Best Cases of the AIRP

March-April, 2015
Musculoskeletal Best Case
18 year old male who presented to the ED following a minor MVC
CLEAR CELL CHONDROSARCOMA WITH AN ABC COMPONENT

Jillian Lazor, MD
University of Pennsylvania
Philadelphia, PA
Genitourinary Best Case
Clinical Information

27 yo G2P1 female presented with 2-3 week history of abdominal cramping and nausea/vomiting. LMP 10 weeks prior. bHCG 375,401.
Ultrasound
Ultrasound
Ovary

Endometrial Canal

?
Ultrasound
CT
Laparoscopy
Laparoscopy
Laparoscopy
Laparoscopy
Histology
Histology
Choriocarcinoma

Rachel Shields, MD
University of Rochester Medical Center
Rochester, NY
Neuroradiology Best Case
Clinical Information

23-year-old male with progressively altered mental status. Known intranasal heroin user.
Zygomycosis (probable mucormycosis)

Emily Orschein, MD
University of Cincinnati
Cincinnati, Ohio
Pulmonary and Mediastinal
Best Case
Clinical Information

70 year old female transferred to the emergency room status post lung biopsy of a right apical lung mass
Post biopsy position of the mass
Mass position prior to biopsy
Mass position prior to biopsy
Change in position of the mass
Change in position of the mass
Mass on a vascular pedicle
Mass on a vascular pedicle
Solitary Fibrous Tumor
Solitary Fibrous Tumor

Christopher Bailey, MD
West Virginia University
Morgantown, WV
Cardiovascular Best Case
Clinical Information

54 yo male presents to ER with increasing dyspnea, orthopnea and dry cough
Contrast-enhanced CT of the chest shows a multilobulated soft tissue filling defect within the right atrium.
Contrast-enhanced CT of the chest (coronal reformat) confirms multilobulated soft tissue filling defect (red arrow) within right atrium.
Axial T1-weighted post-gadolinium MR image shows heterogeneous contrast enhancement of the right atrial mass (yellow arrow).
Intraoperative view of opened right atrium shows multi-lobulated pink vascular mass within the chamber
Histologic examination shows a “starry sky” appearance of densely packed tumor cells packed around macrophages.
B cell (Burkitt’s) Lymphoma

Janaina Johnsson, MD
Hospital Sao Camilo
Sao Paulo, Brazil
Pediatric Best Case
Clinical Information

4 year old girl with history of metachromatic leukodystrophy presents from at outside hospital with hematemesis, melena and anemia requiring multiple transfusions.
Papilloma of the Gallbladder associated with Metachromatic Leukodystrophy

Carolyn Herman, MD
Indiana University
Indianapolis, Indiana
Clinical Information

Hispanic male with left nipple itching and a palpable lump
Left Mammogram
Gross Pathology
Gross Pathology
Histology
Breast Cancer Types by Gender

Males
- Ductal
- Papillary /Other
- ILC

Females
- IDC/DCIS
- ILC
- Papillary
- Medullary
- Mucinous
- Tubular
Invasive Lobular Carcinoma in a Male

Anita Ong
Mercy Hospital and Medical Center
University of Illinois at Chicago
Chicago, Illinois
Gastrointestinal Best Case
Clinical Information

47 year old female presents for work-up of abdominal masses found at an outside hospital.
Gross
Histology
Benign Multicystic Peritoneal Mesothelioma

Ruri Lee, M.D.
New York Medical College
Westchester Medical Center
Valhalla, NY
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