Musculoskeletal Best Case
27 year old male with one-year history of slowly enlarging right popliteal mass
Parosteal Osteosarcoma

Dr. Nicolas Murray
Laval University
Quebec City, Quebec, Canada
Honorable mention!
32 year-old female with progressive knee swelling for 4 years
Pigmented villonodular synovitis, diffuse type

Louis-Gabriel Racine, MD
Laval University
Quebec City, Quebec, Canada
Gastrointestinal Best Case
38 year old female with left lumbar pain.

(-) fever
(+ ) nausea, anorexia
Gross
Intraductal Papillary Mucinous Neoplasm of the Bile Ducts (IPMN-BD)

Francisco Carrasco, MD
Universidad De Los Andes
Santiago, Chile
Neuroradiology Best Case
69-year-old immunosuppressed male with acute superimposed increasing headache, disorientation, and depression
CT without Ax FLAIR Ax T2
ADC Ax T1 SWI
Numerous lymphocytes predominating in perivascular regions

Special immunohisto stains - all positive for EBV
CNS Lymphoma

Enric Ripoli, MD
Hospital Clinic de Barcelona
Barcelona, Spain
Pulmonary and Mediastinal Best Case
18 year old female with 10 months of intermittent hemoptysis. Episodes of flushing, headaches and palpitations.
Lower lobe collapse
Lower lobe collapse
Hyperinflated middle lobe

“ball-valve” bronchial narrowing by tumor
Bronchial Carcinoid

bronchus

tumor
Bronchial Carcinoid

Melanie Stenback, MD
Memorial University of Newfoundland
St. John’s, Canada
Cardiovascular Best Case
56 year old female with two week history of increasing abdominal pain, nausea and vomiting
Post-contrast abdominal CT imaging shows a soft tissue mass filling and expanding the IVC with contiguous invasion of the right renal vein.
PET-FDG fused CT image shows moderate FDG uptake within the IVC mass, slightly greater than blood pool.
IVC mass extends into the inferior right atrium.
Mass demonstrates heterogeneous enhancement on T1W post contrast study.
Resected, bi-valved specimen (including IVC mass and cut right kidney) appears multilobulated and partly hemorrhagic.
Histology reveals fascicles of spindle cells with multiple mitotic figures.
Leiomyosarcoma of the inferior vena cava

Lauren Saling, MD
Washington University School of Medicine
St. Louis, Missouri
Pediatric Best Case
6 year old African American male presents with right jaw pain, dysphagia, and facial swelling.
Desmoplastic Small Round Cell Tumor (DSRCT) of the Kidney

William Walton, MD
Vanderbilt University
Nashville, Tennessee
Breast Best Case
43 yo female with two masses detected on screening mammography
Ultrasound
Histology
Rosai-Dorfman
(sinus histiocytosis with massive adenopathy)

Mohammad Gharavi, MD
Aultman/Mercy Medical Center
Canton, Ohio
Genitourinary Best Case
49 yo female with left lower quadrant pain
HASTE

ADC
Leiomyosarcoma of the left ovarian vein

David Rotzinger, MD
Centre Hospitalier Universitaire Vaudois
Lausanne, Switzerland
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