Best Cases of the AIRP

March 18 – April 12, 2013
Musculoskeletal Best Case
51-year-old man with colorectal cancer presenting with progressively worsening right knee pain and swelling
Metastatic Adenocarcinoma to the Patella and Synovium

Kimberly Leeman, MD
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania
Neuroradiology Best Case
42-year-old man presented to the ED with altered mental status, headaches, and body aches. He denied any prior history and had limited previous health care interaction.
Cryptococcus

Joe Park, MD
Lousiniana State University Health Sciences Center
New Orleans, Louisianna
Genitourinary Best Case
22-year-old woman with dysmenorrhea and dyspareunia
Ovarian Serous Surface Papillary Borderline Tumors

Gabriel Guerin, MD
University of Montreal
Montreal, Canada
PULMONARY AND MEDIASTINAL IMAGING
59-year-old man with episodes of sharp chest pain associated with bending and manual labor.

Comparative imaging was available from 2005.
Benign Migratory Mesothelial Cyst

Justin Cramer, MD
University of Utah
Salt Lake City, Utah
Cardiovascular Imaging
68-year-old man with history of ocular melanoma presents with increasing dyspnea.
Contrast-enhanced axial & coronal CT images demonstrate multiple intracavitary masses which are either attached to endocardium OR originating from myocardium.
MR Axial T1 fat-sat (left) demonstrates increased signal intensity within the masses. MR Axial Post-Gadolinium (right) shows that the masses are hypointense to bloodpool.
Gross specimen excised from right atrium shows lobulated mass with a mixed black and deep red surface coloration.
Histologic specimen reveals spindled morphology as well as melanotic (pale brown) pigment-filled cells with pleomorphic nuclei.
Metastatic Ocular Melanoma to the Cardiac Inter-atrial Septum

Vikas Agarwal, MD
University of Toronto
Toronto, Canada
Pediatric Best Case
22-year-old primigravid woman presents with monochorionic, diamniotic twins.
Normal (Pump) Twin

Acardiac Twin
Twin Reversed Arterial Perfusion (TRAP) Sequence

Joseph Sommerfeldt, MD
University of Ottowa
Ottowa, Canada
Breast Best Case
46-year-old woman who 12 years prior had a lumpectomy and adjuvant radiation therapy for tubular carcinoma of the left breast. She presents with a new palpable mass and purple discoloration in her left breast.
Skin Discoloration
LT CC Views

- June 10, 2010
- September 2, 2010
LT Breast Ultrasound
Correlation
Histology
RT Breast (Opposite Side) 8 Months Later
Angiosarcoma

Stefan Mansourian, MD
Yale University
New Haven, Connecticut
Gastrointestinal Best Case
27-year-old woman with increasing right upper quadrant and right shoulder discomfort
Mesenchymal Hamartoma

Maud Morshedi, MD
University of California San Diego
San Diego, California
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