

XXXVI Course on MUSCULOSKELETAL PATHOLOGY

May 12-15, 2025

IRCCS Istituto Ortopedico Rizzoli - Bologna, Italy

Course Organizers

Davide M. DONATI, M.D. Orthopaedic Oncology

Tommaso FRISONI, M.D. Orthopaedic Oncology

Marco GAMBAROTTI, M.D. Pathology

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*Department of Musculoskeletal Oncology,
Rizzoli Orthopaedic Institute, Bologna, Italy*

Invited Speaker

Silvia CAMMELLI, M.D. Radiation Oncology

University Hospital IRCCS, Sant' Orsola Polyclinic, Bologna, Italy

Marco CIANCHETTI, M.D. Proton Therapy

Department of Proton Therapy, Trento, Italy

Lee JEYS, M.D. Orthopaedic Oncology

Royal Orthopaedic Hospital NHS, Birmingham, UK

Marco MANFRINI, M.D. Orthopaedic Oncology

Rizzoli Orthopaedic Institute, Bologna, Italy

www.musculoskeletalpathologycourse.it



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Istituto Ortopedico Rizzoli di Bologna
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European
Reference
Network

for rare or low prevalence
complex diseases

Network

Adult Cancers

(ERN EURACAN)

Member

Rizzoli Orthopaedic
Institute of Bologna
Italy

FACULTY

Orthopedic Oncologic Clinic - Course Staff & Presenters

Davide Maria DONATI
Giuseppe BIANCHI
Laura CAMPANACCI
Costantino ERRANI
Tommaso FRISONI
Eric L. STAALS

Diagnostic & Interventional Radiology - Course Staff

Marco MICELI
Alberto BAZZOCCHI
Giancarlo FACCHINI
Giuliano PETA
Simone QUARCHIONI
Paolo SPINNATO

Anatomy and Pathological Histology - Course Staff

Marco GAMBAROTTI
Alberto RIGHI

Osteoncology - Course Staff

Toni IBRAHIM
Marilena CESARI
Giorgio FREGA
Anna PAIOLI

Laboratory of Experimental Oncology

Katia SCOTLANDI, Alessandra DE FEO, Maria Cristina MANARA

Pharmacogenomics and Pharmacogenetics

Massimo SERRA

Regenerative Therapies in Oncology

Enrico LUCARELLI

Advanced Experimental Models

Laura MERCATALI

Spine Surgery

Alessandro GASBARRINI, Riccardo GHERMANDI

Orthoplasty

Marco INNOCENTI, Francesco MORI

General & Thoracic Surgery

Fabio DAVOLI

GENERAL INFORMATION

AIM OF THE COURSE

The Course consists in a 4-day update on diagnostics challenges and management decisions for bone and soft tissue tumors, with a particular emphasis on the clinico-pathologic and radiographic correlations. It is addressed to orthopaedic surgeons, oncologists, pathologists, radiologists and basic researchers who want to improve their knowledge on bone and soft tissue tumors. The format includes interactive sessions, multidisciplinary case discussions and lectures by internationally renowned experts in the field of musculoskeletal oncology. During the last course day the participants will work in teams to test their knowledge in a final contest of unknown cases.

SITE

IRCCS Istituto Ortopedico Rizzoli - Istituto di Ricerca Codivilla-Putti

Via di Barbiano 1/10, Bologna, Italy (can be easily reached by bus A from railstation and town center)

Start: Monday, 12th May at 11.00 - **End:** Thursday, 15th May at 13.00

REGISTRATION FEE

The registration fee covers:

- admittance to the scientific session and final program
- refreshments during break and lunches
- certificate of attendance

	Early Registration until February 28 th 2025	Late Registration from March 1 st 2025
▪ Regular	500,00 €	600,00 €
▪ SIAPEC Member	410,00 €	510,00 €
▪ Resident	250,00 €	350,00 €
▪ SIAPEC Resident	210,00 €	310,00 €
▪ UNIBO Residents, PhD Students, International Fellows of the IOR Orthopaedic and Traumatology Clinic III (Oncology)	150,00 €	250,00 €

All prices are VAT included

The registration and payment forms will be available online at

<https://www.lcfcongress.com/eventi/xxxvi-course-on-musculoskeletal-pathology-prof-davide-m-donati-dott-marco-gambarotti-dott-eric-l-staals-dott-tommaso-frisonibologna/>

ORGANIZING SECRETARIAT

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OFFICIAL LANGUAGE

English

MONDAY, 12 May 2025

11.00 *Registration and Welcome reception*

12.00 *Introduction to the course - E.L. Staals*

12.30 **PSEUDO TUMORAL BONE LESIONS**

Simple Bone Cysts, NOF, Fibrous Dysplasia, Aneurysmal Bone Cysts

Presenter: L. Campanacci

Panel: M. Gambarotti (Pathologist), G. Facchini (Radiologist)

- **Leave me alone lesions.**
- **Biopsy or not to biopsy... that's the question?**
- **When is surgery required?**
- **How to differentiate cystic lesions?**
- **How to treat aneurysmal bone cysts?**

13.45 *Q & A*

14.00 *Coffee break (display of unknown cases on monitors)*

14.45 **BENIGN BONE LESIONS**

Giant Cell Tumor of Bone, Chondroblastoma

Presenter: E.L. Staals

*Panel: A. Righi (Pathologist), G. Facchini (Radiologist),
M. Cesari/T. Ibrahim (Oncologist), A. Gasbarrini/R. Ghermandi
(Spine Surgeon), L. Jeys (Orthopaedic Surgeon)*

- **How aggressive should curettage be for benign bone tumors?**
- **Use of denosumab in benign bone tumors.**
- **Surgery for benign bone tumors of the spine.**
- **When to use osteosynthesis after a curettage in the extremities?**

15.45 *Q & A*

16.00 **CARTILAGE TUMORS**

Enchondroma, Osteochondroma, ACT, Chondrosarcoma

Presenter: E.L. Staals

*Panel: A. Righi (Pathologist), G. Facchini (Radiologist),
G. Frega/T. Ibrahim (Oncologist), L. Jeys (Orthopaedic Surgeon)*

- **The histological transition from benign to malignant cartilage.**
- **When to biopsy cartilage lesions?**
- **How aggressive should be surgery for cartilage tumors?**
- **The role of medical treatments in cartilage tumors.**
- **Is there international consensus on cartilage tumors?**

17.15 Q & A

17.30 **DISCUSSION OF UNKNOWN CASES**

18.30 *End of the day*

TUESDAY, 13 May 2025

08.15 **MALIGNANT OSTEOID PRODUCING BONE TUMORS**

Presenter: T. Frisoni

*Panel: P. Spinnato (Radiologist), M. Gambarotti (Pathologist),
M. Cesari/T. Ibrahim (Oncologist), A. Gasbarrini/R. Ghermandi
(Spine surgeon), F. Davoli (Thoracic surgeon), L. Jeys (Orthopaedic Surgeon)*

PRESENTATION OF CASES RELATED TO THE FOLLOWING TOPICS:

- radiology and pathology features in different variants and unusual presentation;
- malignant progression in bone forming tumors;
- multidisciplinary approach in localized and metastatic patients;
- surgical treatment: what is a safe margin?;
- how can we manage complications?;
- the perspective of the spine surgeon.

09.45 Q & A

10.00 *Coffee break (display of unknown cases on monitors)*

10.30 **ROUND CELL SARCOMAS**

Presenter: E.L. Staals

*Panel: S. Quarchioni (Radiologist), A. Righi (Pathologist),
A. Paioli/T. Ibrahim (Oncologist), S. Cammelli/M. Cianchetti (Radiotherapist),
F. Davoli (Thoracic surgeon) and L. Jeys (Orthopaedic Surgeon)*

- Diagnostic challenges in Round Cell Tumors.
- Multidisciplinary approach in the treatment of Ewing Sarcoma.
- How to treat non-responsive Ewing Sarcoma?
- Treatment of lung metastases.
- New variants of Round Cell Tumors.

12.00 Q & A

12.15 **DISCUSSION OF UNKNOWN CASES**

13.00 *Lunch break (display of unknown cases on monitors)*

14.00 **SOFT TISSUE TUMORS**

Presenter: *G. Bianchi*

Panel: *M. Miceli/A. Bazzocchi (Radiologist), M. Gambarotti/A. Righi (Pathologist), A. Paioli/G. Frega (Oncologist), S. Cammelli/M. Cianchetti (Radiotherapist), M. Innocenti/F. Mori (Plastic surgeon)*

- **Clinical cases - soft tissue sarcoma MDT.**
- **Whoops surgery and the impact of surgical margins.**
- **Timing of radiotherapy.**
- **Neo or adjuvant systemic therapies in STS.**
- **Functional reconstruction after STS resection.**
- **How to reduce post-radiation toxicity.**

15.30 *Coffee break (display of unknown cases on monitors)*

16.00 **How basic research can help clinicians.**

E-Poster discussion with researchers.

A. De Feo, E. Lucarelli, M.C. Manara, L. Mercatali, K. Scotlandi, M. Serra

16.30 **DISCUSSION OF UNKNOWN CASES**

17.30 *End of the day*

COURSE DINNER

WEDNESDAY, 14 May 2025

08.30 **SECONDARY BONE LESIONS**

Presenter: *C. Errani*

Panel: *G. Facchini/G. Peta (Radiologist), A. Righi/M. Gambarotti (Pathologist), G. Frega/T. Ibrahim (Oncologist), S. Cammelli/M. Cianchetti (Radiotherapist), A. Gasbarrini/R. Ghermandi (Spine surgeon), D.M. Donati (Orthopaedic surgeon), L. Campanacci (Orthopaedic surgeon)*

- **Understanding cancer metastasis.**
- **Specimen collection.**
- **Use of denosumab/bisphosphonates.**
- **Palliative vs ablative radiotherapy.**
- **Minimally invasive approach to metastatic carcinoma.**

10.15 *Coffee break*

10.45 **MDT IN BONE METASTASIS TREATMENT**

- Treatment of proximal femur metastasis.
- Treatment of spine metastasis.
- Treatment of metastasis around the acetabulum.

11.45 *Q & A*

12.00 **Guided visit to the Rizzoli Library**

13.00 *Lunch break*

14.30 **HOT TOPICS IN MUSCULOSKELETAL RECONSTRUCTIONS**

Presenter: T. Frisoni

*Panel: M. Manfrini (Orthopaedic Surgeon), L. Jeys (Orthopaedic Surgeon)
D.M. Donati (Orthopaedic Surgeon), L. Campanacci (Orthopaedic Surgeon)*

- **Master class: pediatric reconstructions.**
M. Manfrini, L. Campanacci
- **Actual role of navigation in bone tumor surgery.**
L. Jeys
- **Actual role of custom implants in bone tumor surgery.**
D.M. Donati
- **Bullet questions for the experts.**
L. Campanacci, G. Bianchi, E. Staals

16.30 *Coffee break*

17.00 **DISCUSSION ON SELECTED CASES PRESENTED BY PARTICIPANTS**

18.00 *End of the day*

THURSDAY, 15 May 2025

08.30 **Display of final unknown cases and teams line-up**

10.00 *Coffee break*

10.15 **DISCUSSION OF THE FINAL UNKNOWNNS AND MUSCULOSKELETAL PATHOLOGY CONTEST**

Presenter: Staff and Guests

13.00 *End of the course and award ceremony*

PROMOTED BY



THANKS TO



AUSPICIE OBTAINED



Club Italiano di Oncologia del Sistema Muscoloscheletrico "Mario Campanacci" (CIOSM)



Società Italiana di Anatomia Patologica



Società Italiana di Ortopedia e Traumatologia