



SUNDAY, OCTOBER 17, 2021

Course Directors: *Julie C. Fanburg-Smith, MD, Mark D. Murphey, MD and Franklin H. Sim*

8:50 AM - 9:00 AM Announcements & Opening Remarks
Moderators: *Julie C. Fanburg-Smith, MD, Mark D. Murphey, MD, Franklin H. Sim, MD, Carol Morris, MD, MS*

PART 1: UPDATE BONE & SOFT TISSUE TUMOURS, MOLECULAR, INTERDISCIPLINARY APPROACH

9:00 AM - 9:25 AM Overview: Bone and Soft Tissue Tumors: Interdisciplinary Rad-Surg-Path Approach to Challenging Cases
Julie C. Fanburg-Smith, MD - Penn State Health/Milton S. Hershey Medical Center/Penn State College of Medicine, USA
Mark D. Murphey, MD - American College of Radiology (ACR) Institute for Radiologic Pathology (AIRP), USA
Carol Morris, MD, MS - Johns Hopkins Hospital, USA

9:25 AM - 9:40 AM Select Soft Tissue Tumors, Novel Concepts
Yoshinao Oda, MD - Kyushu University, Fukuoka, Japan

9:40 AM - 9:55 AM Benign Bone Tumors, Molecular Update
Adrienne Flanagan, MB, BCh, PhD - Royal National Orthopaedic Hospital NHS, UK

9:55 AM - 10:15 AM Giant Cell Rich Tumors of Bone, Rad-Path Correlation
Dmitrii Rogozhin, MD, PhD - Russian Children's Clinical Hospital, Russia
Hakan Ilaslan, MD - Cleveland Clinic, USA

10:15 AM - 10:30 AM Malignant Bone Tumors, Molecular Update
Judith Bovee, MD, PhD - Leiden University, Netherlands

10:30 AM - 10:50 AM Atypical Cartilaginous Neoplasm Terminology, Clinicopathologic Controversy and Consensus
Scott Kilpatrick, MD - Cleveland Clinic, USA
Nicola Fabbri, MD - Memorial Sloan Kettering Cancer Center, USA

10:50 AM - 11:10 AM Vascular Tumors, Molecular Update - Rad-Path Correlation
Fernanda Amary, MD, PhD - Royal National Orthopaedic Hospital NHS, UK
Paul O'Donnell, MBBS, FRCP, FRCR - Royal National Orthopaedic Hospital NHS, UK

11:10 AM - 11:30 AM Nerve Sheath Tumors -Rad-Path Correlation
Laura Fayad, MD - Johns Hopkins University, USA
John Reith, MD - Cleveland Clinic, USA

11:30 AM - 11:45 AM How Close is Too Close? Multidisciplinary Margin Assessment for Soft Tissue Sarcoma
Jay Wunder, MD - Mount Sinai, Canada

11:45 AM - 12:15 PM **LIVE Q&A**

12:15 PM - 12:45 PM **LUNCH BREAK**

PART 2: INTERDISCIPLINARY APPROACH TO SMALL BIOPSY, NON-NEOPLASTIC TOPICS, ARTIFICIAL INTELLIGENCE

12:45 PM - 1:10 PM Bone, Small Biopsy, Multidisciplinary Collaboration
Carrie Inwards, MD - Mayo Clinic, USA
Franklin H. Sim, MD - Mayo Clinic, USA
Doris Wenger, MD - Mayo Clinic, USA

1:10 PM - 1:35 PM Bone Cyst/Low Grade Sarcoma NFATC2 Small Biopsy, Multidisciplinary Collaboration
Daniel Baumhoer, MD - University Hospital Basel, Switzerland
Anna Hirschmann, MD - Imamed Radiologie Nordwest, Switzerland
Peter Rose, MD - Mayo Clinic, USA

1:35 PM - 1:55 PM Joint, Small Biopsy Rad-Path Correlation
Andrew Horvai, MD, PhD - University of California, San Francisco, USA
Thomas Link, MD, PhD - University of California, San Francisco, USA

1:55 PM - 2:20 PM Overview Pathophysiology and Molecular Biology of Osteoblasts and Osteoclasts - In Health and Disease
Andrew Rosenberg, MD - University of Miami, USA

2:20 PM - 2:55 PM Summary of Metabolic Bone Disease
Michael Klein, MD - Hospital for Special Surgery, USA

2:55 PM - 3:10 PM Why Microscopic Examination is Necessary in Evaluating Arthroplasties
Edward DiCarlo, MD - Hospital for Special Surgery, USA

3:10 PM - 3:25 PM Digital Pathology Update
Dariusz Borys, MD - Loyola University, USA

3:25 PM - 3:45 PM Artificial Intelligence
Meera Hameed, MD - Memorial Sloan Kettering Cancer Center, USA
Sinchun Hwang, MD - Memorial Sloan Kettering Cancer Center, USA

3:45 PM - 4:15 PM **LIVE Q&A and Closing Remarks**