

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
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08:00 – 09:45

Session I:

Moderators: Andrew Horvai, Stephanie Bernard

Case Presentations

08:00

Case 1: A 60-year-old male presents with lower back pain.

Adrienne Flanagan, Simon Haefliger, Fernanda Amary, Paul O'Donnell
(Royal National Orthopaedic Hospital, Stanmore, Greater London, United Kingdom, Universtiry College London, Cancer Institute, London, United Kingdom)

08:15

Case 2: A 29-year-old female presents with elbow pain following an injury while giving birth.

Jamie Crist, Anders Meyer, Brian Everist, Kyle Sweeney, Shi Wei
(University of Kansas, Kansas City, KS, USA)

08:30

Case 3: A 51-year-old male presents with bilateral knee pain, clicking, instability (left > right) which has been present for several years.

Daniel Ramirez, Michael Klein, Douglas Mintz, Edward DiCarlo
(Hospital for Special Surgery, New York, NY, USA)

08:45

Case 4: A 12-year-old female presents with diffuse parascapular enlargement, tightness and pain.

Mark Murphey, Julie C. Fanburg-Smith, Steven Savioli
(AIRP, Silver Spring, MD, USA, Penn State Health, Hershey, PA, USA)

09:00

Case 5: A 15-year-old female presents with multiple lytic lesions in the extremities and nonunion pathologic fracture of the left femur.

Robert Schneider, Roberto García, Edward DiCarlo, Syed Hoda
(Hospital for Special Surgery and NYU Langone Health, New York, NY, USA)

09:15

Case 6: A 3-year-old female presents with inability to move her right arm.

Shivani Ahlawat, Laura Fayad, Carol Morris, Pedram Argani, Christine Pratilas, Allan Belzberg, Adam Levin, Mari Groves, John Gross
(Johns Hopkins University, Baltimore, MD, USA)

09:30

Case 7: An 8-year-old female presents with cough, wheezing/shortness of breath, congestion, runny nose, loss of appetite, one episode of vomiting, and reported exposure to COVID.

Nancy Chauvin, Julie C. Fanburg-Smith, Donald Flemming, Mark Murphey
(Penn State Health, Hershey, PA, USA, AIRP, Silver Spring, MD, USA)

10:00 – 12:00

Session II:

Moderators: Fernanda Amary, Jenny Bencardino

Case Presentations

10:00

Case 8A: A 62-year-old male presents with knee pain and soreness exacerbated with climbing stairs and then persisted while hunting, for approximately 9 months duration.

Carol Morris, John Reith, Meera Hameed, Aaron James, Ed McCarthy, Laura Fayad, Shivani Ahlawat, John Gross (Johns Hopkins University, Baltimore, MD and Cleveland Clinic Foundation, Cleveland, OH and Memorial Sloan Kettering Cancer Center, New York, NY, USA)

10:05

Case 8B: A 38-year-old male patients with abdominal discomfort, thrombocytopenia and leukopenia, enlarged spleen and multiple bone lesions.

Roman Guggenberger, Reto Sutter, Chantal Pauli (Diagnostic and Interventional Radiology, University Hospital Zurich and Orthopedic University Hospital Balgrist and Department of Pathology and Molecular Pathology, University Hospital Zurich, Zurich, Switzerland)

10:10

Case 8C: A 14-year-old male presents with a pathologic fracture of the right humerus, without a history of trauma.

Wolfgang Hartmann, Daniel Baumhoer, Dorothee Harder, Anna Hirschmann, Simon Haefliger (University Hospital Münster, Gerhard-Domagk-Institute of Pathology, Muenster, Germany and USB Pathology and USB Radiology, Imamed Nordwest, Basel, Switzerland)

10:20

Case 9A: A 15-year-old female presents with radiating leg pain, for weeks.

Martin Jones, Wendy Brown, Paul Stalley, Fiona Bonar (Douglass Hanly Moir Pathology and Royal Prince Alfred Hospital, Sydney, Australia)

10:25

Case 9B: A 16-year-old female presents with a painless enlarging mass over the right shoulder for 4 months, no history of trauma.

Meera Hameed, Sinchun Hwang, Nicola Fabbri (Memorial Sloan Kettering Cancer Center, New York, NY, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

10:35

Case 10: An 82-year-old female presents with nausea, eructation, multiple skin and soft tissue tumors, and a new right upper chest wall subcutaneous mass, with reported negative sarcoma fusion panel.

Julie C. Fanburg-Smith, Mark D. Murphey, Harry N. Kamerow, Sarah J. Carroll, Donald Flemming, Christy French, Elizabeth Frauenhoffer, Eric Cochran, Eric Walker
(Penn State, Hershey, PA, and ACR-AIRP, Silver Spring, MD, USA)

10:45

Case 11: A 10-year-old female came to our hospital with the diagnosis of Ewing sarcoma of the right scapula after 2 cycles of chemotherapy (IE and VAC).

Alessandro Franchi, Virna Zampa, Giacomo Aringhieri, Rodolfo Capanna, Antonio D'Arienzo
(University of Pisa and Azienda Ospedaliera Universitaria Pisana, Pisa, Italy)

11:00

Case 12: A 27-year-old male presents with a rib mass.

Anders Meyer, Jamie Crist, Brian Everist, John Reith
(University of Kansas, Kansas City, KS and Cleveland Clinic, Cleveland, OH, USA)

11:15

Case 13: A 29-year-old male presents with a firm mass of the left anterior chest in the summer of 2020. No history of injury or trauma; however, he is a stunt double.

John Gross, Ming-Tseh Lin, Ying Zou, Liqun Jiang, Aaron James, Edward McCarthy, Shivani Ahlawat, Laura Fayad, Carol Morris
(Johns Hopkins University, Baltimore, MD, USA)

11:30

Case 14: A 25-year-old female presents with 7 years of back pain since 2015. Original case presented at ISS 2019. Now presents 2021 with pain and new mass in prior tumor site.

Ashkan Ahmadian, Hoiwan Cheung, Jose Mantilla, Yajuan Liu, Jatin Gandhi, Benjamin Hoch, Robert Ricciotti
(University of Washington, Seattle, WA and Iowa Pathology Associates, Des Moines, IA, USA)

11:45

Case 15: A 14 -year-old male presents with a pathological fracture of the right distal femur.

Peter Steadman, Fiona Bonar, Carrie Inwards, John Earwaker, Janene Davies, Sarah Sim
(Mayo Clinical MI, USA and University of Queensland, Brisbane, Australia)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

12:00 – 12:50

The Founders' Lecture

Honoring Dr. William Palmer, Harvard Medical School, Department of Radiology, Massachusetts General Hospital, Boston, MA

Presented by:

Dr. Daniel Rosenthal, Harvard Medical School, Department of Radiology, Massachusetts General Hospital, Boston, MA

12:50 – 13:00

Seed Grant Recipient 2020

Improving Diagnostic Accuracy for Maxillofacial Bone Tumors

Arjen H.G. Cleven, Leids University Medical Center

Interdisciplinary
Unknown Cases

Day 3

SEPTEMBER 2019

Sat
7

Sun
8

Mon
9

Tue
10

Wed
11

Thu
12

Fri
13

14:00 – 15:00

Session III:

Moderators: Marco Gambarotti, Doris Wenger

Case Presentations

14:00

Case 16: A 21-year-old male presents with 3 months of right groin and thigh pain, mostly in the morning.

Nogah Shabshin, Judit Krausz, Viktoriya Chijik, Sergey Postovsky, Tal Dujovny, Eytan Dujovny, David Nikomarov (Emek Medical Center, Clalit Healthcare Services, Afula and Rambam Healthcare Campus, Haifa, Israel)

14:15

Case 17: A 4-year-old male presents with a painful swelling of the right distal thigh, without trauma history.

Daniel Baumhoer, Dorothee Harder, Anna Hirschmann, Andreas Krieg, Simon Haefliger, Maya Niethard (University Hospital Basel, and University Hospital Basel and Imamed Radiologie Nordwest and University Children's Hospital (UKBB), Basel, Switzerland and Helios Klinikum Berlin-Buch, Berlin, Germany)

14:30

Case 18: A 57-year-old female presents with acute left knee pain.

Maria Bedoya, Kristin Weber, Jeremy Molligan, Jenny Bencardino (University of Pennsylvania, Philadelphia, PA, USA)

14:45

Case 19: A 60-year-old male presents with several years of chronic bilateral knee pain, left greater than right, now new left thigh pain.

Maria Bedoya, Kristin Weber, Jeremy Molligan, Jenny Bencardino (University of Pennsylvania, Philadelphia, PA, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat
22

Sun
23

Mon
24

Tue
25

Wed
26

Thu
27

Fri
28

15:15 – 17:30

Session IV:

Moderators: Judith Bovee, Kambiz Motamedi

Case Presentations

15:15

Case 20A: A 38-year-old female presents with painless swelling of the right frontal area.

Daniel Baumhoer, Dorothee Harder, Anna Hirschmann, Simon Haefliger
(USB and Imamed Nordwest, Basel, Switzerland)

15:20

Case 20B: A 14-year-old male presents with a mass of the left maxillary sinus.

Arjen Cleven, Kirsten Langevelde, Pim Schreuder
(University Medical Center Groningen, Leiden University Medical Center, Leiden and Academic Medical Center Amsterdam/Antoni van Leeuwenhoek Hospital, Amsterdam, Netherlands)

15:30

Case 21: A 26-year-old female presents with a mass of the left lateral malleolus, irritated by certain shoes.

Nogah Haramati, Javier Laurini, Esperanza Villanueva-Siles, Roberto García
(Albert Einstein College of Medicine, Bronx, NY and Hospital for Special Surgery, New York, NY, USA)

15:45

Case 22: A 33-year-old male presents with increasing pain of the right foot, with functional impairment.

Marco Gambarotti, Tommaso Frisoni, Alberto Bazzocchi, Emanuela Palmerini, Toni Ibrahim, Davide Donati, Angelo Paolo Dei Tos, Marta Sbaraglia, Stefania Benini, Alberto Righi
(Rizzoli Orthopaedic Institute, Bologna, Italy and University of Padua, Padova, Italy)

16:00

Case 23: A 27-year-old male presents with bone swelling of the right mandibular region, causing root resorption.

Fernanda Amary, Paul O'Donnell, Lisette Collins, Adrienne Flanagan
(Royal National Orthopaedic Hospital, Stanmore and University College, Cancer Institute, and Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

16:15

Case 24: A 59-year-old male presents with a longterm painless, palpable mass behind the left ear, growing and more overt during COVID while mask wearing, associated with progressive hearing loss.

David Kephart, Samuel Madson, Erica Kao, Stephanie Bernard
(San Antonio Military Medical System, San Antonio, TX, USA)

16:30

Case 25: A 40-year-old male presents with an enlarging left postero-lateral thigh mass over the past 6 months.

Roberto García, MD, Daniel Ramírez, MD, Tiangui Huang, MD, Nogah Haramati, MD
(Hospital for Special Surgery, New York, NY, USA, Elmhurst Hospital Center, Elmhurst, NY, USA, Albert Einstein College of Medicine, New York, NY, USA)

16:45

Case 26: An 88-year-old female presents with a one-year history of enlarging mass in the neck that had been present for 30 years, without trauma.

Aya Sasaki, Ukei Anazawa, Yuko Kobashi
(Tokyo Dental College Ichikawa General Hospital, Ichikawa, Japan)

17:00

Case 27: A 50-year-old female presents with numbness, pain and muscle weakness, without trauma.

Yuko Kobashi, Aya Sasaki, Ukei Anazawa
(Tokyo Dental College Ichikawa General Hospital, Ichikawa, Japan)

17:15

Case 28: A 15-year-old female presents with a left scalp mass that was first noted a year ago and is more painful after a volleyball injury.

Laura Fayad, Aaron James, Mari Groves, Kathryn Lemberg, Carol Morris, Shivani Ahlawat, John Gross
(Johns Hopkins University, Baltimore, MD, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

07:30 – 09:45

Session V:

Moderators: Leonard Kahn, Christine Chung

Case Presentations

07:30

Case 29: A 42-year-old female presents with a new soft tissue mass of the left thigh and a prior history of radiated desmoid.
Matthew Bucknor, Kevin McGill, Thomas Link,
Lynne Steinbach, Andrew Horvai
(University of California, San Francisco, San Francisco, CA, USA)

07:45

Case 30A: A 60-year-old-male presents with a one-month history of enlarging abdominal mass.
Shinji Saruya, Hiroki Imada, Tomonori Kawasaki, Kozue Ito, Tomoaki Torigoe, Yasuo Yazawa, Jiro Ichikawa, Satoshi Kanno, Mamoru Niitsu, Takehiko Yamaguchi
(Saitama Medical University, Moroyama, Saitama Medical University Saitama Medical Center, Kawagoe, Saitama Medical University International Center, Hidaka, University of Yamanashi, Chuo, J Dokkyo Medical University Nikko Medical Center, Nikko, Japan)

07:50

Case 30B: A 45-year-old female presents with a rapidly developing painless soft tissue buttock mass.
Steven Savioli, MD, Julie C. Fanburg-Smith, MD,
Mark Murphey, MD
(AIRP, Silver Spring, MD, USA, Penn State Health, Hershey, PA, USA)

08:00

Case 31A: A 57-year-old male, with a history of polymyositis-associated interstitial lung disease and on chronic immunosuppression therapy, presents with an acute onset of radiating numbness and pain in a C6 distribution.
Julie C. Fanburg-Smith, MD, Mark Murphey, MD,
Steven Savioli, MD
(Penn State Health, Hershey, PA, USA, AIRP, Silver Spring, MD, USA)

08:05

Case 31B: A 36-year-old female with known prior kidney transplant and thermal ablation of liver mass presents with left proximal femur endosteal scalloping.
Jeffrey Peterson, MD, Hillary Garner, MD, Daniel Wessell, MD, PhD, Mark Edgar, MD
(Mayo Clinic Florida, Jacksonville, FL, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

- 08:15 **Case 32: A 57-year-old female presents with a 3-month history of left knee pain and swelling following a fall, treated at an outside institution for a deep venous thrombosis five months ago.**
David Suster, MD, Judah Goldschmiedt, MD, Kathleen Beebe, MD, Seena Aisner, MD
(Rutgers New Jersey Medical School, Newark, NJ, USA)
- 08:30 **Case 33: A 21-year-old male presents with left knee swelling and mass on the lateral side of the left tibia.**
Hiroki Imada, Tomonori Kawasaki, Shinji Saruya, Tomoaki Torigoe, Yasuo Yazawa, Kozue Ito, Satoshi Kanno, Jiro Ichikawa, Mamoru Niitsu, Takehiko Yamaguchi
(Saitama Medical University Saitama Medical Center, Kawagoe, Saitama Medical University International Medical Center, Hidaka, Saitama Medical University, Moroyama, University of Yamanashi, Kofu, Dokkyo Medical University Nikko Medical Center, Nikko, Japan)
- 08:45 **Case 34: An 82-year-old female presents with limited range of motion and pain in the left knee joint for several years; a synovectomy was performed a year ago.**
Miho Okuda, Takayuki Nojima, Hiroko Ikeda, Toshifumi Gabata, Norio Yamamoto, Hiroyuki Tsuchiya
(Kanazawa University Hospital, Kanazawa, Japan)
- 09:00 **Case 35: A 58-year-old otherwise healthy male presents with intermittent pain and swelling of the right knee, recently requiring crutches.**
Dariusz Borys, MD, Anna Cooper, MD, Emad Allam, MD, Anup Alexander, MD
(Loyola University Medical Center, Maywood, IL, USA)
- 09:15 **Case 36: A 65-year-old female with chronic low back pain and previous left knee replacement presents with a several-year history of gradually worsening of an atraumatic, painful non-weight-bearing, left hip.**
Vishwas Tiwari, MD, Kyle Perry, MD, Husain Saleh, MD, Joseph Craig, MBChB
(Henry Ford Health System, Detroit, MI, USA)
- 09:30 **Case 37: A 54-year-old female with diabetes, congestive heart failure, end-stage renal disease on hemodialysis presents with left knee pain and swelling.**
Claus Simpfendorfer, MD, John Reith, MD
(Cleveland Clinic, Cleveland, OH, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

10:00 – 12:00

Session VI:

Moderators: Daniel Baumhoer, Paul O'Donnell

Case Presentations

10:00

Case 38: A 34-year-old female presents with knee pain after long periods of standing, atraumatic, for one year.

Laura Fayad, MD, John Gross, MD, Adam Levin, MD, Carol Morris, MD, Aaron James, MD, Shivani Ahlawat, MD, Ed McCarthy, MD
(Johns Hopkins Hospital, Baltimore, MD, USA)

10:15

Case 39: A 23-year-old male presents with viral sepsis and twelve months of right hip pain at night and with ambulation.

Wendy Brown, Anthony Leong, Martin Jones, Fiona Bonar
(Royal Prince Alfred Hospital, Camperdown, Australia, The Orthocentre, Kareena Private Hospital, Caringbah, Australia, Douglass Hanly Moir Pathology, Macquarie Park, Australia)

10:30

Case 40: An 18-year-old female presents with progressive hip pain for 8 months, not relieved by NSAIDs and walking with a cane.

Frederique Larousserie, MD, PhD, Jean Luc Drape, MD, PhD
(Université de Paris, Paris, France)

10:45

Case 41: A 31-year-old male presents with right wrist pain for one year, with no obvious trauma.

Ikuo Nakai, MD, Jun Nishida, MD, PhD, Tetsuo Imamura, MD
(Nishi Omiya Hospital, Omiya, Saitama, Japan, Tokyo Medical University, Shinjuku, Tokyo, Japan, Teikyo Junior College, Shibuya, Tokyo, Japan)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

11:00

Case 42: A 34-year-old male, who serves in the military, presents with pain, deformities and instability of his left wrist.
Irena Boulytcheva, MD, PhD, Elizaveta Kozlova, MD,
Alexandra Fedorova, MD, PhD
(N.N. Blokchin's Russian National Research Cancer Center,
Moscow, Russian Federation)

11:15

Case 43: WITHDRAWN

11:30

Case 44: A 65-year-old female presents with a 2-year history of lower leg pain secondary to a left tibia mass.
Jeremy Molligan, MD, Andre Oliveira, MD, PhD, Carrie
Inwards, MD, Daman Samrao, MD, Doris Wenger, MD
(Mayo Clinic, Rochester, MN, USA, Laboratory Medicine
Consultants at Sonic Health USA, Las Vegas, NV, USA)

11:45

Case 45: A 69-year-old male presents with a chronic, recently painful, enlarging mass left fibula mass, called "fibrous dysplasia" years ago.
Paul O'Donnell, FRCR, Fernanda Amary, PhD,
Adrienne Flanagan, PhD
(Royal National Orthopaedic Hospital, Greater London, United
Kingdom, Cancer Institute, University College London, London,
United Kingdom)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

12:00 – 12:50

The Founders' Lecture

Honoring Dr. Mark Kransdorf, Mayo Clinic College of Medicine and Science, Department of Radiology, Mayo Clinic Hospital, Phoenix, AZ

Presented by:

Dr. Mark D. Murphey, ACR Institute for Radiologic Pathology (AIRP), Silver Spring, MD; Uniformed Services University of the Health Sciences, Bethesda, MD

12:50 – 13:00

Seed Grant Recipient 2020

Optimization of the Radiofrequency Pulse Polarization for Reduction of Metal Related Artifacts in 3T Magnetic Resonance Imaging of the Hip Arthroplasty Implants

Iman Khodarahmi, NYU Langone

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

14:00 – 15:00

Session VII:

Moderators: Fiona Bonar, Sinchun Hwang

Case Presentations

14:00

Case 46: A 79-year-old male presents with chronic left arm pain for 9 months. Past medical history is significant for low grade B cell lymphoma (left axillary lymph node), hypertension, and prostatic hyperplasia with a family history of multiple carcinomas.

Carol Morris, MD, John Gross, MD, Laura Fayad, MD, Aaron James, MD, Shivani Ahlawat, MD, Adam Levin, MD, Ed McCarthy, MD
(Johns Hopkins University, Baltimore, MD, USA)

14:15

Case 47: A 38-year-old male presents with left knee pain, following a hyperextension injury 8 months previously.

Alessandro Franchi, MD, Virna Zampa, MD, Giacomo Aringhieri, MD, Rodolfo Capanna, MD, Lorenzo Andreani, MD, Raffaele Gaeta, MD
(University of Pisa, Pisa, Italy, Azienda Ospedaliera Universitaria Pisana, Pisa, Italy)

14:30

Case 48: A 47-year-old male presents with palpable, painless leg mass for fourteen months.

Amer Hanano, MD, Hakan Ilaslan, MD, MBA, John Reith, MD, Jorge Manrique-Succar, MD, Julia Diacovo, MD
(Cleveland Clinic, Cleveland, OH, USA)

14:45

Case 49: A 64-year-old male presents with new onset left knee pain for 2 weeks, worse with walking and activities.

Claus Simpfendorfer, MD, John Reith, MD
(Cleveland Clinic, Cleveland, OH, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

15:15 – 17:30

Session VIII:

Moderators: Carrie Inwards, Hakan Ilaslan, Carol Morris

Case Presentations

15:15

Case 50: A 59-year-old male presents with bilateral asymptomatic inguinal hernias.

Seena Aisner, MD, David Suster, MD, Joseph Benevenia, MD, Cornelia Wenokor, MD, Samuel Benevenia, BS (Rutgers New Jersey Medical School, Newark, NJ, USA, Orthotin LLC, Whippany, NJ, USA)

15:30

Case 51: A 28-year-old female presents with a 5-month history of lower back and radiating left leg neuropathic-type pain.

Paul O'Donnell, FRCR, Fernanda Amary, PhD, Adrienne Flanagan, PhD (Royal National Orthopaedic Hospital, Greater London, United Kingdom, Cancer Institute, University College London, London, United Kingdom)

15:45

Case 52: A 59-year-old female, with a past history of smoking and back pain after a fall nine months ago, now presents with two-days of weakness and inability to ambulate.

Robert Lopez, MD, Brian Howard, MD, William Ahrens, MD (Carolinas Medical Center, Charlotte, NC, USA)

16:00

Case 53: A 17-year-old male tennis player presents with a few months of right shoulder pain, without history of trauma.

Samuel Kenan, MD, Shachar Kenan, MD, Howard Goodman, MD, Morris Edelman, MD, Leonard Kahn, MD (North Shore LIJ, Northwell Health Medical Center, New Hyde Park, NY, USA)

16:15

Case 54: A 30-year-old male presents with a mass on the superior aspect of the right shoulder for one year.

Sinchun Hwang, MD, Meera Hameed, MD, Nicola Fabbri, MD (Memorial Sloan Kettering Cancer Center, New York, NY, USA)

Interdisciplinary
Unknown Cases

Day 3

OCTOBER 2022

Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28
-----------	-----------	-----------	-----------	-----------	-----------	-----------

16:30

Case 55: A 60-year-old female presents with a four-month history of swelling in the right deltoid region.

Fernanda Amary, MD PhD, Paul O'Donnell, MD,
Adrienne Flanagan, MD PhD
(Cancer Institute, University College London, London,
United Kingdom, Royal National Orthopaedic Hospital,
Stanmore, Greater London, United Kingdom)

16:45

Case 56: A 38-year-old female presents with long-standing bilateral shoulder and upper back pain, left greater than right, with decreased internal rotation and left shoulder popping.

Jenny Bencardino, MD, Arvind Annamalai, BS,
Kristy Weber, MD, Kumarasen Cooper, MBChB, DPhil
(Hospital of the University of Pennsylvania, Philadelphia, PA, USA)

17:00

Case 57: A 13-year-old female presents with intermittent right shoulder pain and history of a mass involving the right brachial plexus.

Darlene Holden, MD, Hakan Ilaslan, MD, Scott Kilpatrick, MD
(Cleveland Clinic, Cleveland, OH, USA)