Best Cases of the AIRP

April-May, 2016
51-year-old female presenting for diagnostic mammogram found to have an incidental chest wall mass.
Mediolateral oblique view
Breast US

LT 3 OCL 8 CM FN
Axial T1, T2 FS and T1 FS post
Axial CT and matched gross photograph
Axial CT and matched gross photograph
Juxtacortical Chondrosarcoma

Dr. Kari Visscher
London Health Science Center, Western University
London, Ontario, Canada
Honorable mention
75-year-old male with gradually enlarging mass in right thigh and increasing lower limb swelling
Axial T1 FS Pre and Axial T1 FS Post showing hemorrhagic necrosis
Axial T1 FS Pre and Axial T1 FS Post showing SFA
Coronal T1, STIR and T1 FS post showing hemorrhage
Coronal T1, STIR and T1 FS post showing SFA
Gross picture showing thrombus in SFV
Gross picture showing SFA
Gross picture showing SFA
Gross picture showing hemorrhage
Matched T1 FS pre and Gross picture showing encased SFA
High power microscopy picture
Leiomyosarcoma arising from vein wall

Dr. David Woodlock
University Hospital Galway
Galway, Ireland
Clinical information

39 year old male with altered mental status due to profound hypoglycemia.
Multifocal Solitary Fibrous Tumor

Andrew Degnan, M.D.
University of Pittsburgh
Pittsburgh, PA
Clinical Information

59-year-old euthyroid female with slowly enlarging neck mass for 12 years
Goiter

Mathew Bligh, M.D.
Queen Elizabeth II Health Sciences Centre
Halifax, Nova Scotia, Canada
Pulmonary and Mediastinal Best Case
Clinical Information

54 year old with 8 months of productive cough, prior weight loss and night sweats.
Previously negative PPD
Cavitary Mass
PET/CT
Aspergilloma

Bulla wall
Mycetoma
(predisposing bullous lung disease)

Kelly Hastings, MD
University of North Carolina
Chapel Hill, NC
Cardiovascular Best Case
Clinical Information

67 year old male with dyspnea, orthopnea and 2 liter oxygen requirement.
Erdheim-Chester Disease

- Non-Langerhans cell, non-familial multi-systemic lipogranulomatous disorder
- Infiltration by lipid laden macrophages, giant cells and fibrosis
- Systemic manifestations:
  - Bone
  - Lung
  - Kidney
  - Retroperitoneal
  - Skin
  - Vascular
Erdheim-Chester Disease

Philip Dougherty, MD
University of Washington Medical Center
Seattle, WA
Pediatric Best Case
Clinical Information

9-year-old patient presented to the Emergency Room with recurrent episodes of upper abdominal pain, nausea and vomiting.
Peutz-Jegher Syndrome/Intussusception

- Autosomal dominant
- Multiple hamartomatous polyps
  - Most common in small intestine
- Mucocutaneous melanin pigmentation involving the mouth, fingers and toes
Peutz-Jegher Syndrome/Intussusception

Daniel Furlanetto, MD
Hospital São Vicente de Paulo
Passo Fundo, Brasil
Breast Best Case
53-year-old woman with enlarging mass in the right breast for 3 months

On exam, there is a firm mass occupying the entire right breast
Malignant Phyllodes Tumor

Mathieu Schertz, MD
Institut Curie
Paris, France
Clinical Information

39 year-old female of Somali origin presents with periumbilical and left lower quadrant abdominal pain and vaginal bleeding.
Several years prior
Several years prior
Bladder

Uterus
Schistosomiasis with Squamous Cell Carcinoma of the Bladder

Matthew Poturalski, MD
Cleveland Clinic
Cleveland, OH