BEST CASES OF THE AIRP

April 25 – May 20, 2011
Musculoskeletal Best Case
29 year old female with foot pain for several months.
MSK LESIONS WITH HIGH FLOW VESSELS

- Vascular lesions particularly more aggressive lesions such as hemangiopericytoma
- Rhabdomyosarcoma
- Synovial sarcoma (25%-30%)
- Alveolar soft part sarcoma
- Extraskeletal Ewing sarcoma
- Metastasis (Renal)
Histology: Monophasic Synovial Sarcoma
Diagnosis:
Synovial Sarcoma

Carrie Bolton
Henry Ford Hospital
Detroit, MI, USA
Neuroradiology Best Case
History

51 Yo m with worsening headache, nausea and vomiting. Noted that the patient's reflexes were absent at the knee.
Diagnosis: Melanoma with leptomeningeal spread

Krynn Stegelmeier
University of New Mexico Hospital
Albuquerque, NM
Genitourinary Best Case
Healthy dichorionic diamniotic twins delivered at 34 weeks with report of triplet to twin conversion early in the pregnancy
Fetus Papyraceus

Darrin Spoden
Wheaton Franciscan St. Joseph Hospital
Milwaukee, Wisconsin, USA
PULMONARY AND MEDIASTINAL IMAGING
History

51 year old male miner with severe obstructive lung disease
Chest

Karen Lee, MD
University of Pittsburgh Medical Center
Pittsburgh, PA

Mixed Dust Pneumoconiosis
(silicosis with coal worker’s pneumoconiosis)
Cardiovascular Imaging
History

47 yo male with PMH of uncontrolled hypertension presented with acute onset of chest pain, followed by lower extremity weakness and paresthesias. Physical examination revealed hypertensive crisis.
CT was performed. Acute type B aortic dissection identified beginning distal to left subclavian artery with extension into celiac, SMA, left renal artery and right common iliac.
Emergent aortic fenestration, aorto-iliac stent placement, and left to right fem-fem bypass performed. Patency and strong pedal pulses demonstrated post-procedure, but patient died 12 hours later.
Overlapping aortic Wallstents
Cardiovascular: Best Case

Contributor:
Laurie Vance, MD
Henry Ford Hospital
Royal Oak, Michigan
Pediatric Best Case
History

Newborn with prenatal diagnosis of mass in right kidney
Duplex kidney with upper pole renal dysplasia

Faisal Raja
University of Western Ontario
Londa, Ontario
Canada
Breast Best Case
A 70 year old male with type 2 diabetes, hypertension, dyslipidemia, and benign prostatic hyperplasia reported a slowly growing left breast mass.
Myofibroblastoma
Myofibroblastoma

Louis Gaboury
Hôtel-Dieu of Montreal (CHUM)
Montreal, Quebec
Canada
Gastrointestinal Best Case
67-year-old woman with right upper quadrant abdominal pain, nausea, and vomiting
Papillary Adenocarcinoma of the Gallbladder

Hesham Hussain
University of Alabama Medical Center, Birmingham, Alabama
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