Best Cases of the AIRP

Sept-Oct, 2016
Musculoskeletal Best Case

(a, b, c, d) X-ray images of the hip joint, showing different angles and views.
63 year-old man with standing pain in right knee without traumatic history
Dedifferentiated Chondrosarcoma

Alfonso Martin, MBBS
Hospital Universitario La Paz
Madrid, Spain
Honorable mention
7-month-old boy with one week of non-tender, left axillary swelling
Lipoblastoma

Jesse Sandberg, MD
Washington University School of Medicine
St. Louis, Missouri
Gastrointestinal Best Case
History

36 year old male with right upper quadrant pain and fullness, and a “bubbling” sensation triggered with movement such as walking or bending over.
Mature cystic teratoma

Jeremy Bernot, MD
San Antonio Military Medical Center
San Antonio, Texas
63-year-old female with 6-year history of seizures. Found unresponsive at home. Developed septic shock after admission.
Mesial Temporal Sclerosis

Anika McGrath, M.D.
University of Washington
Seattle, Washington
Pulmonary and Mediastinal
Best Case
History

75 year old female with slowly growing right upper quadrant mass.
Intense enhancement post gad
Internal mammary supply
Vessel isolated at surgery
Resection
Solitary Fibrous Tumor of the chest wall
Solitary Fibrous Tumor of the chest wall

Jose Luis Lerma Gallardo, MBBS
Hospital Clinico San Carlos
Madrid, Spain
Cardiovascular Best Case
History

24 year old male presents with progressive dyspnea and dry cough.
History

Echocardiography reveals elevated right atrial and pulmonary arterial pressures. Nuclear medicine V/Q scan shows high probability of pulmonary embolism.

Patient treated with anticoagulation but demonstrates no clinical improvement.
Axial CT (lung window) shows scattered, bilateral thickened septal lines with patchy zones of ground glass attenuation.
Axial CT (mediastinal window) shows low attenuation within draining pulmonary vein, right upper lobe.
Gross lung specimen shows fibrotic linear architecture (interlobular septae) and parenchymal congestion.
Histology (top, H&E & bottom, trichrome stain) show intravenouss and perivenous fibrosis centered in the interlobular septae.
Pulmonary Veno-Occlusive Disease

Dr. Chad Klochko
Henry Ford Hospital
Detroit, Michigan
History

12 year old girl with past medical history of Tuberous Sclerosis and Neurofibromatosis Type 1 presenting with persistent vaginal bleeding.
Perivascular Epithelioid Cell Tumor (PEComa)

Sara Cohen, MD
Tufts Medical Center
Boston, MA
Breast Best Case
Clinical Information

45-yo-female who noticed a lump one month ago
Mammogram and US
Gross Pathology
Histology
Spindle Cell Carcinoma

Alvaro Flores
UNIVERSIDAD CATOLICA DE CHILE
Santiago, Chile
Genitourinary Best Case
History

48 year old female presented with abdominal pain, increased abdominal size, and menorrhagia.
Endometrial Stromal Sarcoma

Carolina Weitz, MD
Universidad De Los Andes
Bogota, Columbia