Week 1

Day 1:
- Syllabus
- radiologyassistant.nl – Assigned Reading
- Blackboard Radiology Q-Bank – Appropriateness Criteria Questions
- ACR Appropriateness Criteria and Ordering Studies Lecture – will be on reading Test
- Radiology Lines and Tubes Powerpoint

Reading
  - Chest
    - Chest X-Ray
      - Basic Interpretation
      - Heart Failure
      - Lung Disease
    - HRCT
      - Basic Interpretation
      - Common Diseases
    - COVID-19
      - COVID-19 Imaging Findings
      - 32 cases of suspected COVID-19

Day 2 Reading:
- Chest
  - Esophagus I: anatomy, rings, inflammation
  - Esophagus II: Strictures, Acute Syndromes, Neoplasms, and Vascular Impressions
  - Mediastinum
    - Masses Differential Diagnosis
  - Pulmonary nodule
    - Fleischner 2017 Guideline
  - Solitary Pulmonary Nodule
    - Benign versus Malignant
- Head/Neck
  - Swallowing Disorders Update
- TIRADS
  - TIRADS – Thyroid Imaging Reporting and Data System

Day 3 Reading:
- Cardiovascular
  - Anatomy
    - Cardiac Anatomy
    - Coronary Anatomy and anomalies
  - Cardiomyopathy
Ischemic and non-ischemic cardiomyopathy
  ○ Devices
    ■ Cardiovascular Devices
  ○ Thoracic Aorta
    ■ Acute Aortic Syndrome
    ■ Vascular Anomalies of the Aorta, Pulmonary and Systemic Vessels

Breast
  ○ BI-RADS
    ■ BI-RADS for mammography and ultrasound 2013

**Day 4 Reading:**
  ● Pediatrics
    ○ Acute Abdomen
      ■ Acute Abdomen in Neonates
    ○ Acute Scrotum
      ■ Acute Scrotum in Children
    ○ Child Abuse
      ■ Diagnostic Imaging in Child Abuse
    ○ Hip
      ■ Developmental Dysplasia of the Hip-Ultrasound
      ■ Hip Pathology in Children
    ○ Lines and Tubes
      ■ Lines and Tubes in Neonates
    ○ Neonatal Brain US
      ■ Neonatal Brain US

**Week 2:**

**Day 1 Reading:**
  ● Abdomen
    ○ Acute Abdomen
      ■ Appendicitis and Mimics
      ■ CT in Trauma
      ■ Practical Approach to Acute Abdomen
    ○ Aorta
      ■ Aneurysm Rupture
    ○ Biliary System
      ■ Gallbladder obstruction
      ■ Biliary Duct Pathology
      ■ Gallbladder wall thickening

**Day 2 Reading:**
  ● Abdomen
    ○ Bowel
      ■ Bowel Ischemia - video series
      ■ CT-pattern of Bowel wall thickening
      ■ Crohn’s disease – role of MRI
■ Sharp foreign bodies in GI tract
  ○ Kidney
    ■ Cystic Masses
    ■ Solid Masses
  ○ Ovarium
    ■ Ovarian Cystic Lesions
    ■ Roadmap to evaluate ovarian cysts

**Day 3 Reading:**
- **Abdomen**
  - **Liver**
    ■ Characterization of Liver Masses
    ■ Common Liver Tumors
    ■ Segmental Anatomy
    ■ LI-RADS
  - **Pancreas**
    ■ Acute Pancreatitis
    ■ Pancreatic Cancer
    ■ Pancreatic Cystic Lesions

**Day 4 Reading:**
- **Neuroradiology**
  - **Brain**
    ■ Anatomy
  - **Brain Ischemia**
    ■ Imaging in Acute Stroke
    ■ Vascular Territories
  - **Brain Tumor**
    ■ Systematic Approach
  - **Hemorrhage**
    ■ Traumatic Intracranial Hemorrhage
    ■ Non-traumatic Intracranial Hemorrhage
  - **Epilepsy**
    ■ Role of MRI

**Week 3:**

**Day 1 Reading:**
- **Neuroradiology**
  - **Multiple Sclerosis**
    ■ Multiple Sclerosis - Diagnosis and differential diagnosis
    ■ Multiple Sclerosis - Updated Version
  - **Sella Turcica**
    ■ Sella Turcica and Parasellar Region
  - **Spine**
    ■ Cervical Injury
    ■ Lumbar Disc Herniation
Day 2 Reading:
- Musculoskeletal
  - Ankle
    - Fracture Mechanism and Radiography
    - Algorithm for Ankle Fractures
    - Weber and Lauge-Hansen Classification
    - Special Cases of Ankle Fractures
  - Elbow
    - Fractures in Children
  - Hip
    - Arthroplasty
  - Wrist
    - Carpal Instability
    - Fractures

Day 3 Reading:
- Musculoskeletal
  - Knee
    - Meniscal Pathology
    - Non-Meniscal Pathology
  - Shoulder
    - Shoulder Anatomy - MRI
    - Shoulder Instability - MRI
  - Spine
    - TLICS Classification of Fractures
  - Stress Fractures
    - Stress Fractures

Day 4:
- Lock it up

Week 4:
Day 1:
- Lock it up

Day 2:
- Lock it up

Day 3:
- Lock it up

Day 4:
- Lock it up
**Day 5: Game Day**

- **Test**
  - 25 Blackboard Q-Bank Questions worth 2 point each total of 50 points
  - 25 Reading Questions worth 2 point each total of 50 points

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