

JNMT Bookshelf

FUNDAMENTALS OF NUCLEAR PHARMACY (second edition)

Gopal B. Saha, Springer-Verlag, New York, 1984, 287 pp, \$29.50.

The second edition of this book has been updated extensively to reflect changes in nuclear medicine, in particular, the development of new radiopharmaceuticals and imaging techniques. Notable additions include discussions about short-lived radionuclides, new radiolabeling techniques, and iatrogenic alterations in radiopharmaceutical biodistribution. Self-Instruction Units have been incorporated throughout the text. Moreover, current information about the structures of Tc-99m complexes and updated versions of NRC, FDA, and DOT regulatory requirements are included.

Brief discussions of new imaging procedures, such as GI bleeding detection, gastric emptying, and lymphoscintigraphy have been incorporated into the chapter entitled "Uses of Radiopharmaceuticals in Nuclear Medicine." The anatomical diagrams and diagnostic images used in this chapter are well chosen and illustrative, nicely supplementing the written text.

Six of the 12 chapters are devoted specifically to basic topics

in nuclear pharmacy—radionuclide generators, radiopharmaceutical design, radiolabeling of compounds, characteristics of specific radiopharmaceuticals, radiopharmaceutical quality control, and design and operation of a nuclear pharmacy. The addition of a section about scintillation imaging devices is a rather cursory overview of the subject and seems misplaced in a chapter dealing with radiopharmaceutical design and development. Perhaps this information is supplied to provide some continuity for readers not familiar with the clinical practice of nuclear medicine, as does other related but peripheral subject matter contained in the book.

Review questions and answers conclude each chapter. Ample references also appear at the end of each chapter. This book would serve nicely as an introductory nuclear pharmacy text for nuclear medicine technology students. It may be useful for experienced technologists and physicians, though it lacks certain practical specifics which these groups may seek when consulting a reference.

ANN M. STEVES, MS, CNMT
State University of New York
Buffalo, New York

Answer Sheet to Self-Assessment Quiz

- | | | | | |
|------|-------|-------|-------|-------|
| 1. c | 6. b | 11. c | 16. d | 21. a |
| 2. d | 7. b | 12. d | 17. b | 22. b |
| 3. d | 8. d | 13. c | 18. d | 23. c |
| 4. a | 9. d | 14. b | 19. c | 24. c |
| 5. a | 10. b | 15. d | 20. d | 25. c |