Radiographic Image Analysis

Kathy McQuillen Martensen

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Learn to produce the most accurate radiographic images on the first try with Radiographic Image Analysis, 4th Edition. This thoroughly updated guide walks you through the steps of how to carefully evaluate an image, how to identify the improper positioning or technique that caused a poor image, and how to correct the problem. For each procedure, there is a diagnostic-quality radiograph along with several examples of unacceptable radiographs, a complete list of radiographic evaluation guidelines, and detailed discussions on how each of the evaluation points is related to positioning and technique. Each unacceptable radiograph is accompanied by a description of the misaligned anatomical structures, how the patient was mis-positioned, and how to adjust technique to obtain an acceptable radiograph.

"The whole text is well presented." **Reviewed by** Jenny May on behalf of Radiography, July 2015

- **Poorly positioned example images** appear at the end of procedures to test your knowledge.
- ***Spotlights* concepts boxes** highlight the most important information as it appears in the chapters and directs readers to more information on these topics.
- **Chapter objectives, key terms, and outlines** help in mastering important concepts and information.

- **NEW! Expanded sections on pediatric, obesity, and trauma digital radiography** provides the most pertinent and up-to-date information needed for clinical success.
- **NEW! Reformatted content surrounding procedures** includes the following to help you identify correctly and incorrectly positioned patients:
  - accurately positioned projection with labeled anatomy
  - photograph of an accurately positioned model
  - table that provides a detailed one-to-one correlation between the positioning procedures and image analysis guidelines
  - discussion, with correlating images, on identifying how the patient, central ray, or image receptor were poorly positioned if the projection does not demonstrate an image analysis guideline
  - discussion of topics relating to positioning for patient condition variations and non-routine situations
  - photographs of bones and models positioned as indicated to clarify information and demonstrate anatomy alignment when distortion makes it difficult
  - practice images of the projection that demonstrate common procedural errors
- **NEW! Two-color design** helps you read and retain pertinent information.
- **NEW! Updated boxed material** summarizes important analysis details and provides a quick reference.
- **NEW! Highlighted table data** offers a new format to aid in the understanding of field size requirements using direct-capture digital radiography.

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From reader reviews:

Mike Munguia:

Have you spare time for any day? What do you do when you have considerably more or little spare time? Yep, you can choose the suitable activity intended for spend your time. Any person spent their own spare time to take a move, shopping, or went to the Mall. How about open or perhaps read a book titled Radiographic Image Analysis? Maybe it is for being best activity for you. You know beside you can spend your time with the favorite's book, you can cleverer than before. Do you agree with the opinion or you have additional opinion?

Suzanne Crider:

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