

<<口腔放射学>>

图书基本信息

书名：<<口腔放射学>>

13位ISBN编号：9780323030717

10位ISBN编号：0323030718

出版时间：2005-6

出版时间：Elsevier Science Health Science div

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页数：566

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## 内容概要

This comprehensive, well-established textbook presents the basic principles of clinical radiology. It's designed not only for students in dental hygiene and dental assisting programs, but for practicing hygienists and assistants who'd like a review for interpreting radiographs and troubleshooting errors. Describing techniques with step-by-step procedures and illustrations, the topics include: basic x-ray generation, image formation, film mounting, biologic effects of radiation, lesions, infection control, film processing and interpretation, intraoral and extraoral techniques, panoramic radiography, patient management, and legal considerations. Logical organization of topics presents the material in an efficient way for better comprehension and enhanced readability.

"Step-by-step" procedure boxes clearly illustrate the proper techniques for performing routine and complex radiographic procedures. Boxes highlight common errors encountered when dealing with radiographic technique and provide remedies for resolving the problem. Each chapter includes a content outline, educational objectives, and key terms. A comprehensive glossary is located at the back of the book for quick reference. The inclusion of tables, boxes, line art, and illustrations are important tools for student learning.

A two-color design makes the images more instructive, interesting, and appealing. Four new chapters are added: The dental x-ray machine, Quality assurance, Principles of interpretation, and The temporomandibular joint. The chapter on radiation protection is expanded to two separate chapters: Radiation protection for the patient and Radiation protection for the operator. The chapters on digital imaging and newer imaging systems are completely revised to include new cutting-edge imaging modalities such as computed tomography.

Chapters are now designed to accommodate one-hour lectures. New clinical photos, added color, and improved line drawings. Evolve website offers valuable instructor materials, such as a test bank of 350 questions (discussion, fill-in-the-blank, and multiple-choice), educational objectives, chapter outlines, and helpful teaching tips and strategies.

书籍目录

1 Ionizing Radiation and Basic Principles of X-Ray Generation, 2 The Dental X-Ray Machine, 3 Image Formation, 4 Image Receptors, 5 Biologic Effects of Radiation, 6 Patient Protection, 7 Operator Protection, 8 Film Processing: The Darkroom, 9 Infection Control in Dental Practice, 10 Intraoral Technique: The Paralleling Method, 11 Accessory Radiographic Techniques: Bisecting Technique and Occlusal Projections, 12 Panoramic Radiography, 13 Extraoral Techniques, 14 Radiography of the Temporomandibular Joint, 15 Digital Imaging, 16 Advanced Imaging Systems, 17 Quality Assurance, 18 Patient Management and Special Problems, 19 Film Mounting and Radiographic Anatomy, 20 Principles of Radiographic Interpretation, 21 Caries and Periodontal Disease, 22 Pulpal and Periapical Lesions, 23 Developmental Disturbances of Teeth and Bone, 24 Bone and Other Lesions, 25 Legal Considerations, Appendix, Glossary,

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