Book: Undergraduate Diagnostic Imaging Fundamentals (Burbridge and Mah)

Diagnostic Imaging principles and concepts are augmented by the presentation of images for common clinical conditions. Guiding principles related to minimizing radiation exposure and requesting the most appropriate imaging examination are addressed. Static images are enhanced by the ability to access images stored and displayed on an Html-5 compatible, Dicom image viewer that simulates a simple Picture Archive and Communication system (PACS). Users can also access other imaging from the Dicom viewer (ODIN), beyond the basic curriculum provided, to further advance their experience with viewing diagnostic imaging pathologies.
1: Introduction

2: Principles of Radiation Biology and Radiation Protection

3: Principles of Imaging Techniques

4: Contrast Media in Radiology
5: Approach to Reviewing X-ray Imaging

• 6: Brain and Spine

• 7: Breast

• 8: Cardiovascular
9: Chest

10: Gastrointestinal and Abdominal

11: Gynecology and Obstetrics

12: Head and Neck
17: Normal, Reference Images, Unlabelled and Labelled

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