



Speaker Information and Schedule for the CA Limited Radiography Session

Date: Friday, March 13, 2020, from 8am-5pm

Course Title: Radiography Physics and Positioning – A Review

CE Hours Provided: 8 General hours

Speakers:

Christopher Petrie, BSE, DC, DACBR



Dr. Christopher Petrie, DC, DACBR, currently serves as an Associate Professor and the Director of Clinical Education at Northwestern Health Sciences University in Bloomington, MN. He completed his DC degree at Palmer College of Chiropractic in Davenport, IA, and completed his radiology residency at Parker University in Dallas, TX, where he subsequently served as a faculty member and department chair. He has held Diplomate status with the American Chiropractic Board of Radiology since the completion of his residency in 2009. He has previously operated a private consulting practice serving clinicians and imaging centers in the Dallas-Ft. Worth metroplex.

Christopher Smoley, DC, DACBR



Dr. Christopher Smoley earned his DC from Palmer College of Chiropractic, Davenport Campus, in 2012. Upon graduation, he was accepted into the Parker University Diagnostic Imaging Residency and went on to successfully pass his radiology board exams; earning his diplomat from the American Chiropractic Board of Radiology. Dr. Smoley has been a professor at Parker University, D'Youville College, and now Palmer Davenport. At all three institutions, Dr. Smoley has instructed in both lecture and lab radiology positioning, imaging physics, and radiographic anatomy. He has also taught courses in specialized imaging, chest and abdomen, and trauma. Dr. Smoley also reads as a subcontractor for multiple imaging centers throughout Texas and currently sits on the American Chiropractic Radiology Board.

Course Summary and Outline:

This course will review the principle imaging physics concepts behind the generation of radiography images, how they impact image quality, and their influence on radiation exposure during imaging procedures. Strategies for exposure reduction will be presented. The course will also review the procedures for positioning and taking common radiographic views in limited radiology practice with a focus on imaging of the spine and major joints. The limitations of radiographic imaging and more effective imaging modalities will be touched upon.

PROGRAM OUTLINE:

1. Introductions
2. Pre-assessment
3. Radiography essentials
 - a. Palpatory anatomy
 - b. General positioning concepts
 - c. Marking views
 - d. Equipment
 - e. X-ray production
 - f. X-ray exposure and safety
 - g. Limitations of radiography
4. Team-Based Image Evaluation
 - a. Cervical views
 - b. Thoracic views
 - c. Lumbopelvic views
5. Team-Based Image Evaluation
 - a. Shoulder views
 - b. Elbow views
 - c. Wrist views
 - d. Hand views
 - e. Hip views
 - f. Knee views
 - g. Ankle views
 - h. Foot views
6. Accessory radiographic views
 - a. Upper Extremity
 - b. Lower Extremity
 - c. Spine
7. Anatomy of the Spine Review
 - a. Cervical
 - b. Thoracic
 - c. Lumbopelvic
8. Post-assessment and review