Production of radionuclides -- Radiopharmaceuticals -- Interaction of high-energy radiation with matter -- Radiation dosimetry -- Detection of high-energy radiation -- In vitro radiation detection -- In vivo radiation detection : basic problems, probes, and rectilinear scanners -- In vivo radiation detection : scintillation camera -- Operational characteristics and quality control of a scintillation camera -- Detectability of final contrast in an image -- Emission computed tomography -- Biological effects of radiation and risk evaluation from radiation exposure -- Methods of safe handling of radionuclides and pertaining rules and regulations -- Appendix A. Physical characteristics of some radionuclides of interest in nuclear medicine -- Appendix B. CGS and SI units -- Appendix C. Exponential table -- Appendix D. Radionuclides of interest in nuclear medicine -- Appendix E. Organ masses of a standard man.