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With this single resource, you can access quality management and quality control information for all major imaging modalities! Updated with the latest changes in technology and federal regulations, *Quality Management in the Imaging Sciences* provides a thorough description of Quality Management and explains why it is so important to imaging technology. Step-by-step QM procedures include full-size evaluation forms, with instructions on how to evaluate equipment and document results. This book also helps you prepare effectively for the ARRT advanced certification exam in quality management. "...the book does give a good overview of quality in imaging and to physicists performing controls it will be a valuable handbook." Reviewed by Jonn Terje Geitung on behalf of *Journal of Acta Radiologica*, April 2015. Special icon identifies federal standards throughout the text to alert you to government regulations important to quality management. Updated material reflects content changes in the ARRT Quality Management Examination and better prepares you to pass the ARRT Advanced Level Examination in Quality Management. Includes QM for all imaging sciences so you can access QM information for all imaging modalities with just one resource. Step-by-step QM procedures offer instructions on how to evaluate equipment, and full-sized sample evaluation forms offer practice in documenting results. Strong pedagogy aids in comprehension. A practice exam on Evolve includes 200 randomizable practice exam questions for the ARRT advanced certification examination in QM, and includes answers with rationales. Student experiments on Evolve let you complete lab assignments and print out answers on a computer, and save instructors time because they do not have to create their own lab assignments. Instructor resources on Evolve make the text easier than ever for instructors to use. **NEW!** Updated quality management tools and procedures offer current practice guidelines and information. **NEW!** Coverage of new technologies, like cassette-based and cassette-less digital systems and wireless DR systems, helps improve familiarity with technological advances in radiography. **UPDATED!** Renovated Digital Image Receptors and Advanced Imaging Equipment chapter presents material more efficiently and includes the most current technology and practices. **EXPANDED!** Digital artifacts content increases familiarity with technological advances and adherence to necessary accreditation standards. **UPDATED!** Renovated Mammographic Quality Standard chapter reflects changes in technology and provides an overview of the latest technological practices. **NEW!** Content on CT exposure and the Image Gently program emphasizes safe and necessary imaging practices. **NEW!** Legislative content on Centers for Medicare and Medicaid Services (CMS), ICD-10 Coding, Health Information Exchanges, the Affordable Care Act, and MIPPA provides updates for legislative and relevant industry practices and concerns. **NEW!** Updated ACR accreditation requirements in CT and MRI improve practice compliance and understanding of necessary ACR accreditation requirement changes.

"This book addresses quality management and quality control in the imaging sciences, and imaging services in the health services. It gives an overview of management systems and places quality management in a setting of different management systems, regulations, management, and economy, and ways of evaluating quality." ed by Jonn Terje Geitung on behalf of *Journal of Acta Radiologica*, April 2015