

XXXV Course on MUSCULOSKELETAL PATHOLOGY

May 15-18, 2024

Istituto Ortopedico Rizzoli - Bologna, Italy

Course Organizers

Davide M. DONATI, M.D. Orthopaedic Oncology

Marco GAMBAROTTI, M.D. Pathology

Eric L. STAALS, M.D. Orthopaedic Oncology

Tommaso FRISONI, M.D. Orthopaedic Oncology

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

Invited Speaker

Lee JEYS, M.D. Orthopaedic Oncology
Royal Orthopaedic Hospital NHS, Birmingham, UK

Marco CIANCHETTI, M.D. Proton Therapy
Department of Proton Therapy, Trento, Italy

Marco MANFRINI, M.D. Orthopaedic Oncology
Rizzoli Orthopaedic Institute, Bologna, Italy

www.musculoskeletalpathologycourse.it



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ALMA MATER STUDIORUM
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European
Reference
Network

for rare or low prevalence
complex diseases

Network
Adult Cancers
(EACAN)

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
Giancarlo FACCHINI
Giuliano PETA
Federico PONTI
Paolo SPINNATO
Alberto BAZZOCCHI

Anatomy and Pathological Histology - Course Staff

Marco GAMBAROTTI
Alberto RIGHI

Osteoncology - Course Staff

Ibrahim TONI
Marilena CESARI
Giorgio FREGA
Andrea MARRARI
Anna PAIOLI
Emanuela PALMERINI

Laboratory of Experimental Oncology

Katia SCOTLANDI, Maria Cristina MANARA, Caterina MANCARELLA

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 management of bone and soft tissue tumors with particular emphasis on clinico-pathologic and radiographic correlations including practical studies under microscope. It is addressed to orthopaedic surgeons, oncologists, pathologists, radiologists and basic researchers to improve their knowledge and competence in these pathologies by working in multidisciplinary teams.

The format includes interactive sessions for questions, case presentations and an early morning interactive session of multiple choice questions reviews the topics previously discussed. The last day participants are grouped in multidisciplinary teams to discuss a clinical case. The best teams are awarded a prize.

SITE

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: Wednesday, 15th May at 11.00 - *End:* Saturday, 18th 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 29th 2024	Late Registration from March 1st 2024
▪ Regular	450,00 €	550,00 €
▪ SIAPEC Member	360,00 €	460,00 €
▪ Resident	200,00 €	300,00 €
▪ SIAPEC Resident	160,00 €	260,00 €
▪ UNIBO Residents, PhD Students, International Fellows of the IOR Orthopaedic and Traumatology Clinic III (Oncology)	100,00 €	200,00 €

All prices are VAT included

The registration and payment forms will be available online at
www.lcfcongress.com/eventi/xxxv-course-on-musculoskeletal-pathology-451/

ORGANIZING SECRETARIAT

LCF CONGRESS FACTORY S.R.L.

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OFFICIAL LANGUAGE

English

WEDNESDAY, 15 May 2024

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 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),

E. Palmerini (Oncologist), A. Gasbarrini/R. Ghermandi (Spine Surgeon),

L. Jeys (Orthopaedic Surgeon)

- **How aggressive should be a curettage 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),

E. Palmerini (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.**
- **The Birmingham consensus meeting on cartilage tumors.**

17.15 Q & A

17.30 Discussion of Unknown Cases

18.30 End of the day

THURSDAY, 16 May 2024

08.15 MALIGNANT OSTEOID PRODUCING BONE TUMORS

Presenter: T. Frisoni

Panel: P. Spinnato (Radiologist), M. Gambarotti (Pathologist),
M. Cesari (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: which 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: F. Ponti (Radiologist), A. Righi (Pathologist),
A. Paioli (Oncologist), 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. Marrari/G. Frega (Oncologist), M. Cianchetti (Radiotherapist), M. Innocenti (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.**
- **Soft tissue coverage and oncoplastic approach to irradiated sites.**
- **How to reduce post-radiation toxicity.**

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

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

K. Scotlandi

E-Poster discussion with researchers

16.30 **Discussion of Unknown Cases**

17.30 *End of the day*

COURSE DINNER

FRIDAY, 17 May 2024

08.30 **SECONDARY BONE LESIONS**

Presenter: *C. Errani*

Panel: *G. Facchini/G. Peta (Radiologist), A. Righi/M. Gambarotti (Pathologist), T. Ibrahim (Medical Oncologist), 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*

14.00 **HOT TOPICS IN MUSCULOSKELETAL RECONSTRUCTIONS**

Presenter: G. Bianchi

Panel: M. Manfrini (Orthopaedic Surgeon),

D.M. Donati (Orthopaedic Surgeon), L. Jeys (Orthopaedic Surgeon)

- **Master class: pediatric reconstructions.**
M. Manfrini
- **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.**

16.30 *Coffee break*

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

18.00 *End of the day*

SATURDAY, 18 May 2024

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

10.00 *Coffee break*

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

Presenter: Staff and Guests

13.00 *End of the course and award ceremony*

PROMOTED BY



AUSPICIE OBTAINED



EURO Ewing Consortium



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Società Italiana di Anatomia Patologica