Best Cases of the AIRP

September-October, 2019
Musculoskeletal Best Case
CLINICAL INFORMATION

37-year-old female with leg pain and palpable mass
PAROSTEAL OSTEOSARCOMA

Dr. Elias Kikano
Case Western Reserve University
Cleveland, Ohio
Gastrointestinal Best Case
Clinical information

49-year-old African American female with a painful, hard periumbilical abdominal wall mass. PMH significant for HTN and multiple Caesarean sections.
Clear cell carcinoma in C-section scar

Edward Gayou
Ohio State University – Wexner Medical Center
Columbus, OH
Neuroradiology Best Case
Clinical information

5-year-old male with partial complex seizures since 1 year of age. Increasing frequency of seizures despite 3 antiepileptic medications. Now with expressive and receptive speech delay and cognitive delay. EEG showed right fronto-central epileptiform discharge.
Focal Cortical Dysplasia with Band Heterotopia

Jaehoon Shin
University of California
San Francisco, California
Pulmonary and Mediastinal Best Case
Clinical information

57-year-old non-smoking coal worker
Gross

- Red- anthracotic pigmented pleural nodule
- White arrow- conglomerate area of macronodules in the upper lobe.
- Yellow- lower lobe hemorrhage
Regional lymph node showing carbon staining and necrosis
Micro

Arrow - Confluent anthracosilicotic nodules
Coal-workers pneumoconiosis

Kimberly Rongo
UPMC
Pittsburgh, PA
Cardiovascular Best Case
Clinical information

71-year-old male presents with left flank pain. He is an active smoker with systemic hypertension and diabetes mellitus type 2.

In addition to CT features diagnostic of acute diverticulitis, there are unexpected findings related to the aorta ...
- Thoracic & abdominal aortic wall thickening

- Circumferential and lobulated periaortic soft tissue
- Thoracic & abdominal aortic wall thickening

- Circumferential and lobulated periaortic soft tissue
- Proximal left subclavian artery also demonstrates soft tissue encasement
- Histology shows an infiltrate of plasma cells (arrows), some containing “Russell bodies” (eosinophilic inclusions - arrowheads), on a background of fibrosis (asterisks).
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IgG4-related Sclerosing Disease: Aortitis

Amanda Marrero Gonzalez
University of Puerto Rico
San Juan, PR
Pediatric Best Case
Clinical information

Patient is a 3-year, 9-month-old white male with no significant past medical history presented to the ER with initial complaint of left knee pain and recent onset limping. No recent trauma was reported. Patient had no fever, chills, or myalgias.
Sclerosing epithelioid fibrosarcoma

Austin Starnes
Brookwood Baptist Health
Birmingham, AL
Breast Best Case
Clinical information

48-year-old male with a lump in the right breast. No family history of breast cancer.
Invasive Ductal Carcinoma in a Male Patient

Evan Lieberman
Maimonides Medical Center
Brooklyn, NY
Genitourinary Best Case
25 year old female consulted her gynecologist for abdominal discomfort. In the physical examination an abdominal mass was detected in the right hemiabdomen. The remaining physical examination was normal. Labs were normal.
Ovarian Immature Teratoma

Eduardo Siña, MD
Clínica Dávila
Santiago, Chile