

# MUSCULOSKELETAL ONCOLOGY COURSE

September 16-17, 2024

**PADOVA** ITALY



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

A Course of  
Department of Orthopedics  
and Orthopedic Oncology

DISCOG

## Course Directors

**Pietro Ruggieri**

MD, PhD - Padova, Italy

**Andreas Leithner**

MD, Graz, Austria

Segreteria Organizzativa



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# MUSCULOSKELETAL ONCOLOGY COURSE



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September, 16-17, 2024

Scuola della Carità, Padova (Italy)

*This is the 7th edition of the Musculoskeletal Oncology Course of the University of Padua. It has been organized by the Department of Orthopedics and Orthopedic Oncology of the University of Padua in close cooperation with the other Universities of the International Faculty. Based on a few years' experience of some faculty members with 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 but comprehensive Course, addressed to residents and young doctors (orthopedic surgeons, radiologists, pathologist and medical oncologists) who are wishing to start their activity or are already involved in the field of musculoskeletal oncology, in order to refresh or widen their knowledge. This Course is designed to be fairly interactive, with wide space dedicated to case discussion and questions. Our faculty includes very prestigious names in musculoskeletal oncology, with different specialties represented: orthopedic surgery of course, as well as 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 - Padua, Italy**

**Andreas Leithner, MD - Graz, Austria**

**Andrea Angelini, MD, PhD - Padua, Italy**

**Antonio Berizzi, MD - Padua, Italy**

**Gianni Bisogno, MD - Padua, Italy**

**Antonella Brunello, MD - Padua, Italy**

**Giovanni Baldin, MD - Padua, Italy**

**Mariachiara Cerchiaro, MD - Padua, Italy**

**Marco Cianchetti, MD - Trento, Italy**

**Alberto Crimi, MD - Padua, Italy**

**Giorgio De Conti, MD - Padua, Italy**

**Angelo Paolo Dei Tos, MD - Padua, 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 - Padua, Italy**

**Elisa Pala, MD PhD - Padua, Italy**

**Panayiotis Papagelopoulos, MD - Athens, Greece**

**Marta Sbaraglia, MD - Padua, Italy**

**Michele Piazza, MD - Padua, Italy**

**Cesare Tiengo, MD, PhD - Padua, Italy**

**Giulia Trovarelli, MD PhD - Padua, Italy**

## SPECIAL GUESTS

**Ivan Bohacek, MD - Zagreb, Croatia**

**Giorgi Loria, MD - Tbilisi, Georgia**

**Luisa Paganini, MD - Sao Paulo, Brazil**

**Vanna Scapin, MD - Padua, Italy**

## AUSPICES



## Monday, September 16, 2024

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

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09:00-09:15 Welcome **Pietro Ruggieri, MD, PhD; Andreas Leithner, MD**

Saluto inaugurale

**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; Antonio Berizzi, MD**

09:15-09:25 MOC Courses over the World  
**Douglas G. Letson, MD**

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09:25-09:45 Staging of Musculoskeletal Tumors and Surgical Margins  
**Giulia Trovarelli, MD, PhD**

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09:45-10:05 Principles of Bone Tumor Pathology  
**Angelo Paolo Dei Tos, MD; Marta Sbaraglia, MD**

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10:05-10:25 Biopsy Techniques  
**Andreas Leithner, MD**

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**10:25-11:00** *Coffee break*

### Block 2. Tumor-like Lesions and Benign Bone Tumors

Moderator: **Andrea Angelini, MD, PhD; Francis Hornicek, MD, PhD**

11:00-11:20 Leave me alone lesions: Histiocytic Fibroma, Fibrous Dysplasia, Eosinophilic granuloma, Unicameral Bone Cyst  
**Pietro Ruggieri, MD, PhD**

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11:20-11:40 Giant cell Tumor of Bone  
**Elisa Pala, MD, PhD**

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11:40-12:00 Osteoid Osteoma, Osteoblastoma, Aneurysmal Bone Cyst,  
**Andreas Leithner, MD**

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12:00-12:20 Enchondroma, Osteochondroma, Chondroblastoma  
**Alberto Crimi, MD**

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12:20-13:20 Interactive Case Presentations: Benign Lesions  
Moderators: **Francis Hornicek, MD, PhD – Giorgio De Conti, MD**  
**Andreas Leithner, MD**  
Speakers: **Mariachiara Cerchiaro, MD; Elisa Pagliarini, MD**  
**Vanna Scapin, MD**

**13:20 - 14:20 Lunch**

### **Block 3. Primary Malignant Bone Tumor**

**Moderators: Luisa Paganini, MD – Andreas Leithner, PhD**

14:20-14:40 Malignant Bone Forming Tumors  
**Pietro Ruggieri, MD, PhD**

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14:40-15:00 Malignant Cartilage Forming Tumors  
**Douglas G. Letson, MD**

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15:00-15:20 Small Round Blue Cell Tumors of Bone  
**Panayiotis Papagelopoulos, MD PhD**

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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**

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**Moderators: Douglas G. Letson, MD – Pietro Ruggieri, MD, PhD**

16:20-16:40 Multidisciplinarity: a need in modern orthopedic oncology  
**Eduardo Ortiz-Cruz, MD**

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

17:00-17:20 Tumours in children  
**Gianni Bisogno, MD**

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**20:30 Social Dinner**

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

Moderators: **Andreas Leithner, MD - Panayiotis Papagelopoulos, MD, PhD**

08:30-08:50 Principles of Soft Tissue Tumors Pathology

**Angelo Paolo Dei Tos, MD, PhD; Marta Sbaraglia, MD**

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

**Panayiotis Papagelopoulos, MD, PhD**

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09:10-09:30 Malignant Soft Tissue Tumors: diagnosis and treatment

**Francis Hornicek, MD, PhD**

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Moderators: **Giulia Trovarelli, MD, PhD - Francis Hornicek, MD, PhD**

09:30 -09:50 Metastatic Tumors of Bone: diagnosis and principles of treatment

**Andreas Leithner, MD**

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09:50-10:10 Metabolic bone disease

**Elisa Pala, MD, PhD**

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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*

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**11:00 - 11:30 Coffee Break**

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

11:30-11:50 Techniques of plastic surgery in musculoskeletal oncology1

**Cesare Tiengo, MD, PhD**

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11:50-12:10 Vascular reconstructions in Musculoskeletal Oncology

**Michele Piazza, MD**

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12:10-12:30 Oncologic Surgery in elderly patients

**Giulio Maccauro, MD, PhD**

## Block 5. Surgical Techniques and Other Treatments

<i>Moderators:</i>	<b>Pietro Ruggieri, MD, PhD; Andrea Angelini, MD, PhD</b>
12:30-13:00	Prosthetic Reconstructions in Musculoskeletal Oncology <b>Pietro Ruggieri, MD, PhD</b>
13:00-13:30	Surgery of Pelvic Tumors <b>Douglas G. Letson, MD</b>
13:30-14:00	Surgery of Spine Tumors <b>Panayiotis Papagelopoulos, MD, PhD</b>
14:00-14:30	Surgery of Sacral Tumors <b>Francis Hornicek, MD, PhD</b>
<b>14:30 - 15:30</b>	<b><i>Lunch</i></b>
<i>Moderators:</i>	<b>Andreas Leithner, MD – Francis Hornicek, MD, PhD</b>
15:30-16:00	Principles of Chemotherapy of Bone and Soft Tissue Sarcoma <b>Antonella Brunello, MD</b>
16:00-16:30	The role of “particles” radiation therapy for sarcomas and management of peripheral neuropathy <b>Marco Cianchetti, MD</b>
16:30-17:30	Presentation of Unknown Cases <i>Moderators:</i> <b>Andreas Leithner, MD – Giorgi Loria, MD</b> <i>Speakers:</i> <b>Giovanni Baldin MD; Elisa Pagliarini, MD; Mariachiara Cerchiaro, MD; Eduardo Ortiz-Cruz, MD</b>
17:30	Closing remarks <b>Andreas Leithner, MD; Pietro Ruggieri, MD, PhD</b>
<b>20:30</b>	<b><i>Faculty Dinner</i></b>

## General Informations

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### **COURSE VENUE:**

#### **Scuola della Carità**

Via S. Francesco, 61-63  
35121 Padova PD

### **REGISTRATION FEES:**

**Early Regular** (until 30th June): € 370,00 (*vat included*)

**Late Regular** (from 1st July): € 425,00 (*vat included*)

**Residents with Chair certificate:** € 250,00 (*vat included*)

**Social Dinner:** € 55,00 (*vat included*)

### **CERTIFICATE OF ATTENDANCE:**

All attendees will receive a certificate of attendance the day after the Course

### **FURTHER INFORMATION:**

Visit: <https://www.lcfcongress.com/eventi/musculoskeletal-oncology-course-2024/>

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