Case Studies in Diagnostic Radiology
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Impressions
With Diff Dx
Clinical Data
Findings (Proof of Dx)
Findings Based on Condition Knowledge and Complications
Just Include

Reporting Process
Findings
• ICAS formatting
• Bone
• Joints (Cartilage)
• Alignment
• Soft Tissues
• Clinically relevant radiographic features
• Pertinent negatives

Impressions
• The diagnosis with differentials
• In order of clinical relevance
• Should answer the clinical question

Recommendations (for diagnostics)
• Limitations of study requiring other tests to answer clinical or radiographic question.

Other discussion points
Image Quality
• Contrast resolution
• Spatial Resolution
• Artifacts

Patient Examinations
• Incomplete examinations
• Positioning Errors
• Additional imaging

Imaging Technology
• CT, MR, US
• Digital Radiology
• Imaging Physics & Condition

Spatial and Contrast Resolution
The Presentation:

I intend on constructing reports for each case.

I may leave the salient lesion(s) until the end to give you time to review the images.

Histories are short.

Please ask questions.
Reason: Back Pain

EXAM: SPINE LUMBAR ROUTINE 2 OR 3 VWS

INDICATION: Back pain.

COMPARISON: None.

FINDINGS: The AP and lateral views reveal 5 lumbar vertebrae bodies in gross anatomic alignment. There is well preserved vertebral body height and disc space.
There is no fracture or bone lesion.
There is no spondylysis or spondylolisthesis.
The endplates and the pedicles are well defined. Surrounding soft tissue is unremarkable.

IMPRESSION:
1. Unremarkable lumbar spine exam.
EXAM: CERVICAL SPINE - 3 VIEWS - AP, ODONTOID AND LATERAL VIEWS.
PREVIOUS EXAM FOR COMPARISON: None

HISTORY: Neck pain radiating down left arm

FINDINGS: There is normal alignment of the cervical vertebral bodies. There are degenerative changes with osteophytes and disk space narrowing. There is no evidence of fracture, dislocation or prevertebral soft tissue swelling.

IMPRESSION: Degenerative change of the cervical spine.
EXAMINATION: Chest x-ray one-view.
REASON FOR EXAM: Chest pain and shortness breath.
FINDINGS: The heart size is normal. The lungs are clear. There are no acute lung infiltrates. No pneumothorax is seen.
IMPRESSION: No active chest disease. No acute infiltrates.