28-year-old male with increasing left hip and left knee pain and stiffness. He stated that he had a lump in the anterior aspect of left thigh since childhood.
Coronal T1 non FS and T2 FS images
Coronal T1 non FS and T2 FS images
Axial T1 non FS and T2 FS images
Axial T1 non FS and T2 FS images
Axial T1 non FS and T2 FS images
Axial T1 non FS and T2 FS images
T2 FS and matched gross photograph
T2 FS and matched gross photograph
T2 FS and matched gross photograph
T2 FS and matched gross photograph
T2 FS and matched gross photograph
High power microscopic picture
Malignant transformation of solitary osteochondroma

Dr. Robinson Yu
University of Pittsburgh
Pittsburgh, Pennsylvania
Honorable mention
61-year-old female with 12-month history of lumbar spine and left groin and left hip pain
Axial T1 non FS, post contrast and T2 FS
Axial T1 non FS, post contrast and T2 FS
Axial T1 non FS, post contrast and T2 FS
Axial T1 non FS, post contrast and T2 FS
Coronal T2 FS, Coronal T1 pre and post
T2 FS and matched gross photograph
T2 FS and matched gross photograph
T2 FS and matched gross photograph
T2 FS and matched gross photograph
Low power microscopy picture
Low power microscopy picture
Intramedullary Chondrosarcoma, Grade 2

Dr. Bernadette Wong
Princess Alexandra Hospital
Brisbane, Queensland
Australia
52 year old female with incidental hepatic mass found during work-up of left leg radiculopathy.
Mucinous Cystic Neoplasm

Farid Dahi, M.D.
University of Minnesota
Minneapolis, MN
Neuroradiology Best Case
66-year-old female with right neck fullness for 2 years, slowly increasing in size
“Lyre sign”
Zellballen architecture
Paraganglioma (Carotid Body Tumor)

Courtney Tomblinson, M.D.
Mayo Clinic
Phoenix, AZ
Pulmonary and Mediastinal Best Case
21 year old male in previously good health who presents with a 3 week history of low back pain, weight loss and fatigue. He was hypotensive on admission. The patient suffered a cardiopulmonary arrest nine days after admission.
Hilar and mediastinal adenopathy

Central tumor
Lung nodules

Adenocarcinoma
Lymphangitic tumor
Spinal metastasis
Pericardial metastasis

- Pericardial effusion
- Pericardial tumor
Pericardial metastasis
Pericardial drain traverses the liver
Pericardial drain traverses the liver
Metastatic Adenocarcinoma of the Lung
(Inadvertent placement of a pericardial drain through the liver)

Robert Love, MD
University of Vermont Medical Center
58 year old male presented with a 3 day history of anginal chest pain.

The patient suffered a syncopal episode in the ED, then underwent cardiac catheterization which showed 90% ostial stenosis of the left main coronary artery.
Syphilitic Aortitis with Coronary Artery Ostial involvement

Dr. Kevin Lian
Vancouver General Hospital
UBC Diagnostic Radiology
Vancouver, BC, Canada
Pediatric Best Case
11 year old female with history of Alport syndrome presents with dysphagia, chest pain and coughing and choking with exercise for 3 months.
Leiomyomatosis associated with Alport syndrome

Pamela Walsh, MD
North Shore-LIJ Radiology Residency
Great Neck, New York
79 yo female with lumpectomy for invasive ductal carcinoma 10 years ago treated with chemotherapy and radiation therapy. She presents with painless bruising.
Angiosarcoma

Vincent Spano
University of Toronto
Toronto, Ontario, Canada
59-year-old female with history of uterine fibroids presented to the ED with pre syncope. While in the ED, patient became febrile and developed acute 10/10 abdominal pain. CT scan was performed.
2 weeks prior
Many thanks to all of you for submitting such great cases!

From the staff of the American Institute for Radiologic Pathology