Best Cases of the AIRP

Sept-Oct, 2015
Thank you to RSNA for sponsoring the pizza party to follow!!
Musculoskeletal Best Case
Femur radiographs
MRI T2 weighted images
MRI T1 weighted images
Gross photograph
MRI images
Microscopic picture
Microscopic picture post treatment
Chondroblastic Osteosarcoma
(AIRP # 9487)

Dr. Blake Jamieson
University of British Columbia
Vancouver, B.C., Canada
Genitourinary Best Case
Clinical History

68 yo female with left flank pain
Retroperitoneal Pleomorphic Sarcoma

Jason Teitelbaum, MD
Mt. Sinai-Beth Israel
New York, NY
Neuroradiology Best Case
History

79-year-old male with 1-month history of altered mental status, urinary incontinence, and unsteady gait
Green arrow: endothelial proliferation; Yellow arrows; margin of pseudopalisading necrosis (center marked by red circle)
Glioblastoma multiforme

Matthew Prater, M.D.
Vanderbilt University
Nashville, Tennessee
Clinical History

73 year old female with dyspnea and restrictive pulmonary functions
Calcifications
Traction bronchiectasis: fibrosis
Septal lines
Airspace calcifications
Airspace calcifications
Alveolar Microlithiasis

Joseph Delic, MD
University of Pittsburgh Medical Center
Pittsburgh, PA
Cardiovascular Best Case
Clinical History

79 year old female presents to the ED with severe dyspnea
Synovial Sarcoma of the Right Atrium

Ali Mian, MD
Yale University Medical System
New Haven, CT
Pediatric Best Case
Clinical History

A 3 week old boy born at term by uncomplicated vaginal delivery presented with gross hematuria.
Ossifying Renal Tumor of Infancy

Jacques Trollip, MD
University of British Columbia
Vancouver, Canada
Breast Best Case
Clinical Presentation

- 77 year old female with increasing firmness and induration of the left breast
- Ipsilateral stage I invasive ductal carcinoma 15 years ago treated with lumpectomy and whole breast radiation. Negative margins and lymph nodes.
- Regular mammograms; last one year ago negative
- On physical exam, the left breast was entirely indurated with peau d’orange and ulceration adjacent to the nipple.
Diagnostic Left Mammogram
Diagnostic Ultrasound
Secondary Angiosarcoma

- Older women who have undergone radiation treatment for prior breast cancer.
- Mean age 60 years
- Incidence of post-irradiation angiosarcoma is low (0.09-0.16%).
- Average time between radiation therapy and development of angiosarcoma is approximately 6 years, however it can been seen as early as 1 year and as late as 41 years.
- Usually presents as red nodules and skin discoloration which can easily be mistaken for bruising delaying diagnosis.
Angiosarcoma

Xhorlina Marko, MD
Beaumont Hospital-Dearborn
Dearborn, Michigan
Gastrointestinal Best Case
Clinical information

35 year old female with acute onset of rapidly progressive dyspnea and increasing abdominal distension.
Gross Pathology
Gross Pathology
Gross Pathology
Histology
Acute Budd-Chiari syndrome
Acute Budd-Chiari Syndrome

Keith Russell, M.D.
University of Mississippi Medical Center
Jackson, MS
Many thanks to all of you for submitting such great cases!
Have a safe trip home

From the staff of the
American Institute for Radiologic Pathology