

# DOWNLOAD PDF THE RADIOGRAPHY PROCEDURE AND COMPETENCY MANUAL

## Chapter 1 : Online eBook The Radiography Procedure and Competency Manual - Video Dailymotion

*These procedure checklists make it easy for everyone to do so. And, it's the perfect tool for helping students to learn to make the decisions that will produce the highest quality radiographs while considering the needs and limitations of the patient.*

Close attention should consistently and repeatedly be paid to all the details of each exam until the student is able to perform all required tasks autonomously. Because all requirements are outlined, this text provides the program with a method for achieving higher efficiency and more consistency among multiple instructors and evaluators. All evaluators are required to complete the same objectives, ask the same anatomy questions, and so forth unless the anatomy is not visible – see Modifications. Because of its systematic approach, this text also provides new and inexperienced instructors with an integral tool to guide them into fair and consistent evaluating habits. ARRT Clinical Competency Requirements As of January 1, , the American Registry of Radiologic Technologists updated requirements that each student must demonstrate competency in specific clinical radiological procedures. All program directors sign documentation verifying that these requirements have been met before the student will be eligible to take the national certification examination. According to the new ARRT requirements, students must demonstrate competency in all 36 mandatory radiological procedures. At least 28 of the 36 mandatory radiological procedure competencies must be demonstrated on patients not phantoms or simulations. Students must demonstrate competency in at least 15 of the 30 elective radiological procedures. Electives may be demonstrated on patients, on phantoms, or as simulations. In addition to the radiological procedure competencies, the six General Patient Care competencies are mandatory. These competencies may be simulated. All standard ARRT mandatory and elective requirements are included in this text, as are additional examinations that may be used as program electives. Institutional protocol determines the positions or projections used for each procedure. Demonstration of competence required by the ARRT and included in this text includes requisition evaluation, patient assessment, room preparation, patient management, equipment operation, technique selection, positioning skills, radiation safety, imaging processing and image evaluation. Competency activities should be varied in patient characteristics e. The core requirements mandated by the ARRT are the minimum clinical competencies necessary to establish eligibility for participation in the certification examination. The ARRT encourages education and experience beyond these requirements. Using Each Section Task by Task This book can be customized to meet the needs of individual programs. Each program decides whether to use the Procedural Evaluations with or without the Radiographic Image Quality and Anatomy sections, which is why they are shaded. Each program can also omit specific requirements that may not apply to their institution or to an individual exam. The text lists a Procedural Evaluation and a Competency Evaluation for each exam. The Procedural Evaluation should be used as the lab exercise. Using the Procedural Evaluation as a dry run, instructors can evaluate students in a lab setting. Technicalities are broken down into specific sections: In a consistent, thorough, and easy-to-follow fashion, each section addresses pertinent aspects of performing each exam that cannot be neglected. Once interactions between the patient and the student occur, the Patient Preparation section continues the evaluation. Subsequently, the examination is conducted and is contained in the Patient Positioning segment, which describes each projection for each exam individually, consistently, and thoroughly. The section labeled Tasks is not introduced until the exams become more interactive, such as in fluoroscopy, which has responsibilities that are much more involved than the responsibilities during a chest x-ray. Before an exposure is taken, significant details including markers, collimation, technique, and so forth are listed in the Important Details segment. Because a Procedural Evaluation is a simulation, a resulting radiograph usually does not exist unless performed on phantoms. These sections can be disregarded if a program chooses not to include them in its lab setting. Programs may choose to incorporate these sections in their lab settings by using teaching images or discarded images. The Image Quality and Anatomy sections are standard requirements and must be required

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during each Competency Evaluation. The student should describe each component as it relates to the specific radiographs that are being analyzed. For example, the instructor should ask the student what scale of contrast the image possesses requirement number six. The student should provide the specific response of long scale of contrast or short scale of contrast. The student is also required to analyze the same radiographs and identify pertinent anatomical structures not listed in any particular order listed in the Anatomy section. Poor positioning yields inferior radiographs those that do not display required anatomy. The Anatomy section can be used to identify anatomical landmarks and to reinforce proper positioning during the Radiographic Image Quality section, requirement number three. Modifications Radiography Procedure and Competency Manual can be customized to meet the needs of individual programs. Each program decides how to use the Procedural Evaluation:

## Chapter 2 : The Radiography Procedure and Competency Manual, 3rd Edition - F.A. Davis Company

*Be prepared to meet the ARRT competency requirements! These procedure checklists make it easy. To qualify for your certification exam, you must demonstrate your competency in all 36 mandatory procedures and in at least 15 of the 30 elective procedures-and your instructors must verify your proficiencies.*

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