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# JNMT Bookshelf

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## PRINCIPLES AND PRACTICE OF NUCLEAR MEDICINE

Paul J. Early and D. Bruce Sodee, CV Mosby Co., St. Louis, 1984, 900 pp, \$59.95.

The authors, benefitting from the expertise of many contributors over the years, have produced an excellent teaching tool and reference text. Although clearly recognizable as an outgrowth of their popular editions of *Textbook of Nuclear Medicine Technology* and *Technology and Interpretation of Nuclear Medicine Procedures* (titled *Mosby's Manual of Nuclear Medicine Procedures* in its last edition), the inclusion of new technologies and techniques is apparent and treated with the same attention to detail as are the basic principles and longer established techniques. High quality images, illustrations, tables, appendices, and updated bibliographies further enhance this text.

As in their previous texts, Part One is devoted to the scientific principles of nuclear medicine. Educators and students will appreciate the authors' informative method of presentation. Of special note is the excellent chapter on computer fundamentals which handles the basic principles and nuclear applications in a highly informative and well-illustrated manner. In vivo and in vitro procedures are reviewed in Part Two.

Applicable anatomy, pathophysiology, techniques, and interpretations are covered in a thorough manner. Interspersed throughout the text are 71 laboratory applications; these detailed step-by-step procedures guide the reader through the performance of a multitude of in vivo and in vitro procedures, as well as radiopharmaceutical dose preparation and quality control. The special emphasis placed upon quality control of nuclear instrumentation, which includes G-M survey meters, dose calibrators, and scintillation detection systems—both planar and SPECT imaging—is beneficial. Where applicable, NEMA procedures have been reproduced and complement the many examples of normal and abnormal instrument response.

It is apparent that not only will this text serve as an excellent introduction to nuclear medicine, but will also prove invaluable as a reference source for the nuclear medicine community. Topical concerns such as establishment of an all encompassing quality control or radiation accident program are well documented. I recommend this text for its accessibility to the practitioner, educator, and student.

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