

XXXVII Course on MUSCULOSKELETAL PATHOLOGY

May 11-14, 2026

IRCCS Istituto Ortopedico Rizzoli - Bologna, Italy

Course Organizers

Davide M. DONATI, *Orthopaedic Oncology*
Laura CAMPANACCI, *Orthopaedic Oncology*
Tommaso FRISONI, *Orthopaedic Oncology*
Marco GAMBAROTTI, *Pathology*
Eric L. STAALS, *Orthopaedic Oncology*

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

Invited Speaker

Silvia CAMMELLI, *Radiation Oncology*
University Hospital IRCCS, Sant' Orsola Polyclinic, Bologna, Italy

Marco CIANCHETTI, *Proton Therapy*
Department of Proton Therapy, Trento, Italy

Lee JEYS, *Orthopaedic Oncology*
Royal Orthopaedic Hospital NHS, Birmingham, UK

Kirsten VAN LANGEVELDE, *Radiology and Nuclear Medicine*
Amsterdam University Medical Center, Amsterdam, The Netherlands

www.musculoskeletalpathologycourse.it



FACULTY

Orthopedic Oncologic Clinic - *Course Staff & Presenters*

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

Anatomy and Pathological Histology - *Course Staff*

Marco GAMBAROTTI
Alberto RIGHI

Diagnostic & Interventional Radiology - *Course Staff*

Marco MICELI
Giancarlo FACCHINI
Paolo SPINNATO
Simone QUARCHIONI

Osteoncology - *Course Staff*

Toni IBRAHIM
Marilena CESARI
Palma DILEO
Giorgio FREGA
Anna PAIOLI

Spine Surgery

Alessandro GASBARRINI
Riccardo GHERMANDI

Orthoplasty

Marco INNOCENTI
Francesco MORI

General & Thoracic Surgery

Fabio DAVOLI

Crediti ECM

In the process of accreditation for Italian orthopedic surgeons, pathologists, radiologists, oncologists, and radiation oncologists.

GENERAL INFORMATION

AIM OF THE COURSE

The course is a four-day program focused on the latest challenges in diagnosis and management of bone and soft tissue tumors, with particular emphasis on clinicopathologic and radiographic correlations. It is designed for orthopedic surgeons, oncologists, pathologists, radiologists, radiotherapists and basic researchers who wish to deepen their expertise in musculoskeletal tumors.

The format features includes interactive sessions, multidisciplinary case discussions, and lectures by internationally recognized experts in musculoskeletal oncology. On the final day, participants will work in teams to apply their knowledge in a contest involving unknown cases.

SITE

Istituto di Ricerca Codivilla-Putti - IRCCS Istituto Ortopedico Rizzoli

Via di Barbiano 1/10, Bologna, Italy

(can be easily reached by bus A from railstation and town center)

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 March 1st 2026	Late Registration from March 2nd 2026
▪ 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 €
▪ UNIBO Residents, and Rizzoli Orthopedic Institute's Physicians	100,00 €	100,00 €

All prices are VAT included

The registration and payment forms will be available online at

www.lcfcongress.com/eventi/xxxvii-course-on-musculoskeletal-2026

ORGANIZING SECRETARIAT

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OFFICIAL LANGUAGE

English

MONDAY, 11 May 2026

08.30 *Registration and Welcome reception*

09.00 **Course introduction - E.L. Staals**

09.15 **BASICS OF MUSCULOSKELETAL PATHOLOGY**

- **Bone tumors made easy**
K. Van Langevelde
- **Biopsy and margins: avoiding pitfalls**
E. Staals
- **Bone tumor pathology: the three circles theory**
M. Gambarotti/A. Righi

10.45 *Q & A*

11.00 *Coffee break*

11.30 **PSEUDO TUMORAL BONE LESIONS**

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

Presenter: L. Campanacci

Panel: M. Gambarotti/A. Righi (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?**

12.45 *Q & A*

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

14.00 **BENIGN BONE LESIONS**

Giant Cell Tumor of Bone, Chondroblastoma, Osteoid Osteoma, Osteoblastoma, Chondromyxoid Fibroma

Presenter: E.L. Staals

Panel: A. Righi/M. Gambarotti (Pathologist)

G. Facchini (Radiologist)

M. Cesari/T. Ibrahim (Medical Oncologist)

A. Gasbarrini/R. Ghermandi (Spine Surgeon)

L. Jeys (Orthopaedic Surgeon)

- Diagnostic keys for benign bone tumors
- Surgical treatment and less-invasive techniques
- Use of denosumab
- Updates from boom cape town 2026
- Surgery for benign bone tumors of the spine

15.00 Q & A

15.15 **CARTILAGE TUMORS**

Enchondroma, Osteochondroma, ACT, Chondrosarcoma

Presenter: E.L. Staals

Panel: A. Righi/M. Gambarotti (Pathologist)

G. Facchini (Radiologist)

G. Frega/T. Ibrahim (Medical Oncologist)

L. Jeys (Orthopaedic Surgeon)

- The histological transition from benign to malignant cartilage
- Is it necessary to biopsy cartilage lesions?
- Surgical treatment for cartilage tumors
- The role of medical treatments in cartilage tumors
- International consensus: boom birmingham

16.30 Q & A

16.45 **DISCUSSION OF UNKNOWN CASES**

17.30 *End of the day*

TUESDAY, 12 May 2026

08.15 MALIGNANT OSTEOID PRODUCING BONE TUMORS

Presenter: T. Frisoni

Panel: P. Spinnato (Radiologist)

M. Gambarotti (Pathologist)

M. Cesari/T. Ibrahim (Medical Oncologist)

A. Gasbarrini/R. Ghermandi (Spine surgeon)

F. Davoli (Thoracic surgeon)

L. Jeys (Orthopaedic Surgeon)

- **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?**
- **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/M. Gambarotti (Pathologist)

A. Paioli/ T. Ibrahim (Medical Oncologist)

S. Cammelli/M. Cianchetti (Radiation Oncologist)

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?**
- **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: K. Van Langevelde (Radiologist)

M. Gambarotti/A. Righi (Pathologist)

P. Dileo/T. Ibrahim (Medical Oncologist)

S. Cammelli/M. Cianchetti (Radiation Oncologist)

M. Innocenti/F. Mori (Plastic surgeon)

- **MRI tips and tricks for for soft tissue tumors**
- **Tissue sampling and histopathology of Soft Tissue Tumors**
- **Surgical treatment and functional reconstruction**
- **Role of radiotherapy**
- **Systemic therapies for STS**
- **Clinical cases - Soft Tissue Sarcoma MDT**

15.15 Q & A

15.30 *Coffee break*

Basic Research E-Poster Presentation

16.30 **DISCUSSION OF UNKNOWN CASES**

17.30 *End of the day*

COURSE DINNER

WEDNESDAY, 13 May 2026

08.30 **SECONDARY BONE LESIONS**

Presenter: *C. Errani*

Panel: *G. Facchini (Radiologist)*

A. Gasbarrini/R. Ghermandi (Spine surgeon)

D. Donati/L. Campanacci (Orthopaedic surgeon)

G. Frega/T.Ibrahim (Medical oncologist)

- **Understanding cancer metastasis**
- **The role of embolization in the treatment of bone metastases**
- **The role of electrochemotherapy in the treatment of bone metastases**
- **The role of surgery for spinal metastases**
- **The role of surgery for proximal femur metastases**

10.00 **Q & A**

10.15 *Coffee break*

10.45 **RARE ENTITIES. EVOLUTION OF TREATMENT STRATEGIES**

- **Desmoid tumors**
C. Errani, A. Righi/M. Gambarotti, P. Dileo
- **Vascular tumors**
C. Errani, A. Righi/M. Gambarotti
- **Chordoma**
A. Gasbarrini/R. Ghermandi, M. Cianchetti
- **Tenosynovial Giant Cell Tumor**
E. Staals, A. Paioli

12.15 **Q & A**

12.30 **GUIDED VISIT TO THE RIZZOLI LIBRARY**

13.00 *Lunch break*

14.30 **PARALLEL SESSIONS WITH THE EXPERTS**

Surgery: Skeletal Reconstructions (*Marchetti Hall*)

- **Pediatric reconstructions**
L. Campanacci

- **Pelvic surgery for bone tumors**
L. Jeys
- **Actual role of custom implants in bone tumor surgery**
D.M. Donati

Histopathology Workshop (*Pathology Anatomy Classroom*)

- **Case discussions**
M. Gambarotti/A. Righi

Radiology Workshop (*Radiology Classroom*)

- **Tumor mimics and pitfalls**
K. Van Langevelde
- **Interventional radiology**
G. Facchini
- **Discussion of challenging cases**

16.30 *Coffee break*

17.00 SELECTED CLINICAL CASES PRESENTED BY PARTICIPANTS

18.00 *End of the day*

THURSDAY, 14 May 2026

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*

