



INTERDISCIPLINARY MUSCULOSKELETAL COURSE

For Pathologists, Radiologists, Orthopedic Surgeons, and Oncologists, Trainees to Subspecialists

SUNDAY, OCTOBER 4, 2020

COURSE DIRECTORS: **Dr. Julie C. Fanburg-Smith, MD** Orthopedic and Soft Tissue Pathology
Dr. Mark D. Murphey, MD Musculoskeletal Radiology **Dr. Franklin H. Sim, MD** Orthopedic Oncologic Surgery

7:15am - 8:00am Registration

PART 1: OVERVIEW

Moderators: *Dr. Julie C. Fanburg-Smith, Dr. Mark D. Murphey, Dr. Franklin H. Sim*

- 8:00am – 8:30am **Bone and Soft Tissue Consultation Overview: Multidisciplinary Approach to Musculoskeletal (MSK) Tumor Cases** - *Dr. Julie C. Fanburg-Smith, Dr. Mark D. Murphey, Dr. Carol Morris, Penn State Health, Milton S Hershey Medical Center, American Institute for Radiologic Pathology, Johns Hopkins*
- 8:30am – 8:50am **Overview Pathophysiology and Molecular Biology of Osteoblasts and Osteoclasts - In Health and Disease** *Dr. Andrew Rosenberg, University of Miami*
- 8:50am – 9:00am **Overview: Questions and Comments**

PART 2: MSK NON-NEOPLASTIC

Moderators: *Dr. Michael Klein, Dr. S. Fiona Bonar, Dr. Julie C. Fanburg-Smith, Dr. Franklin H. Sim, Dr. Mark D. Murphey*

- 9:00am – 9:20am **Summary of Metabolic Bone Disease** - *Dr. Michael Klein, Hospital for Special Surgery*
- 9:20am – 9:35am **Reactive Soft Tissue Processes** - *Dr. Hakan Ilaslan, Cleveland Clinic*
- 9:35am – 9:50am **Tendinitis, Pathologic Conundrum** - *Dr. S. Fiona Bonar, Australia*
- 9:50am – 10:05am **Why Microscopic Examination is Necessary in Evaluating Arthroplasties** - *Dr. Edward DiCarlo, Hospital for Special Surgery*
- 10:05am – 10:15am **Non-Neoplastic: Questions and Comments**
- 10:15am – 10:35am **BREAK**

PART 3: MSK NEOPLASTIC

Moderators: *Dr. Mark D. Murphey, Dr. Franklin H. Sim, Dr. Julie C. Fanburg-Smith, Peter Rose*

- 10:35am – 10:55am **Radiologic and Pathologic Assessment of Giant Cell Tumours in Bone** - *Dr. Laura Fayed, Dr. Dmitri Rogozhin, Johns Hopkins and Russia*
- 10:55am – 11:15am **Bone Vascular Tumors Rad-Path-Molecular Correlation** - *Dr. Fernando Amary, Dr. Paul O'Donnell, London, England*
- 11:15am – 11:45am **What We Cannot Miss in Malignant Bone When Rad-Path-Ortho Works Together (Case Presentations)** - *Dr. Daniel Baumhoer, Dr. Anna Hirschmann, Dr. Peter Rose, Switzerland and Mayo Clinic*
- 11:45am – 11:55am **Neoplastic: Questions and Comments**
- 11:55am – 12:55pm **LUNCH**

PART 4: MSK SMALL BIOPSY: IMPORTANCE OF MULTIDISCIPLINARY COLLABORATION

Moderators: *Dr. Franklin H. Sim, Dr. Doris Wenger, Dr. Carrie Inwards*

- 12:55pm – 1:25pm **Small Biopsy, Multidisciplinary Collaboration for Bone Tumors** - *Dr. Carrie Inwards, Dr. Franklin H. Sim, Dr. Doris Wenger, Mayo Clinic*
- 1:25pm – 1:55pm **Small Biopsy, Multidisciplinary Collaboration for Joints** - *Dr. Andrew Horvai, Dr. Thomas Link, University of California San Francisco*
- 1:55pm – 2:05pm **Small Biopsy Questions and Comments**

PART 5: MSK UPDATE ON MODERN TECHNOLOGY

Moderators: *Dr. Franklin H. Sim, Dr. Mark D. Murphey, Dr. Meera Hameed*

- 2:05pm – 2:25pm **Artificial Intelligence** - *Dr. Meera Hameed, Dr. Sinchun Hwang, Memorial Sloan Kettering*
- 2:25pm – 2:40pm **Digital Pathology** - *Dr. Dariusz Borys, Loyola*
- 2:40pm – 2:50pm **Modern Technology Questions and Comments**

PART 6: MSK MOVING FORWARD

Moderators: *Dr. Julie C. Fanburg-Smith, Dr. Franklin H. Sim, Dr. Mark D. Murphey, Dr. Andrew Rosenberg, Dr. Nicola Fabbri*

- 2:50pm – 3:10pm **What is NEW in the NEWEST Soft Tissue WHO** - *Dr. Yoshinao Oda, Japan*
- 3:10pm – 3:30pm **What is NEW in the NEWEST Bone WHO** - *Dr. Judith Bovee, Netherlands*
- 3:30pm – 3:45pm** **BREAK**
- 3:45pm – 4:05pm **Atypical Cartilaginous Neoplasm and Atypical Sclerotic Osteoblastic Neoplasm Terminology Controversy and Consensus** - *Dr. Scott Kilpatrick, Dr. Nicola Fabbri, Cleveland Clinic and Memorial Sloan Kettering*
- 4:05pm – 4:25pm **How Close is Too Close? Multidisciplinary Margin Assessment for Soft Tissue Sarcoma** - *Dr. Jay Wunder, Mt Sinai, Canada*
- 4:25pm – 4:45pm **Pathology Molecular Update for Radiologists and Surgeons** - *Dr. Adrienne Flanagan, London, England*
- 4:45pm – 5:00pm **Moving Forward Questions, Discussion, and Closing**