Best Cases of the AIRP

February-March, 2016
67-year-old male with enlarging left gluteal mass. Left buttock injury in MVA 25 years ago. Left buttock injury in a fall more recently.
T1 FS subtraction image
Intraoperative picture
Intraoperative picture
T1 FS and matched gross photograph
Morel-Lavallee lesion

Dr. Kristopher McLean
McMaster University
Hamilton, Ontario
Canada
34-year-old female with worsening bilateral hand numbness and tingling, and bilateral throbbing ankle and heel pain over several years.
Ankle axial PD non FS and Axial T2 FS
Ankle axial PD non FS and Axial T2 FS
Sagittal T1 non FS and T2 FS
Xanthomatosis

Dr. Devrim Ersahin
Yale New Haven Hospital
New Haven, Connecticut
Genitourinary Best Case
Clinical Information

Withheld......
Primary Hyperoxaluria Type 1

Matthew Quirk, MD
UCLA Medical Center
Los Angeles, CA
Neuroradiology Best Case
History

57-year-old male transferred from outside facility by sister with progressive confusion and 1-day history of fever. Physical exam shows non-reactive pupils, no brainstem reflexes and no motor activity.
Coronal CT without Post Cor T1 Ax DWI Post Cor T1
Coronal CT without Post Cor T1

Ax DWI Post Cor T1

Ax FL

Perivascular inflammatory cells
Diffuse Meningitis, Abscess, and Ventriculitis (with intraventricular rupture and fluid-debris level)

Abdelkader Mahammedi, M.D.
University of Toledo
Toledo, Ohio
Pulmonary and Mediastinal Best Case
History

30 year old female with left shoulder pain found to have a left hilar mass on a shoulder study
PET/CT
Bronchial artery supply
3D reconstruction
Gross
Typical histology
Castleman’s Disease

Gregory Bonci, MD
Brigham & Women’s Hospital
Boston, MA
Cardiovascular Best Case
Clinical Information

48 year old female presents to ER with a pre-syncopal episode
Papillary Fibroelastomas

Yanki Tumer, MD
Northwestern University
Chicago, Illinois
Pediatric Best Case
9-year-old female who presented with a painless soft-tissue mass of left medial proximal thigh noticed suddenly by the patient herself 2 weeks prior.
Inflammatory Myofibroblastic Tumor

Mujtaba Mohammed, MD
SUNY Upstate
Syracuse, New York
Breast Best Case
Clinical Information

40 yo female with palpable lump in the right breast. Prior right lumpectomy for invasive ductal carcinoma 10 years ago treated with chemotherapy and radiation therapy.
Breast MRI
Breast MRI
Gross
Histology
Histology
Histology
Angiosarcoma

Chris Gu, MD
Mayo Medical Center
Rochester, MI
Many thanks to all of you for submitting such great cases!

From the staff of the
American Institute for Radiologic Pathology