



Speaker Information and Schedule for the CA Limited Radiography Session

Date: Friday, March 8, 2019 from 8am-5pm

Course Title: Radiography Physics and Positioning – A Review

CE Hours Provided: 8 General hours

Speaker: 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.

Course Summary:

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.

Course Outline:

1. Introductions
2. Pre-assessment
3. X-ray essentials
 - a. Equipment
 - b. X-ray production
 - c. X-ray exposure and safety
 - d. Limitations of radiography
4. Radiography essentials
 - a. Palpatory anatomy
 - b. General positioning concepts
 - c. Marking views
5. Radiography of the spine
 - a. Cervical views
 - b. Thoracic views

- c. Lumbopelvic views
- 6. Radiography of the upper extremity
 - a. Shoulder views
 - b. Elbow views
 - c. Wrist views
 - d. Hand views
- 7. Radiography of the lower extremity
 - a. Hip views
 - b. Knee views
 - c. Ankle views
 - d. Foot views
- 8. Miscellaneous radiography views
 - a. Soft tissue views
 - b. Rib views
 - c. Long bone views
- 9. Post-assessment and review