Best Cases of the AIRP

April 22 – May 17, 2013
Musculoskeletal Best Case
80-year-old man with history of ileal adenocarcinoma, status post surgical resection and chemotherapy, presents with a new mass in the left forearm.
Myxoid Fibrosarcoma

Kyungmouk Steve Lee, MD
New York Presbyterian Hospital
New York, New York
Neuroradiology Best Case
12-year-old girl with no past medical history presented with a single generalized seizure, progressing to more frequent generalized seizures and later developing complex partial seizures despite medical therapy.
Dysembryoplastic Neuroepithelial Tumor

Adam Summerlin, MD
University of Colorado Health Science Center
Aurora, Colorado
Genitourinary Best Case
66-year-old white man with family history of renal cancer presented with progressive urinary symptoms for the last 6 months.
Renal Cell Carcinoma Associated with Birt-Hogg-Dubé Syndrome

Bernardo Corrêa De Almeida Teixeira, MD
Hospital de Clínicas da Universidade Federal do Paraná
Curitiba, Brazil
PULMONARY AND MEDIASTINAL IMAGING
57-year-old man with progressive weakness, 25 lb weight loss, hypokalemia, night sweats, polyuria, and polydipsia.
Bronchial Carcinoid
(with ectopic ACTH production and bilateral adrenal hyperplasia)

Deepa Sheth, MD
University of Chicago Hospitals
Chicago, Illinois
Cardiovascular Imaging
27-year-old man with intermittent abdominal pain presents with extensive left lower extremity deep venous thrombosis. No risk factors, including negative hypercoagulopathy.
Head of pancreas is displaced anteriorly (purple arrow) by a mass expanding the IVC lumen (yellow arrows). Collateral veins are present in retroperitoneum (green arrow).
Coronal reformat contrast-enhanced CT reveals a heterogeneously enhancing mass expanding lumen of inferior vena cava.
Resected, expanded segment of the inferior vena cava
(surface and cut cross sectional views)
LEFT: Low-power H&E photomic shows sarcomatous cells filling the vessel lumen.
RIGHT: High-power H&E photomic shows multiple lipoblasts within the tumor.
High Grade Liposarcoma of the Inferior Vena Cava

Gunjan Senapati, MD
Beth Israel Deaconess Medical Center
Boston, Massachusetts
Pediatric Best Case
27-week gestation with abnormal ultrasound.
Cloacal Malformation

Cindy Fayard, MD
Hôpital Armand Trousseau
Paris, France
Breast Best Case
29-year-old woman in the postpartum period, presenting with a large mass in the right breast. She reported history of a hardened nodule in the same area for the past 13 years, measuring about 3 cm, with marked growth during pregnancy. A multilobulated tumor occupying almost the entire right breast with skin ulceration was found on physical examination.
CC Views
MLO Views
Ultrasound
MRI Kinetics
Gross Specimen
Correlation
Correlation
Giant Complex Fibroadenoma

Bernardo Corrêa De Almeida Teixeira, MD
Hospital das Clínicas da Universidade Federal do Paraná
Curitiba, Brazil
Gastrointestinal Best Case
34-year-old man from Saudi Arabia with past medical history of end-stage renal disease status post living unrelated kidney transplant in 2005 which subsequently failed, currently on dialysis for 7 months who recently flew to the United States for evaluation of a liver mass and possible repeat transplantation.
H&E: bland spindle cells mixed with lymphocytes

EBER: positive nuclear staining for EBV-encoded RNA
Epstein Barr Virus-Associated Smooth Muscle Tumor

Andrew Chi, MD
Thomas Jefferson University Hospital
Philadelphia, Pennsylvania
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