

PRESENTATION

We are delighted to announce the organization of the 7th Bone and Soft Tissue Tumors Madrid Course in Madrid, Spain to be held in February 2019.

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 oncologists, reconstructive and reparative surgeons and medical radiation oncologists from the best sarcomas centers including Harvard Medical School - Massachusetts General Hospital (Boston) and Beth Israel Deaconess Medical Center (Boston), David Geffen School of Medicine and Ronald Regan Medical Center of University of California Los Angeles (UCLA), 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), 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 (120 - 150; 40% from outside of Spain) include residents, fellows, and practicing clinicians who are interested in orthopaedic, medical, and radiation oncology, pathology, radiology, and reconstructive surgery who treat 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.

In this course of 2019, we have the invaluable collaboration of Andrés Redondo, sarcoma medical oncologist, putting emphasis on the medical treatment of soft tissue sarcomas. The course offers to all multidisciplinary sarcoma team 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 reconstructive and reparative 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 to be expected in the treatment of these kinds of pathologies.

This course was organized in Madrid in 2000, 2003, 2009, 2012, 2014 and 2016 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 Co-director

IN MEMORIAN



In loving memory of Dr. Henry Mankin. You will remain in all your disciples' and patients' hearts. Thank you for all you did for us. We will keep passing on all the knowledge you left to us.

FACULTY

JOSEPH BENEVENIA (USA)

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

NICHOLAS BERNTHAL (USA)

Pediatric Orthopaedic Surgery. Orthopaedic Surgery Ronald Reagan UCLA Medical Center. UCLA Medical Center, Santa Monica, Usa.

MARK C. GEBHARDT (USA)

Chief of Orthopaedic Oncology Surgery B Medical Center. Frederick W. and Jane M. Ilfeld Professor of Orthopaedic Surgery Harvard Medical School. Boston, Usa.

ROBERT H. QUINN (USA)

Chair & Professor, Department of Orthopaedic Surgery. University of Texas Health Science Center at San Antonio, Usa. Immediate Past President, Musculoskeletal Tumor Society.

FRANCIS J. HORNICEK (USA)

Chair of the Department of Orthopaedic Surgery at UCLA. David Geffen School of Medicine at UCLA. Ronald Reagan UCLA Medical Center, Santa Monica, Usa.

SANTIAGO LOZANO CALDERON (USA)

Orthopaedic Oncology Surgeon Instructor in Orthopaedic Surgery, Harvard Medical School Massachusetts General Hospital Boston, Usa.

G. 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 and Ruber Hospital, Madrid. Hospital Universitario de Monteprincipe, Boadilla del Monte, Madrid, Spain.

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, Usa.

JUAN PRETELL (USA)

Orthopedic Oncology Surgeon. Assistant Professor of Orthopedics - Miller School of medicine. University of Miami - Department of Orthopedics. Miami, Florida, Usa.

ANDRÉS REDONDO SÁNCHEZ (SPAIN)

Professor of Medicine. Universidad Autónoma de Madrid. Sarcoma Medical Oncology. Hospital Universitario La Paz, Madrid, Spain.

ANDREW E. ROSENBERG (USA)

Professor and Vice Chair. Director of Bone & Soft Tissue Pathology. Miller School of Medicine, University of Miami Hospital, Usa.

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.

OTHER SPEAKERS

IRENE BARRIENTOS RUIZ

Orthopaedic Oncology Surgery.
Hospital Universitario La Paz, Madrid, Spain.

BELÉN BELINCHÓN OLMEDA

Radiation Oncology.
Hospital Universitario La Paz y Hospital
Ruber Internacional, Madrid, Spain.

DANIEL BERNABEU TABOADA

Radiology and Musculoskeletal Imaging
Section.
Hospital Universitario La Paz, Madrid, Spain.

ANGEL BUENO H.

Radiology and Musculoskeletal Imaging
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Hospital Universitario Fundación Alcorcón,
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Radiation Oncology Department
Hospital Universitario Virgen de la Victoria,
Málaga, Spain.

RICARDO CUBEDO

Medical Oncology Department. Hospital
Universitario Puerta de Hierro. Instituto
Oncológico Baselga, Madrid, Spain.

MARIA PURIFICACIÓN DOMINGUEZ FRANJO

Chair of Pathological Anatomy Service.
Hospital Ruber Internacional and Hospital
Rey Juan Carlos, Grupo Quiron. Madrid,
Spain.

XAVIER GARCIA DEL MURO

Genitourinary Cancer and Sarcoma Unit
Department of Medical Oncology Institut
Català d'Oncologia L'Hospitalet. Barcelona,
Spain.

CARMEN IGLESIAS URRACA

Plastic and Reconstructive Surgery.
Hospital Universitario La Paz, Madrid, Spain.

JAVIER MARTIN BROTO

Past-Chairman of GEIS Group. Medical
Oncology Department.
Hospital Universitario Virgen del Rocío,
Sevilla, Spain.

MARTA MENDIOLA

Molecular Pathology Laboratory. Instituto
de Genética Médica y Molecular. Hospital
Universitario La Paz, Madrid, Spain.

MANUEL PELETEIRO PENSADO

Orthopaedic Oncology Surgery.
Hospital Universitario La Paz, Madrid, Spain.

JOSÉ JUAN POZO KREILINGER

Bone and Soft Tissue Pathology.
Hospital Universitario La Paz, Madrid, Spain.

PEDRO RUBIO

Pediatric Hematology & Oncology
Department.
Hospital Universitario La Paz, Madrid, Spain.

ANDRZEJ SZAFRAŃSK

Deputy Head. Instytut Matki i Dziecka,
Warsovia, Poland.

JUAN CARLOS VIERA

Radiation Oncology Department
M.D. Anderson Cancer Center, Madrid,
Spain.

An aerial photograph of a city, heavily tinted with a blue color. The image shows a dense urban landscape with numerous buildings, streets, and a prominent highway in the lower-left quadrant. A large, white, circular graphic element is centered on the page, containing the word 'PROGRAMME' in a bold, blue, sans-serif font.

PROGRAMME

9:00-9:15 Welcome and Introduction
Dra. Mercedes Fernández de Castro Pombo.
Subdirectora Gerente Hospital General y Traumatología. Hospital La Paz.
Dr. José María Muñoz y Ramón
Director Médico. Hospital La Paz.
Dr. Eduardo Ortiz Cruz
Course Director
Dr. Andrés Redondo
Course Co-Director

1. INTRODUCTION TO MUSCULOESKELETAL TUMORS

Moderators: **A. Rosenberg / E. Ortiz Cruz**

9:15-9:45 Growth and Development of the Skeletal System
A. Schiller

9:45-10:15 The Biology of Bone
A. Rosenberg

10:15-10:45 Introduction to Bone tumors: The Who's, What's and Why's
A. Rosenberg

10:45-11:15 Role of the Radiologist in the Analysis of Musculoskeletal Tumors
A. Bueno

11:15-11:30 Questions

11:30-11:50 COFFEE

Moderators: **A. Redondo / J. J. Pozo**

11:50-12:20 Molecular Biology of Sarcomas - the Basics
M. Mendiola

12:20-12:50 Multidisciplinary team approach in treating the patient with sarcoma
A. Redondo

12:50-13:20 Tumor-like lesions: Fracture Callus, Myositis Ossificans, Brown Tumor, Bizarre Parosteal Osteochondromatous Proliferations
A. Schiller

13:20-13:50 Benign Cystic Lesions of Bone: UBC, ABC, ganglion
E. Ortiz Cruz / J. J. Pozo

13:50-14:20 Pathology of Joint Disease / Joint Tumors
S. Lozano / P. Nielsen

14:20-14:30 Questions

14:30-15:30 LUNCH

14:35-15:30 WORKSHOP MBA: Evaluation of indications and the perspectives of limb salvage surgery in malignant bone tumors in children. Xpand growing prosthesis
A. Szafranski

15:30-16:15 Case Presentation. Tumor Board. (Televoting for audience participation)
Presenters: La Paz Sarcoma Committee
Discussants: International Faculties

2. BONE TUMORS

Moderators: **S. Lozano / F. J. Hornicek**

16:15-16:45 Benign Cartilage Tumors
F. J. Hornicek / P. Nielsen

16:45-17:15 Malignant Cartilage Tumors
F. J. Hornicek / A. Rosenberg

17:15-17:30 PET Scan in the Evaluation of Cartilage Tumors
J. Pretell

17:45-19:15 Normal Bone Growth Plate; Joint Disease And Tumors, Cartilage Tumors; Myositis Ossificans, Cystic Tumors Of Bone, Summation.
A. Schiller / P. Nielsen / A. Rosenberg / J. J. Pozo / M. P. Dominguez

LAB

Moderators: M.C. Gebhardt / E. Ortiz Cruz

8:30-9:00 Benign Bone Forming Tumors:
Osteoid Osteoma, Osteoblastoma
M. C. Gebhardt / A. Schiller

9:00-9:30 Malignant Bone Tumors:
Osteosarcoma and Variants
M. C. Gebhardt / A. Rosenberg

9:30-10:00 Systemic Treatment of
Osteosarcoma
S. Patel

10:00-10:30 Benign and Malignant Fibrous
Tumors of Bone
J. Benevenia / A. Rosenberg

10:30-10:50 Fibro-osseous Tumors of Bone
M. C. Gebhardt / G. Nielsen

10:50-11:00 Henry Mankin's Tribute
**M. C. Gebhardt / F. J. Hornicek /
A. Schiller**

11:00-11:20 COFFEE

Moderators: A. Redondo / S. Patel

11:20-11:50 Giant Cell Tumor of Bone and the
Use of Adjuvants
R. Quinn / A. Rosenberg

11:50-12:10 Medical Treatment of GCT of Bone
R. Cubedo

12:10-12:30 Undifferentiated small round /
spindle cell sarcomas – an update
R. Quinn / P. Nielsen

12:30-13:00 Systemic Treatment of Ewing
Sarcoma; the State of the Art
S. Patel

13:00-13:20 Notochordal Tumors
P. Nielsen

13:20-13:40 Questions

13:40-13:50 Patients Associations
Fundación Mari Paz Jiménez / AEAS

14:00-15:00 LUNCH

14:00-15:00 WORKSHOP A2C: Treatment of
Major Bone Defects of the Acetabulum
and Lower Extremities with the RTM
system and the AQL process
P. Baake

Moderators: E. Ortiz Cruz / F. J. Hornicek

15:00-15:45 Case Presentation. Tumor Board.
(Televoting for audience participation)
Presenters: La Paz Sarcoma Committee
Discussants: International Faculties

15:45-16:05 Surgical Treatment of Spine tumors
F. J. Hornicek

16:05-16:25 Radiation Therapy for Bone
Sarcoma
R. Correa

16:25-16:45 Current Status of Reconstructions
for Bone Sarcomas in Children
M. C. Gebhardt

16:45-17:05 Current Status of Reconstructions
for Bone sarcomas in Adults
F. J. Hornicek

17:05-17:25 What's New in surgery for Pelvic
Tumors?
J. Benevenia

17:25-17:45 To cement or Not to Cement:
Fixation of Endoprostheses into
Bone
N. Bernthal

17:45-18:00 Questions

18:15-19:45 Benign and Malignant Bone
Forming Tumors, Benign and
Malignant Cartilage Tumors, Giant
cell tumor, Benign Cystic Lesions,
Benign Fibrous lesions, Joint
tumors, Summation
**A. Schiller / P. Nielsen / A. Rosenberg
/ J. J. Pozo / M. P. Domínguez**

3. SOFT TISSUE TUMORS

Moderators: **P. Nielsen / E. Ortiz Cruz**

09:00-9:30 Soft Tissue Sarcoma: Classification, Grading, and Handling specimens
P. Nielsen

9:30-9:50 Current Status of Soft Tissue Sarcoma Surgery
E. Ortiz Cruz

9:50-10:10 Role of Plastic Surgery in Soft Tissue Sarcomas
C. Iglesias

10:10-10:30 The Unplanned Excision: the Best Approach
J. Pretell

10:30-11:00 (Neo)adjuvant Chemotherapy for Soft tissue Sarcomas
S. Patel

11:00-11:15 Questions

11:15-11:30 COFFEE

Moderators: **J. Martín Broto / A. Redondo**

11:35-12:00 Imaging of Soft Tissue Sarcomas: Evaluation of Response and Follow-up
D. Bernabéu

12:00-12:20 First Line Systemic Treatment in Advanced Soft Tissue Sarcomas
A. Redondo

12:20-12:40 Tailored Therapy for Second Line Treatment in Advanced Soft Tissue Sarcomas
X. Garcia del Muro

12:40-13:00 Adjuvant Radiation therapy in Soft Tissue Sarcomas
B. Belinchón

13:00-13:30 Questions

13:30-15:00 LUNCH

13:30-15:00 WORKSHOP ACUÑA FOMBONA: The Use of Carbon-Fiber Implants in Orthopaedic Oncology
S. Lozano Calderón

Moderators: **A. Redondo / J. Martín Broto**

15:00-15:40 Case Presentation. Tumor Board. (Televoting for audience participation)
Presenters: La Paz Sarcoma Committee
Discussants: International Faculties

15:40-16:00 Update on Rhabdomyosarcoma
P. Rubio

16:00-16:20 New Treatments for Chemo Resistant Sarcomas
J. Martín Broto

16:20-16:50 Fibromatosis: A Multidisciplinary Approach. Is It Still a Surgical Disease?
E. Ortiz Cruz / J. C. Viera / D. Bernabeu / A. Redondo

16:50-17:00 Questions

17:30-19:00 Soft Tissue Sarcomas, Ewing Sarcoma, Chordoma, Langerhans Cell Histiocytosis, GCT, Summation
A. Schiller / P. Nielsen / A. Rosenberg / J. J. Pozo / M. P. Dominguez

LAB

4. CHALLENGES IN ORTHOPAEDIC SURGERY

Moderators: *J. Benevenia / E. Ortiz Cruz*

- 9:30-9:50 Metastatic Disease to Soft Tissue
J. Pretell
- 9:50-10:10 Outcomes in Musculoskeletal Oncology: Surgeon or Patient Centered
R. Quinn
- 10:10-10:30 Experience with radio transparent nails
S. Lozano
- 10:30-10:50 Am I nailing a Pathologic Fracture?
F. Hornicek

- 10:50-11:10 Pathologic Fracture in Children. Prediction and Treatment
M. Gebhardt

11:10-11:30 COFFEE

- 11:30-11:50 Complications of Orthopaedic Oncological Procedures
M. Peleteiro / I. Barrientos
- 11:50-12:10 Salvage of Complications of Prior Tumor Surgeries
J. Benevenia
- 12:10-12:30 Infections in Megaprotheses Surgery. Past, Present and future
N. Bernthal
- 12:30-13:00 Questions and Closing Remarks
M. Gebhardt / F. Hornicek

ACCREDITATION

BSTT Course is validated by Med Tech



The BSTT Course has been accredited by European Accreditation Council for Continuing Medical Education (EACCME) with 25 European CME credits and by ACOE



Credits for Continuing Medical Education have been applied for to the Consejería de Sanidad of Madrid.



AUSPICES



SPONSORS



PROGRAMME

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MADRID COURSE

Dr. E. Ortiz Cruz

7th MULTIDISCIPLINARY
BONE AND SOFT
TISSUE TUMORS
MADRID COURSE

6-9 feb 2019



Supported by Musculoskeletal Tumor
Society (MSTS)

www.bstt-madridcourse.com



VENUE

Aula Ortiz Vázquez, Hospital Universitario La Paz. Madrid.

LABORATORY SYLLABUS (lab) - VENUE

Hotel Eurostars Madrid Tower.
Paseo de la Castellana, 259 B - 28046 Madrid

LANGUAGE

The course will be given in English with simultaneous translation into Spanish.

ORGANIZATION

FUAM (Fundación de la Universidad Autónoma de Madrid)

SCIENTIFIC SECRETARIAT

Eduardo J. Ortiz Cruz, MD
Andrés Redondo, MD

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