

# **Back To Chiropractic CE Seminars**

## **X-Ray Presented by: Jose Serrano, DC, DACBR**

### **Learning Objectives**

Objective: To provide a practical review and update on the requirements for obtaining and maintaining supervisors' operators permit. Discuss disc nomenclature and abdominal plain film findings that should be evaluated as well as those that should raise concern on lumbar spine imaging.

Hour 1: Reviews of requirements for obtaining and maintaining supervisor's operator's permit in the state of California. Review of regulations and required documentations regarding X-rays in the state of California

Hour 2: Discussion on the current terminology that is used when describing and diagnosing disc pathology as well as other degenerative findings.

Hour 3: Presentation of X-ray imaging of common disc and degenerative pathology along with continued discussion of current radiographic terminology used today in imaging reports.

Hour 4: Presentation and discussion of abdominal structures that can be evaluated on Lumbar spine plain film images to include:

- o Gas pattern and normal vs abnormal presentation of the stomach.
- o Gas pattern and normal vs abnormal presentation of the small bowel.
- o Gas pattern and normal vs abnormal presentation of the large intestine.

Hour 5: Continuation of presentation and discussion of abdominal structures that can be evaluated on Lumbar spine imaging to include:

- o Abdominal visceral structures that should be seen as well as their various presentation on Lumbar spine plain films.
- o Abdominal visceral structures that should not be normally seen as well as their various presentation on Lumbar spine plain films.

Hour 6: Case presentation of different abnormal presentation of visceral organs and gas patterns on lumbar spine imaging. As well as case presentation of foreign bodies of the abdomen on plain film imaging both post-surgical and non-post-surgical cases.