PROGRAMME
We are delighted to announce the organization of the 9th Bone and Soft Tissue Tumors Madrid Course in Madrid, Spain to be held in June 2022. We are privileged to be presenting it again this year, and have increased, updated, and diversified its content to make it more applicable to relevant physicians than before.

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).

The Course has new national speakers and renewed conferences, as well as an extension to practical clinical cases and interactive participation, making it increasingly attractive for all participants and assistants. A truly multidisciplinary approach is taken throughout the course, as it is to be expected in the treatment of these kinds of pathologies.

This Course was organized in Madrid in 2000, 2003, 2009, 2012, 2014, 2016, and 2019 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
INFORMATION

VENUE
Aula Ortiz Vázquez.
Hospital Universitario La Paz
P.º de la Castellana, 261
28046 Madrid

LANGUAGE
The course will be given in English and Spanish with simultaneous translation into Spanish and English. The Laboratory sessions will be given only in English.

REGISTRATION FEES
COURSE: only theory
- General: € 400 before Jan. 22nd 22*, € 500 after Jan. 22nd 22*
- Residents and fellows: € 300 before Jan. 22nd 22*, € 300 after Jan. 22nd 22*

COMPLETE COURSE: theory and practice on computer - LAB (Limited capacity)
- General: € 600 before Jan. 22nd 22*, € 800 after Jan. 22nd 22*
- Residents and fellows: € 500 before Jan. 22nd 22*, € 500 after Jan. 22nd 22*

LIMITED PLACES
Places for the lab are limited and applicants will be accepted on a strict first-come first-served basis.

REGISTRATION
To register click here
For additional information visit the following website: www.bstt-madridcourse.com
or email us at: bstt@provalentia.com

SCIENTIFIC SECRETARIAT
Eduardo J. Ortiz-Cruz, MD
Andrés Redondo, MD

ACCOMMODATION
If you need accommodation you can either book it on the website or contact the Technical Secretariat.

TECHNICAL SECRETARIAT
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FACULTY

JOSEPH BENEVENIA (USA)

MARK C. GEBHARDT (USA)
Chief of Orthopaedic Surgery Beth Israel Deaconess Medical Center Frederick W. and Jane M. Ilfeld Professor of Orthopaedic Surgery Harvard Medical School. Boston.

FRANCIS J. HORNICEK (USA)
Chair of the Orthopaedics Department. University of Miami Leonard M. Miller School of Medicine. Florida.

MARC ISLER (CANADA)
Department of Orthopaedic Oncology, University of Montreal. Hospital Maisonneuve-Rosemont, Montreal, Quebec, Canada.

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

PETUR NIELSEN (USA)
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.

EDUARDO J. ORTIZ-CRUZ (SPAIN)
Chief of Orthopaedic Oncology Section, Hospital Universitario La Paz. MD Anderson Cancer Center. Hospital Universitario HM Monteprincipe. Ruber Hospital. Madrid.
FACULTY

SHREYASKUMAR R. PATEL (USA)
Robert R. Herring Distinguished Professor of Medicine. Center Medical Director, Sarcoma Center. Deputy Chairman, Dept. of Sarcoma Medical Oncology. The University of Texas M.D. Anderson Cancer Center.

ROBERT QUINN (USA)
Chair & Professor, Department of Orthopaedic Surgery. University of Texas Health Science Center at San Antonio. Immediate Past President, Musculoskeletal Tumor Society.

ANDRÉS REDONDO SÁNCHEZ (SPAIN)
Associate Professor of Medicine. Universidad Autónoma de Madrid. Sarcoma and Gynaecological Cancer Unit Medical Oncology Department. Hospital Universitario La Paz. Madrid.

ANDREW E. ROSENBERG (USA)
Professor and Vice Chair. Director of Bone & Soft Tissue Pathology. Miller School of Medicine. University of Miami Hospital.

PIETRO RUGGIERI (ITALY)
Professor and Chair Department of Orthopedics and Orthopedic Oncology University of Padova. Director of Center for Research on Musculoskeletal Tumors "Mario Mercuri". President of EMSOS. Secretary General of ISOLS.

ALAN L. SCHILLER (USA)
Founding Chair and Professor of Pathology. NOVA Southeastern University College of Allopathic Medicine. Florida, USA. HCA Program Director. Pathology Residency Program. Kendall Regional Medical Center.
SPEAKERS

**ROSA ÁLVAREZ ÁLVAREZ**
Sarcoma Medical Oncology. Hospital Universitario Gregorio Marañón. Madrid.

**IRENE BARRIENTOS RUIZ**

**BELÉN BELINCHÓN OLMEDA**
Radiation Oncology. Hospital Universitario La Paz y Hospital Ruber Internacional. Madrid.

**DANIEL BERNABEU TABOADA**
Radiology and Musculoskeletal Imaging Section. Hospital Universitario La Paz. Madrid.

**ELENA BRAVO BRAÑAS**

**JOSE M. CORDERO GARCÍA**
Nuclear Medicine Department. Hospital Universitario La Paz. Madrid.

**M PURIFICACIÓN DOMÍNGUEZ FRANJO**
Chair of Pathological Anatomy Service. Hospital Ruber Internacional and Hospital Rey Juan Carlos, Grupo Quiron, Madrid.

**CARMEN IGLESIAS URRACA**

**JOSÉ MARTEL VILLAGRÁN**
Radiology and Musculoskeletal Imaging Section. Hospital Universitario Fundación Hospital Alcorcón. Madrid.

**JAVIER MARTÍN BROTO**

**MARTA MENDIOLA SABIO**
Molecular Pathology Laboratory. Instituto de Genética Médica y Molecular. Universitario La Paz. Madrid.

**ÁNGEL MONTERO LUIS**

**MANUEL PELETEIRO PENSADO**

**ANTONIO PÉREZ MARTÍNEZ**
Head of Pediatric Hematology Oncology and Stem Cell Transplantation Hospital Universitario La Paz. Madrid.

**JOSÉ JUAN POZO KREILINGER**

**ALICIA RICO NIETO**
Infectious Diseases Unit. Hospital Universitario La Paz. Madrid.

**PEDRO RUBIO APARICIO**
Pediatric Hematology & Oncology Department. Hospital Universitario La Paz. Madrid.

**MAR TAPIA VIÑÉ**
Radiology and Musculoskeletal Imaging Section. Hospital Universitario La Paz. Madrid.

**CLAUDIA Mª VALVERDE MORALES**
Sarcoma Medical Oncology. President of Grupo GEIS. Hospital Universitario Vall d’Hebron. Barcelona.
PROGRAMME: WEDNESDAY 8TH

09:00 - 09:15 OPENING: WELCOME AND INTRODUCTION
Eduardo Ortiz-Cruz / Andrés Redondo

1. MUSCULOSKELETAL TUMORS: THE FOUNDATION
Moderators: Andrew Rosenberg / Eduardo Ortiz

09:15 - 09:45 Growth and Development of the Skeletal System.
Alan Schiller

09:45 - 10:15 Bone Tissue in Health and Disease.
Andrew Rosenberg

Andrew Rosenberg

10:45 - 11:05 Role of the Radiologist in the Analysis of Musculoskeletal Tumors.
José Martel

José Cordero

11:25 - 11:35 QUESTIONS

11:35 - 11:55 COFFEE

12:00 - 12:15 Molecular Biology of Sarcomas - the Basics.
Marta Mendiola

12:15 - 12:40 Clinical Case: When Molecular Biology is Crucial for Diagnosis.
José Pozo / Marta Mendiola / Mar Tapia

13:00 - 13:20 Pathology of Joint Disease / Joint Tumors.
Petur Nielsen

Andrew Rosenberg

Eduardo Ortiz-Cruz / José Pozo

13:55 - 14:15 QUESTIONS

14:15 - 15:15 LUNCH / WORKSHOP
Moderators: Michiel Van de Sande / Manuel Peleteiro

15:15 - 15:45 CASE PRESENTATION.
TUMOR BOARD

15:45 - 16:05 Benign Cartilage Tumors.
Francis Hornicek / Petur Nielsen

16:05 - 16:25 Malignant Cartilage Tumors.
Francis Hornicek / Andrew Rosenberg

16:25 - 16:45 Benign Bone Forming Tumors: Osteoid Osteoma, Osteoblastoma.
Mark Gebhardt / Alan Schiller

16:45 - 17:15 Malignant Bone Tumors: Osteosarcoma and Variants.
Mark Gebhardt / Andrew Rosenberg

17:15 - 17:30 QUESTIONS

17:40 - 19:00 LAB: Normal Bone Growth Plate; Joint Disease and Tumors, Cartilage Tumors; Myositis Ossificans, Cystic Tumors of Bone.
Alan Schiller / Petur Nielsen / Andrew Rosenberg / José Pozo / M Purificación Domínguez
PROGRAMME: THURSDAY 9TH

Moderators: Mark Gebhardt / Eduardo Ortiz-Cruz

08:30 - 08:50 Benign and Malignant Fibrous Tumors of Bone. 
Joseph Benevenia / Andrew Rosenberg

08:50 - 09:10 Fibro-osseous Tumors of Bone. 
Mark Gebhardt / Petur Nielsen

09:10 - 09:40 Systemic Treatment of Osteosarcoma. 
Shreyas Kumar Patel

09:40 - 10:00 Giant Cell Tumor of Bone and the Use of Adjuvants. 
Robert Quinn / Andrew Rosenberg

10:00 - 10:20 QUESTIONS

10:20 - 10:40 COFFEE

Moderators: Robert Quinn

10:50 - 11:20 BONE TUMOR CASE PRESENTATION: TUMOR-BOARD 
Petur Nielsen / Andrew Rosenberg / Alan Schiller

Petur Nielsen

11:40 - 12:10 Systemic Treatment of Round Cell Sarcomas. 
Shreyas Kumar Patel

12:10 - 12:30 Notochordal Tumors. 
Petur Nielsen

12:30 - 12:50 Chordoma: Surgical Treatment. 
Francis Hornicek

Ángel Montero

13:10 - 13:30 QUESTIONS

13:30 - 14:50 LUNCH / WORKSHOP

Moderators: Francis Hornicek / Pietro Ruggieri

14:50 - 15:20 CASE PRESENTATION: MSTS PRESIDENTS. 
Michael Mott / Robert Quinn / Joseph Benevenia

15:20 - 15:40 Outcomes in Musculoskeletal Oncology: Surgeon or Patient Centered. 
Robert Quinn

15:40 - 16:00 GCT on distal radius. Surgical treatment. 
Marc Isler

16:00 - 16:20 Current Status of Reconstructions for Bone Sarcomas in Children. 
Mark Gebhardt

16:20 - 16:40 Current Status of Reconstructions for Bone Sarcomas in Adults. 
Francis Hornicek

16:40 - 17:00 Advances in Shoulder Girdle Reconstructions. 
Pietro Ruggieri

17:00 - 17:20 QUESTIONS

17:30 - 19:00 LAB: Benign and Malignant Bone Forming Tumors, Benign and Malignant Cartilage Tumors, Giant cell tumor, Benign Cystic Lesions, Benign Fibrous lesions, Joint Tumors, Summation. 
Alan Schiller / Petur Nielsen / Andrew Rosenberg / José Pozo / M Purificación Dominguez
3. SOFT TISSUE TUMORS
Moderators: Eduardo Ortiz-Cruz / Petur Nielsen

08:30 - 09:00  Soft Tissue Sarcoma: Classification, Grading, and Handling specimens.  
               Petur Nielsen

09:00 - 09:20  Imaging of Soft Tissue Sarcomas: Evaluation of Response and Follow-up.  
               Daniel Bernabeu

09:20 - 09:40  Tight Margins and Soft Tissue Sarcomas: a Practical Exploration of Surgical Realities.  
               Michael Mott

09:40 - 10:00  Role of Plastic Surgery in Soft Tissue Sarcomas.  
               Carmen Iglesias / Elena Bravo

10:00 - 10:30  Neoadjuvant or Adjuvant Chemotherapy for Soft Tissue Sarcomas.  
               Shreyaskumar Patel

10:30 - 10:50  QUESTIONS

10:50 - 11:10  COFFEE

Moderators: Andrés Redondo / Javier Martín

               Belén Belinchón

               Andrés Redondo

11:50 - 12:20  SOFT TISSUE SARCOMA CASE PRESENTATION.  
               TUMOR BOARD.  
               La Paz Hospital Sarcoma Committee

               Claudia Valverde

12:40 - 13:00  Is there Room for Immunotherapy in Soft Tissue Sarcomas?  
               Javier Martín-Broto

13:00 - 13:20  QUESTIONS

13:20 - 14:30  LUNCH / WORKSHOP

Moderators: Shreyaskumar Patel / Andrés Redondo

14:30 - 15:00  Fibromatosis: A Multidisciplinary Approach.  
               Eduardo Ortiz-Cruz / Belén Belinchón / Daniel Bernabeu / Andrés Redondo

15:00 - 15:20  Tissue Agnostic Therapies: a New Option for Patients with Sarcoma.  
               Rosa Álvarez

15:20 - 15:40  Update on Rhabdomyosarcoma.  
               Pedro Rubio

15:40 - 16:00  Role of Natural Killers Cell Therapy in Pediatric Sarcomas.  
               Antonio Pérez

16:00 - 16:20  QUESTIONS

16:30 - 18:00  LAB: Ewing Sarcoma, Lymphoma, Myeloma, Chordoma, Langerhans Cell Histiocytosis, GCT, Summation.  
               Alan Schiller / Petur Nielsen / Andrew Rosenberg / José Pozo / M Purificación Domínguez
4. MISCELLANEUS  
Moderators: Eduardo Ortiz-Cruz

09:00 - 09:30  SURGICAL CASE PRESENTATION.  
Marc Isler / Eduardo Ortiz-Cruz

09:30 - 09:50  Pelvic Tumor Reconstruction: Indications, Implants and Outcome.  
Joseph Benevenia

09:50 - 10:10  3D Printed Reconstructions.  
Pietro Ruggieri

10:10 - 10:30  Simulation as Preparation for Complex Orthopedic Oncology Surgery.  
Marc Isler

10:30 - 11:50  QUESTIONS

11:50 - 12:10  COFFEE

Manuel Peleteiro / Irene Barrientos / Alicia Rico

12:40 - 13:10  Salvage of Previous Failed Limb Salvage Reconstructions.  
Michael Mott

13:10 - 13:30  Am I Nailing a Pathologic Fracture?  
Francis Hornicek

13:30 - 14:00  QUESTIONS AND CLOSING REMARKS  
Francis Hornicek / Mark Gebhardt / Eduardo Ortiz-Cruz
AUSPICES

SEOM
Sociedad Española de Oncología Médica

SLATME
Sociedad Latinoamericana de Tumores Músculo Esqueléticos

SOMACOT
Sociedad Matritense de Cirugía Ortopédica y Traumatología

AEAS
European Musculo-Skeletal Oncology Society

EMSOS

EFORT
European Federation of National Associations of Orthopaedics and Traumatology

GEIS
Grupo Español de Investigación en Sarcoidosis, Infecciones Proliferativas y Tumores de Masa en Extremidades

GETTHI

ISOLS

MSTS
Musculoskeletal Tumor Society

Supported by Musculoskeletal Tumor Society

SECO

Sociedad Española de Cirugía Ortopédica y Traumatología

VyDA

Vig y Díaz Ortegui

9TH MULTIDISCIPLINARY BONE AND SOFT TISSUE TUMORS MADRID COURSE, 8th - 11th June 2022
* The Course has been granted 27 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).
* The Course is Accredited by ACOE
* Credits for Continuing Medical Education have been applied for to the Consejería de Sanidad of Madrid.
* Validated by FENIN
9th MULTIDISCIPLINARY BONE AND SOFT TISSUE TUMORS MADRID COURSE
8th - 11th June 2022

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