

MUSCULOSKELETAL ONCOLOGY COURSE



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

September, 15-16, 2025

Scuola della Carità, Padova (Italy)

This is the 8th edition of the Musculoskeletal Oncology Course of University of Padua. It has been organized by the Department of Orthopedics and Orthopedic Oncology of University of Padua in close cooperation with other Universities of the international faculty. Based on a few years' experience from other Oncology Courses, such as the Moffitt Cancer Center Course, the Rizzoli Course, the Oxford Course and the European Course of Budapest Semmelweis University, our Course is aimed to offer a review and update of the knowledge in musculoskeletal oncology and more specifically to provide basic information on clinical features, imaging, pathology and principles of treatment of the bone and soft tissues tumors and pseudotumoral lesions. It is a short, yet comprehensive Course, addressed to residents and young doctors (orthopedic surgeons, radiologists, pathologist and medical oncologists) willing to start their activity, or already involved in the field of musculoskeletal oncology, in order to refresh or widen their knowledge. This Course is designed to be fairly interactive: case discussion and questions will play an important role. Our faculty includes well-renown names of musculoskeletal oncology expression of different specialties: from orthopedic surgery to pathology, radiology and medical oncology. We hope that this Course will be both useful and pleasant for all participants!

The Course Directors: **Pietro Ruggieri & Andreas Leithner**

Scientific Secretary and Secretary of the Scientific Center for Research on Musculoskeletal Tumors "Mario Mercuri" of University of Padua: **Dr. Anna Breda**

FACULTY

Course Directors

Pietro Ruggieri, MD, PhD - Padova, Italy
Andreas Leithner, MD - Graz, Austria

Andrea Angelini, MD, PhD - Padova, Italy
Giovanni Baldin, MD - Padova, Italy
Gianni Bisogno, MD - Padova, Italy
Antonella Brunello, MD - Padova, Italy
Marta Burei, MD - Padova, Italy
Mariachiara Cerchiaro, MD - Padova, Italy
Marco Cianchetti, MD - Trento, Italy
Alberto Crimi, MD - Padova, Italy
Giorgio De Conti, MD - Padova, Italy
Angelo Paolo Dei Tos, MD - Padova, Italy
Marco Krengli, MD - Padova, Italy
Francis Hornicek, MD, PhD - Boston, MA, USA
Andreas Leithner, MD - Graz, Austria
Douglas G. Letson, MD - Tampa, FL, USA
Giulio Maccauro, MD, PhD - Roma, Italy
Eduardo Ortiz-Cruz, MD - Madrid, Spain
Elisa Pagliarini, MD - Padova, Italy
Elisa Pala, MD PhD - Padova, Italy
Marta Sbaraglia, MD - Padova, Italy
Cesare Tiengo, MD, PhD - Padova, Italy
Giulia Trovarelli, MD PhD - Padova, Italy

SPECIAL GUESTS

Ivan Bohacek, MD - Zagreb, Croatia
Giorgi Loria, MD - Tbilisi, Georgia
Luisa Paganini, MD - Sao Paulo, Brazil
Vanna Scapin, MD - Padova, Italy

AUSPICES

Under request:



ISOLS
International Society
Of Limb Salvage

The Course

Scientific Secretary and Secretary of the Scientific Center for Research on Musculoskeletal Tumors "Mario Mercuri"

Monday, September 15

08:00-09:00 Registration / Check-In

09:00-09:15 Introduction **Pietro Ruggieri, MD, PhD; Andreas Leithner, MD**
Welcome address
Michele Tessarin, MD, Direttore Sanitario Azienda Ospedale-Università Padova
Giuseppe Dal Ben, MD, Direttore Generale Azienda Ospedale-Università Padova
Umberto Cillo, MD, PhD, Direttore Dipartimento DISCOG Università di Padova
Daniela Mapelli, MD, PhD, Magnifica Rettrice Università di Padova

Block 1. General principles

Moderators: **Pietro Ruggieri, MD, PhD; TBD**

09:15-09:35 Staging of Musculoskeletal Tumors and Surgical Margins
Giulia Trovarelli, MD, PhD

09:35-09:55 Principles of Bone Tumor Pathology
Angelo Paolo Dei Tos, MD; Marta Sbaraglia, MD

09:55-10:15 Biopsy Techniques
Douglas G. Letson, MD

10:15-10:45 *Coffee break*

Block 2. Benign Bone Tumors

Moderator: **Douglas Letson, MD; Francis Hornicek, MD, PhD**

10:45-11:05 Leave me alone lesions: Histiocytic Fibroma, Fibrous Dysplasia, Eosinophilic granuloma, Unicameral Bone Cyst
Elisa Pala, MD, PhD

11:05-11:25 Giant cell Tumor of Bone
Andreas Leithner, MD

11:25-11:45 Osteoid Osteoma, Osteoblastoma, Aneurysmal Bone Cyst,
Alberto Crimi, MD

11:45-12:05 Enchondroma, Osteochondroma, Chondroblastoma
Andrea Angelini, MD

12:05-12:25 Interactive Case Presentations: Benign Lesions
Moderators: **Francis Hornicek, MD, PhD – Giorgio De Conti, MD - Andreas Leithner, MD**
Speakers: **Mariachiara Cerchiaro, MD; Giulia Trovarelli, MD, PhD**

12:25 - 13:25 *Lunch*

Block 3. Primary Malignant Bone Tumor

Moderators: **Luisa Paganini, MD – Andrea Angelini, MD, PhD**

13:25-13:45 Malignant Bone Forming Tumors
Douglas Letson, MD

14:40-15:00 Malignant Cartilage Forming Tumors
TBD

15:00-15:20 Small Round Blue Cell Tumors of Bone
Pietro Ruggieri, MD PhD

15:20-16:20 Interactive Case Presentations and Comments: Ex Fellows “spot”
Moderators: **Luisa Paganini, MD – Antonio Berizzi, MD**
Speakers: **Luisa Paganini MD; Ivan Bohacek, MD; Giorgi Loria, MD**

Moderators: **Gianni Bisogno, MD – Pietro Ruggieri, MD, PhD**

16:20-16:40 Multidisciplinarity: a need in modern orthopedic oncology
Andreas Leithner, MD

16:40-17:00 Modern imaging in musculoskeletal oncology
Giorgio De Conti, MD

17:00–17:20 Tumours in children
Francis Hornicek, MD, PhD

20:30 *Social Dinner*

Tuesday, September 16

Block 4. Soft Tissue Tumors, Bone Metastases & Metabolic Bone Disease

Moderators: **Pietro Ruggieri, MD, PhD - TBD**

08:30-08:50 Principles of Soft Tissue Tumors Pathology
Angelo Paolo Dei Tos, MD, PhD; Marta Sbaraglia, MD

08:50-09:10 Benign Soft Tissue Tumors: diagnosis and treatment
TBD

09:10-09:30 Malignant Soft Tissue Tumors: diagnosis and treatment
Andreas Leithner, MD

Moderators: **Andreas Leithner, MD - Francis Hornicek, MD, PhD**

09:30 -09:50 Metastatic Tumors of Bone: diagnosis and principles of treatment
Ivan Bohacek, MD

09:50-10:10 Metabolic bone disease
Elisa Pala, MD, PhD

10:10-11:00 Interactive Case Presentations and Comments: Ex Fellows "spot"
*Moderator: **Francis Hornicek, MD, PhD – Alberto Crimi, MD***
*Speakers: **Luisa Paganini, MD; Ivan Bohacek, MD; Giorgi Loria, MD***

11:00 - 11:30 Coffee Break

Moderators: **Ivan Bohacek, MD - Eduardo Ortiz-Cruz, MD**

11:30-11:50 Techniques of plastic surgery in musculoskeletal oncology
Cesare Tiengo, MD, PhD

11:50– 12:10 Oncologic Surgery in elderly patients
Giulio Maccauro, MD, PhD

Block 5. Surgical Techniques and Other Treatments

*Moderators: **Pietro Ruggieri, MD, PhD; TBD***

12:10-12:40 Prosthetic Reconstructions in Musculoskeletal Oncology
Pietro Ruggieri, MD, PhD

12:40-13:10 Surgery of Pelvic Tumors
Douglas G. Letson, MD

13:10-13:40 Surgery of Spine Tumors
Andrea Angelini, MD, PhD

13:40-14:10 Surgery of Sacral Tumors
Francis Hornicek, MD, PhD

14:10 - 15:10 Lunch

Moderators: **Andreas Leithner, MD – Francis Hornicek, MD, PhD**

15:10-15:40 Principles of Chemotherapy of Bone and Soft Tissue Sarcoma
Antonella Brunello, MD

15:40-16:10 Principles of radiotherapy
Marco Krengli, MD

16:10 – 16:40 Presentation of Unknown Cases
Moderators: **Andreas Leithner, MD – Giorgi Loria, MD**
Speakers: **Giovanni Baldin MD; Elisa Pagliarini, MD; Mariachiara Cerchiaro, MD; Eduardo Ortiz-Cruz, MD**

16:40 Closing remarks
Andreas Leithner, MD; Pietro Ruggieri, MD, PhD

20:30 Faculty Dinner