



#### Position: Latignal Calcameus Patient.

49 - 100

Film selection:

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Shielding. Place apron-ower pelvic area.

Place horizontally on tabletop.

ID should appear on one half of film containing axial calcane us.

The patient is in the lateral recumbent position with the affected calcaneus centered to half of the cassette. The leg is in full extension with the foot forming a

90-degree angle with the lower leg-

gibbs comment. kV p-65 to 70; mAs 15 to 30 (nongrid):

Test bringes melleschions.

Sec. 20. 30 Central say The central say is directed perpendicularly, entering 10 below the medial malleolus.

It is important to avoid notation of the ankle. The base of the first or the fifth metatasus should not be visible on either side.

To one half of the film size

Do not breathe. Do not move.

This view demonstrates the lateral projection of the calcane us to include the calcane ocuboid and talonavicular joint spaces.

wisqualitaged The axial calcaneus is placed on the other side of the film.

Within the collimation field denoting the affected extremity





# **Radiographic Positioning**

Jeannean Hall Rollins, Tammy Curtis

## **Radiographic Positioning:**

Textbook of Radiographic Positioning and Related Anatomy - E-Book Kenneth L. Bontrager, John Lampignano, 2013-08-07 Focusing on one projection per page Textbook of Radiographic Positioning and Related Anatomy 8th Edition includes all of the positioning and projection information you need to know in a clear bulleted format Positioning photos radiographs and anatomical images along with projection and positioning information help you visualize anatomy and produce the most accurate images With over 200 of the most commonly requested projections this text includes all of the essential information for clinical practice Lists and definitions of the most common pathologies likely to be encountered during specific procedures helps you understand the whole patient and produce radiographs that will make diagnosis easier for the physician Labeled radiographs identify key radiographic anatomy and landmarks to help you determine if you have captured the correct diagnostic information on your images Evaluation Criteria for each projection provide standards for evaluating the quality of each radiograph and help you produce the highest quality images Clinical Indications sections explain why a projection is needed or what pathology is demonstrated to give you a better understanding of the reasoning behind each projection Increased emphasis on digital radiography keeps you up to date with the most recent advances in technology Completely updated content offers expanded coverage of important concepts such as digital imaging systems updated CT information and AART exam requirements More CT procedures with related sectional images especially for areas such as skull and facial bones reflect the shift in the field from conventional radiography to CT Updated art visually demonstrates the latest concepts and procedures with approximately 500 new positioning photos and 150 updated radiographic images Additional critique images provide valuable experience analyzing images to prepare you to evaluate your own images in the practice environment Updated Technique and Dose boxes reflect the higher kV now recommended for computed and digital radiography Imaging Wisely program information from ASRT provides protocols to minimize radiation exposure during digital procedures The latest standards for computed radiography and digital radiography CR DR from the American Association of Physicists in Medicine ensures you are current with today s procedures and modalities

Textbook of Radiographic Positioning & Related Anatomy - Pageburst E-Book on VitalSource8 Kenneth L Bontrager, John Lampignano, 2013-02-08 Lists and definitions of the most common pathologies likely to be encountered during specific procedures helps you understand the whole patient and produce radiographs that will make diagnosis easier for the physician Labeled radiographs identify key radiographic anatomy and landmarks to help you determine if you have captured the correct diagnostic information on your images Evaluation Criteria for each projection provide standards for evaluating the quality of each radiograph and help you produce the highest quality images Clinical Indications sections explain why a projection is needed or what pathology is demonstrated to give you a better understanding of the reasoning behind each projection Increased emphasis on digital radiography keeps you up to date with the most recent advances in

technology Completely updated content offers expanded coverage of important concepts such as digital imaging systems updated CT information and AART exam requirements More CT procedures with related sectional images especially for areas such as skull and facial bones reflect the shift in the field from conventional radiography to CT Updated art visually demonstrates the latest concepts and procedures with approximately 500 new positioning photos and 150 updated radiographic images Additional critique images provide valuable experience analyzing images to prepare you to evaluate your own images in the practice environment Updated Technique and Dose boxes reflect the higher kV now recommended for computed and digital radiography Imaging Wisely program information from ASRT provides protocols to minimize radiation exposure during digital procedures The latest standards for computed radiography and digital radiography CR DR from the American Association of Physicists in Medicine ensures you are current with today s procedures and modalities

Merrill's Atlas of Radiographic Positioning and Procedures Bruce W. Long, Jeannean Hall Rollins, Barbara J. Smith, 2015-02-25 More than 400 projections make it easier to learn anatomy properly position the patient set exposures and take high quality radiographs With Merrill's Atlas of Radiographic Positioning Procedures 13th Edition you will develop the skills to produce clear radiographic images to help physicians make accurate diagnoses It separates anatomy and positioning information by bone groups or organ systems using full color illustrations to show anatomical anatomy and CT scans and MRI images to help you learn cross section anatomy Written by radiologic imaging experts Bruce Long Jeannean Hall Rollins and Barbara Smith Merrill's Atlas is not just the gold standard in radiographic positioning references and the most widely used but also an excellent review in preparing for ARRT and certification exams UNIQUE Collimation sizes and other key information are provided for each relevant projection Comprehensive full color coverage of anatomy and positioning makes Merrill's Atlas the most in depth text and reference available for radiography students and practitioners Coverage of common and unique positioning procedures includes special chapters on trauma surgical radiography geriatrics pediatrics and bone densitometry to help prepare you for the full scope of situations you will encounter Numerous CT and MRI images enhance your comprehension of cross sectional anatomy and help you prepare for the Registry examination Bulleted lists provide clear instructions on how to correctly position the patient and body part when performing procedures Summary tables provide quick access to projection overviews guides to anatomy pathology tables for bone groups and body systems and exposure technique charts Frequently performed projections are identified with a special icon to help you focus on what you need to know as an entry level radiographer NEW Coverage of the latest advances in digital imaging also includes more digital radiographs with greater contrast resolution of pertinent anatomy NEW positioning photos show current digital imaging equipment and technology UPDATED coverage addresses contrast arthrography procedures trauma radiography practices plus current patient preparation contrast media used and the influence of digital technologies UPDATED Pediatric Imaging chapter addresses care for the patient with autism strategies for visit preparation appropriate communication and

environmental considerations UPDATED Mammography chapter reflects the evolution to digital mammography as well as innovations in breast biopsy procedures UPDATED Geriatric Radiography chapter describes how to care for the patient with Strategic Radiographic Positioning: For Orthopaedicians & Alzheimer s Disease and other related conditions Radiologists Anand J. Thakur, 2010-08-10 This book is part of the LWW India publishing program This program is developed for the Indian market working with Indian authors who are the foremost experts in their respective fields Our Indian authors do research and teach at the most respected Indian medical schools and academic hospitalsRadiographic examination of musculoskeletal problems is an extremely crucial component of orthopaedic practice Proper positioning of the patient is necessary to obtain the best radiographic view However guite often the relevant positioning details elude the memory of a busy orthopaedecian and a good opportunity to clinch a diagnosis gets lost This book is oriented towards the orthopaedic surgeon's plain radiographic requirements and provides a ready solution that may be used by both the radiologist and the orthopaedician Each view described has been carefully evaluated and a brief discussion of its realistic clinical usefulness advantages and disadvantages has been provided This makes the book more valuable than just a positioning manual Included are sketches of fracture patterns as additional information to help decision making in trauma settings The Supplement section in numerous chapters provides ancillary information to read the radiographs and modify the treatment Relevant suggestions are provided for appropriate positioning of the C arm image intensifier that is now an integral part of an orthopaedic surgeon rsquos work A crisp easy to refer style has been used throughout the book All these features make this book an excellent ready reference for Orthopaedicians radiologists as well as radiographers Workbook for Radiographic Positioning and Related Anatomy - E-Book John Lampignano, Leslie E. Kendrick, 2024-02-14 Use this practical workbook to reinforce your understanding of radiographic positioning and procedures With chapters corresponding to those in Textbook of Radiographic Positioning and Related Anatomy 11th Edition this workbook provides a wide variety of exercises to help you apply important positioning principles and critically evaluate images Included are laboratory activities situational questions self tests and image critiques to review and reinforce what you have learned with the textbook The perfect study tool this workbook prepares you to succeed on credentialing exams and in clinical practice A wide variety of review exercises include questions on anatomy select pathology and clinical indications as well as a positioning critique and image evaluation questions Situational questions describe clinical scenarios and ask you to analyze and apply positioning criteria to specific examples Laboratory activities provide hands on experience performing radiographs using phantoms practicing positioning and evaluating images Image critique questions describe an improperly positioned radiograph then ask what modifications need to be made to improve the image preparing you to evaluate the quality of radiographs produced in the clinical setting Chapter objectives provide a checklist for completing the workbook activities Self tests at the end of chapters help you assess your learning with multiple choice labeling short answer matching and true false questions Answers

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page with bulleted information on the left side of the page and positioning photos radiographic images and anatomical drawings aligned on the right you ll be able to quickly and easily visualize anatomy and master positioning Labeled radiographs radiographic overlays identify key radiographic anatomy and landmarks to help students recognize anatomy and determine if they have captured the correct diagnostic information on images Positioning chapters organized with one projection per page present a manageable amount of information in an easily accessible format Unique page layout with positioning photos radiographic images and radiographic overlays is presented side by side with the text explanation of each procedure to facilitate comprehension and retention Clinical Indications features list and define pathologies most likely to be encountered during procedures to help students understand the whole patient and improve their ability to produce radiographs that make diagnosis easy for the physician Evaluation Criteria content on positioning pages describes the evaluation critique process that should be completed for each radiographic image Pediatric Geriatric and Bariatric Patient Considerations are provided to prepare technologists to accommodate unique patient needs Emphasis on radiation safety practices provides recommendations important for clinical practice NEW Updated photographs visually demonstrate the latest digital technology used in radiography with new radiographs positioning and equipment images UPDATED The latest ARRT competencies and ASRT curriculum guidelines are incorporated to prepare students for boards and clinical practice NEW Erect positions have been added throughout the text to reflect current practice NEW New Bernageau and Zanca projections have been included to keep students on top of these projections performed for shoulder pathology and trauma UPDATED Critique section at the end of chapters tests students understanding of common positioning and technical errors found in radiographs Answer keys are provided for instructors on the Evolve website UPDATED Expanded content on fluoroscopy has been included to keep students up to date on the latest information *Merrill's Atlas of Radiographic* Positioning and Procedures - Volume 1 - E-Book Jeannean Hall Rollins, Bruce W. Long, Tammy Curtis, 2022-06-27 Merrill s Atlas of Radiographic Positioning and Procedures Volume 1 E Book Merrill's Atlas of Radiographic Positioning and Procedures - 3-Volume Set - E-Book Jeannean Hall Rollins, Tammy Curtis, 2024-10-19 Selected for 2025 Doody's Core Titles with Essential Purchase designation in Radiologic Technology Learn and perfect your positioning skills with the leading radiography text and clinical reference Merrill's Atlas of Radiographic Positioning and Procedures Sixteenth Edition describes how to position patients properly set exposures and produce the quality radiographs needed to make accurate diagnoses Guidelines to both common and uncommon projections prepare you for every kind of patient encounter Anatomy and positioning information is organized by bone group or organ system and coverage of special imaging modalities includes CT MRI sonography radiation therapy and more The gold standard in imaging Merrill's Atlas covers all procedures in the ASRT radiography curriculum and prepares you for the ARRT exam NEW Respiration heading emphasizes the importance of proper breathing instructions for maximizing image quality NEW Patient positioning photos enhance chapters on the chest

abdomen pelvis and hip bony thorax upper extremity and lower extremity NEW and UPDATED Additional figures and content in special imaging modality chapters represent current practice protocols safety measures and technology in pediatric imaging computed tomography magnetic resonance imaging diagnostic medical sonography mammography molecular imaging nuclear medicine and radiation oncology UPDATED Unit values expressed as SI units with traditional units provided in parentheses match the format used in imaging technical texts and the ARRT exam UPDATED Gonadal shielding guidelines align with current clinical practice UPDATED Collimation field sizes and image receptor sizes are simplified for enhanced clinical relevance STREAMLINED Rounded decimal values replace fractions throughout the text Comprehensive full color coverage of anatomy and positioning makes Merrill s Atlas the most in depth text and reference available for radiography students and practitioners Guidelines to each projection include a photograph of a properly positioned patient and information on patient position part position respiration central ray angulation collimation kVp values structures shown and evaluation criteria Diagnostic quality radiograph for each projection demonstrates the result the radiographer is trying to achieve Coverage of common and unique positioning procedures includes chapters on trauma mobile surgical radiography geriatrics and pediatrics to help prepare you for the full scope of situations you will encounter Numerous CT and MRI images enhance comprehension of cross sectional anatomy and help in preparing for the Registry examination

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