

MR of the Lumbar Spine

Online Lecture

Presented by: Dr. Jennifer Pedley, DC, DACBR

Objective: Provide a practical review of MRI, evaluation of the lumbar spine, and appropriate referral for advanced imaging. Emphasis will be placed on the anatomy of the lumbar spine on MR, terminology used on radiology reports pertaining to MRI, and types of disc pathology (bulges/protrusions/extrusions) commonly seen in the chiropractic office.

Hour 1: Discuss the importance and criteria of ordering MR, and discuss the anatomy on the sagittal and axial images of the lumbar spine.

Hour 2: Continue to discuss the anatomy on the lumbar spine MR images, sequences commonly used for MR of the lumbar spine, and demonstrating normal versus abnormal intervertebral discs.

Hour 3: Evaluate lumbar spine MR cases commonly seen in the chiropractic office with discussion of the type of posterior disc displacement (bulge, protrusion, or extrusion), nomenclature and the involvement of the exiting and descending nerve roots.

Hour 4: Evaluate and discuss common MR cases of the lumbar spine with a range of severity of stenosis, degenerative changes, disc pathology and involvement of the exiting and descending nerve roots.

Hour 5: Evaluate case studies of x-rays followed by MR cases of the lumbar spine with degenerative changes, trauma, disc pathology, and involvement of the exiting and descending nerve roots.

Hour 6: Continue to evaluate case studies of x-rays followed by MR cases of the lumbar spine with degenerative changes, trauma, disc pathology, and involvement of the exiting and descending nerve roots.