



PROGRAMME

PRESENTATION

We are delighted to announce the online Bone and Soft Tissue Tumors Madrid Course and pleased to offer the opportunity to attend the recorded course to all those who have not been able to attend in person. We also encourage you to stay tuned for the celebration of the 10th edition of the course.

The faculty include internationally renowned orthopaedic oncology surgeons, musculoskeletal pathologists, bone radiologists, medical and radiation oncologists, plastic surgeons from the best sarcomas centers including Harvard Medical School, Massachusetts General Hospital (Boston) and Beth Israel Deaconess Medical Center (Boston); Miller School of Medicine, University of Miami; MD Anderson Cancer Center of University of Texas (Houston); Health Science Center of University of Texas San Antonio; University Hospital of New Jersey Medical School, (Newark); NOVA Southeastern University College of Allopathic Medicine (Fort Lauderdale); Henry Ford Hospital (Detroit); Center for Musculoskeletal Oncology (University of Padova); Hopital Maisonneuve-Rosemont (Montreal, Canada) and La Paz University Hospital (Madrid).

The Course is based on the precepts established by its founder Dr. Henry J. Mankin and is supported by the Musculoskeletal Tumor Society (www.msts.org). Many of the faculty are MSTS members and include leaders of its standing committees and president of the society. The participants (190 - 210; 40% from outside of Spain) include residents, fellows, and practicing clinicians who are interested to study, to treat and management patients with bone and soft tissue neoplasms.

The Course offers state of the art scientific information regarding the epidemiology, genetics, diagnosis, radiology and treatment of musculoskeletal tumors. The Course offers to all multidisciplinary sarcoma teams greater knowledge of the scientific basis of musculoskeletal pathology, in which the roles of the orthopaedic surgeon, pathologist and radiologist overlap. This is complemented by the range of different treatment options, both general (medical oncology) and local (orthopaedic oncology surgery, radiation oncology and plastic surgery).

This Course was organized in Madrid in 2000, 2003, 2009, 2012, 2014, 2016, 2019 and 2022 with excellent attendance figures, since when we have been repeatedly asked when we would be organizing it again. We feel privileged to be holding it again this year, having enlarged, updated and diversified its content to make it even more popular than before.

Dr. Eduardo J. Ortiz-Cruz
Course Director

Dr. Andrés Redondo
Course Codirector

FACULTY



JOSEPH BENEVENIA (USA)

Professor & Chair. Department of Orthopaedics. Orthopaedic Oncology. Rutgers. New Jersey Medical School. University Hospital of Newark. Past President of Musculoskeletal Tumor Society.



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Orthopaedic Oncologic Surgeon. Chief of Division of Musculoskeletal Oncology. Henry Ford Hospital and Health System. Detroit, USA. President-Elect of the Musculoskeletal Tumor Society.



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Professor of Pathology, Harvard Medical School. Pathologist, Department of Pathology. Director of Bone and Soft Tissue Pathology. Director of Electron Microscopy Unit. Massachusetts General Hospital. Boston, USA.



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Chair of the Orthopaedics Department. University of Miami Leonard M. Miller School of Medicine. Florida.



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Associate Professor of Medicine. Universidad Autónoma de Madrid. Sarcoma and Gynaecological Cancer Unit Medical Oncology Department. Hospital Universitario La Paz. Madrid.

SPEAKERS

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CLAUDIA M^a VALVERDE MORALES

Sarcoma Medical Oncology. President of Grupo GEIS. Hospital Universitario Vall d'Hebron. Barcelona.

PROGRAMME

OPENING CEREMONY

Juan José Ríos / Enrique Gil

WELCOME AND INTRODUCTION

Eduardo Ortiz-Cruz / Andrés Redondo

1. MUSCULOESKELETAL TUMORS: THE FOUNDATION

Moderators: Andrew Rosenberg / Eduardo Ortiz

Growth and Development of the Skeletal System.

Alan Schiller

Bone Tissue in Health and Disease.

Andrew Rosenberg

Introduction to Bone tumors: The Who's, What's and Why's.

Andrew Rosenberg

Role of the Radiologist in the Analysis of Musculoskeletal Tumors.

José Martel

PET Scan in the Evaluation of Bone and Soft Tissue Tumors.

José Cordero

Molecular Biology of Sarcomas - the Basics.

Marta Mendiola

Clinical Case: When Molecular Biology is Crucial for Diagnosis.

Alberto Berjón / Marta Mendiola / Mar Tapia

2. BONE AND JOINT TUMORS AND TUMOR-LIKE LESIONS

Moderators: Petur Nielsen / Eduardo Ortiz

Tumor-like Lesions: Fracture Callus, Myositis Ossificans, Brown Tumor.

Alan Schiller

Pathology of Joint Disease / Joint Tumors.

Petur Nielsen

Vascular Tumors of Bone.

Andrew Rosenberg

Benign Cystic Lesions of Bone: Simple Bone Cyst, Aneurysmal Bone Cyst.

Eduardo Ortiz-Cruz / Alberto Berjón

CASE PRESENTATION. TUMOR BOARD

Petur Nielsen / Andrew Rosenberg / Francis Hornicek / Mark Gebhardt

Benign Cartilage Tumors.

Francis Hornicek / Petur Nielsen

Malignant Cartilage Tumors.

Francis Hornicek / Andrew Rosenberg

Benign Bone Forming Tumors: Osteoid Osteoma, Osteoblastoma.

Mark Gebhardt / Alan Schiller

Malignant Bone Tumors: Osteosarcoma and Variants.

Mark Gebhardt / Andrew Rosenberg

Benign and Malignant Fibrous Tumors of Bone.

Joseph Benevenia / Andrew Rosenberg

Fibro-osseous Tumors of Bone.

Mark Gebhardt / Petur Nielsen

Systemic Treatment of Osteosarcoma.

Shreyaskumar Patel



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PROGRAMME

Giant Cell Tumor of Bone and the Use of Adjuvants.
Robert Quinn / Andrew Rosenberg

BONE TUMOR CASE PRESENTATION: TUMORBOARD
Petur Nielsen / Andrew Rosenberg / Alan Schiller

Undifferentiated Round Cell Sarcomas. An Update.
Petur Nielsen

Systemic Treatment of Round Cell Sarcomas.
Shreyaskumar Patel

Notochordal Tumors.
Petur Nielsen

Chordoma: Surgical Treatment.
Francis Hornicek

Radiation Therapy for Bone Sarcomas.
Angel Montero

CASE PRESENTATION: MSTs PRESIDENTS.
Michael Mott / Robert Quinn / Joseph Benevenia

Outcomes in Musculoskeletal Oncology: Surgeon or Patient Centered.
Robert Quinn

GCT on distal radius. Surgical treatment.
Marc Isler

Current Status of Reconstructions for Bone Sarcomas in Children.
Mark Gebhardt

Current Status of Reconstructions for Bone Sarcomas in Adults.
Francis Hornicek

3. SOFT TISSUE TUMORS

Moderators: *Eduardo Ortiz-Cruz / Petur Nielsen*

Soft Tissue Sarcoma: Classification, Grading, and Handling specimens.
Petur Nielsen

Imaging of Soft Tissue Sarcomas: Evaluation of Response and Follow-up.
Daniel Bernabeu

Tight Margins and Soft Tissue Sarcomas: a Practical Exploration of Surgical Realities.
Michael Mott

Role of Plastic Surgery in Soft Tissue Sarcomas.
Carmen Iglesias / Elena Bravo

Neoadjuvant or Adjuvant Chemotherapy for Soft Tissue Sarcomas.
Shreyaskumar Patel

Adjuvant Radiotherapy in Soft Tissue Sarcomas.
Belén Belinchón

First Line Chemotherapy in Advanced Soft Tissue Sarcomas.
Andrés Redondo

SOFT TISSUE SARCOMA CASE PRESENTATION. TUMOR BOARD.
La Paz Hospital Sarcoma Committee

Options for Second Line Therapy in Soft Tissue Sarcomas.
Claudia Valverde

Is there Room for Immunotherapy in Soft Tissue Sarcomas?
Javier Martín-Broto

PROGRAMME

Fibromatosis: A Multidisciplinary Approach.
*Eduardo Ortiz-Cruz / Belén Belinchón / Daniel Bernabeu /
Andrés Redondo*

Role of Natural Killers Cell Therapy in Pediatric Sarcomas.
Antonio Pérez

Tissue Agnostic Therapies: a New Option for Patients with
Sarcoma.
Rosa Álvarez

Update on Rhabdomyosarcoma.
Pedro Rubio

4. MISCELLANEOUS
Moderator: *Eduardo Ortiz-Cruz*

SURGICAL CASE PRESENTATION.
Marc Isler / Eduardo Ortiz-Cruz

Simulation as Preparation for Complex Orthopedic
Oncology Surgery.
Marc Isler

Infections in Megaprotheses Surgery: Past, Present and
Future.
Manuel Peleteiro / Irene Barrientos / Alicia Rico

Salvage of Previous Failed Limb Salvage Reconstructions .
Michael Mott

Am I Nailing a Pathologic Fracture?
Francis Hornicek

QUESTIONS AND CLOSING REMARKS
Francis Hornicek / Mark Gebhardt / Eduardo Ortiz-Cruz



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