

NMT Bookshelf

BASIC SCIENCE PRINCIPLES OF NUCLEAR MEDICINE.

Charles M. Boyd and Glenn V. Dalrymple, eds, C.V. Mosby Company, St. Louis, 1974, 272 pp, \$21.

The efforts of ten people with a common goal are presented in this well-written text. Nine chapters are devoted to mathematical principles, physics, chemical principles, tracer principles, radiation biology, health physics, electronics, equipment, and computer applications in nuclear medicine.

Each chapter devotes its introductory remarks to those with limited knowledge in that subject and presents the basic principles. A very detailed overview is then given, with the author keeping in mind the application of methods to their clinical use. Excellent references direct the reader to more detailed information and readings.

The primary usefulness of this textbook will be

in nuclear medicine technology training programs. Most of the scientific areas are covered in some depth, and the author does not assume the reader is fully aware of the basic principles. For example, Chapter 4 on tracer principles deals with this difficult subject very nicely. Written by the editors, this chapter covers all of the various principles. The reader should be able to apply these in the development of his own procedure or revision of a procedure to suit the individual need. As stated by the authors, they "intend to present principles rather than an encyclopedia of specific techniques."

This long-needed text has been done very well. The editors and individual authors should be commended for a job well done.

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