

EMSOS 28•30 APRIL PADOVA•ITALY Team Approach & Technology

37th Annual Meeting of the European Musculo-Skeletal Oncology Society

25th EMSOS

Nurse and Allied Professions Group Meeting

EMSOS President

Joanna Szkandera (Austria)

Congress Presidents

Pietro Ruggieri (Italy) | Elisa Pala (Italy)



Scientific Secretariat: Giulia Trovarelli, Mariachiara Cerchiaro, Alberto Crimi, Elisa Pagliarini (Italy) Scientific Organization: Anna Breda (Italy)

SCIENTIFIC PROGRAM



Welcome

I am enthusiastic to welcome you to the 37th Annual Meeting of the European Musculo-Skeletal Oncology Society and the 25th EMSOS Nurse and Allied Professions Group Meeting in our beautiful town, Padova.

It is for all of us members of the EMSOS the occasion of joining and reviewing our idea in the field of musculoskeletal oncology with the current updates and the multidisciplinary participation of all the colleagues involved in diagnosis and treatment of musculoskeletal patients.

As usual, we will have a Training Day the morning of the first day, and then a number of sessions reconducting to the main theme of this year: team approach and new technologies.

Both the town and our University have a long tradition in education in the medical school as well as in hospitality and arts.

We hope that you will enjoy this 2025 EMSOS meeting here in Padova!

Prof. Elisa Pala

President of the Congress

Prof. Pietro Ruggieri

President of the Congress

Prof. Joanna Szkandera

EMSOS President





Congress Presidents

Pietro Ruggieri | Elisa Pala

EMSOS President

Joanna Szkandera

EMSOS Secretary General

Andrea Angelini

EMSOS BOARD

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Ramses Forsyth | Andreas Leithner

Scientific Secretariat

Giulia Trovarelli | Mariachiara Cerchiaro Alberto Crimì | Elisa Pagliarini

Scientific Organization

Anna Breda



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07.30	REGISTRATION DESK OPENING		
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08.00-08.30	TRAINING DAY Honorary Presidents: E. Pala, P. Ruggieri Directors and moderators: G. Maccauro, G. Trovarelli, A. Angelini		
08.30-09.00	Imaging of bone and soft tissue tumors G. De Conti Pathology of bone and soft tissue tumors M. Sbaraglia		
09.00-10.35	Surgical treatment of bone tumors A. Leithner, N. Fabbri, G. Trovarelli Surgical treatment of soft tissue sarcomas		
10.30	E. Botello	COMPREHENSIVE CARE,	
10.35-12.00	Systemic treatment of musculoskeletal sarcomas A. Brunello Principle of radiotherapy M. Krengli Rehabilitation in orthopedic oncology J. Papathanasiou	NURSES & ALLIED PROF. Keynote Speaker: P. Bekkering Moderators: P. Bekkering C. Forni	
12.30			EMSOS Board meeting
14.00-14.30	WELCOME ADDRESS Secretary General, President of EMSOS, Presidents of the Congress		
14.30-16.00	MULTIDISCIPLINARITY IN ORTHOPEDIC ONCOLOGY Keynote Speaker: R. Windhager Moderators: A.G Mascard, J. Benevenia		
16.00-16.30	0 Coffee Break in the Exhibit Hall		
16.30-18.00	BONE METASTASES AND MULTIDISCIPLINARY APPROACH Keynote Speakers: M. van de Sande, F. Lee Moderators: D.A. Campanacci, A. M. Smolle	FREE PAPERS PROSTHESES AND COMPLICATIONS Keynote Speaker: N. Fabbri Moderators: D. Andreou O. Vyrva	
18.00-19.00	OPENING CEREMONY Congress Presidents: P. Ruggieri, E. Pala Authorities: P. S. Randelli, U. Cillo, A. Piccioli P. Burra: Notes on history of University of Padova R. Rizzuto: Medical Lecture: Biomedical research in Italy		
19.00-20.30	WELCOME RI	ECEPTION	



	TUESDAY April 29 th , 2	2025
	MANTEGNA PLENARY ROOM 1st Floor	GIOTTO BALCONATA PARALLEL ROOM 3 rd Floor
08.00-09.00	ROBOTICS & NAVIGATION Keynote Speaker: D. Donati Moderators: W. Aston, A. Streitbuerger	NEW STRATEGIES IN BENIGN TUMORS Keynote Speaker: R. Pollock Moderators: I. Bohacek, C. Errani
09.00-10.30	3D PRINTING TECHNOLOGY Keynote Speaker: L. Jeys Moderators: D. Kotrych, F. Hornicek	WHAT'S NEW IN SOFT TISSUE SARCOMAS Keynote Speaker: D. Campanacci Moderators: M. Niethard, J. Casanova
10.30-11.00	Coffee Break in the E	xhibit Hall
11.00-11.30	MARIO MERCURI LECTURE Presenters: P. Ruggieri, E. Pala Lecturer: D. Kotrych	
11.30-13.00	PELVIC, COMPLEX AND ATYPICAL RECONSTRUCTIONS Keynote Speaker: P. Papagelopoulos Moderators: P. Ruggieri, E. Ortiz-Cruz	SOFT TISSUE TUMORS AND INOPERABLE TUMORS: WHAT'S NEW Keynote Speaker: T. Baad-Hansen Moderators: S. Bastoni, R. Forsyth
13.00-14.00	IMPLANTCAST SYMPOSIUM	Buffet Lunch in the Exhibit Hall
14.00-15.30	MEGAPROSTHETIC RECONSTRUCTIONS Keynote Speaker: J. Hardes Moderators: E. Pala, V. Kontogeorgakos	Free Papers BIOLOGIC RECONSTRUCTIONS Keynote Speaker: E. Botello Moderators: G. Hobush, M. Yalcinkaya
15.30-16.00	Coffee Break in the Ex	khibit Hall
16.00-16.30	PRESIDENTIAL LECTURE Presenters: E. Pala, P. Ruggieri Lecturer: J. Szkandera	
16.30-17.30	BIOLOGIC RECONSTRUCTION: WHEN AND HOW Koungto Speaker L. Apparts Tings	HOW TO WRITE A PAPER Moderators: A. Mavrogenis, E. Pala
	Keynote Speaker: L. Aponte-Tinao Moderators: F. Fiorenza, V. O. Lewis	17.00-17.15 ENOVIS LECTURE
17.30-19.00	INFECTION AND ROLE OF ORTHOPLASTY Keynote Speakers: A. Angelini, M. Ghert Moderators: W. Ebeid, C. Tiengo	17.30-18.00 INVITED LECTURE Limb salvage in bone tumor surgery: insights from a personal practice Lecturer: 0. Vyrva
		18.00-18.15 BIOCOMPOSITES LECTURE Lecturer: L. Jeys
20.30	GALA DINNE	R





	WEDNESDAY A	April 30 th , 2025	
	MANTEGNA PLENARY ROOM 1st Floor	GIOTTO BALCONATA PARALLEL ROOM 3 rd Floor	GALILEO ROOM 1 st Floor
08.00-09.30	RECONSTRUCTIONS AND COMPLICATIONS Keynote Speaker: M. Houdek Moderators: F. Fiorenza, P. Ruggieri	Free Papers BENIGN TUMORS Keynote Speaker: J. Casanova Moderators: O. Savvidou, J. Bramer	
9.30-10.30	SPINAL AND SACRAL SURGERY Keynote Speaker: F. Hornicek Moderators: P. Funovics, A. Angelini	SPAGN Session Moderator: K. Schuster	
10.30-11.00	PRESIDENTIAL SESSION: International registries: an update Moderators: J. Szkandera Speakers: B. Miller, M. van de Sande	FUNCTIONAL RESULTS AND Q&L Keynote Speaker: E. Ortiz-Cruz Moderators: H. Wafa, B. Lehner	
11.00-11.30	UPDATE IN MEDICAL TREATMENTS OF SARCOMAS Keynote Speakers: A. Brunello, J. Szkandera, S. Stacchiotti Moderators: J. Szkandera, E. Palmerini		UNITED ORTHOPEDIC WORKSHOP
11.30-12.00	Coffee Break in th	e Exhibit Hall	
12.00-12.30	CAMPANACCI Presenters: P. Ruggi Lecturer: A.P.	eri, A. Angelini	
12.30-13.30	EXACTECH SY	MPOSIUM	
13.30-14.30	GENERAL AS	SEMBLY	
14.30-15.00	Buffet Lunch in th	ne Exhibit Hall	
15.00-16.00	ARTIFICIAL INTELLIGENCE AND ETHICS Keynote Speaker: A. Leithner Moderators: L. Campanacci, C. Catalin	MANAGEMENT AFTER WHOOPS SURGERY Keynote Speaker: S. Iwata Moderators: M. De Paolis, A. Gulia	
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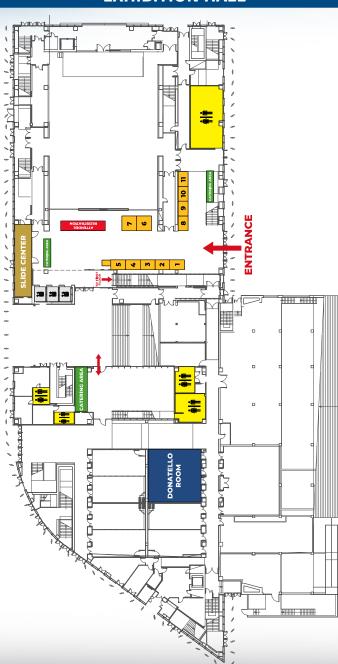
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EXHIBITION HALL

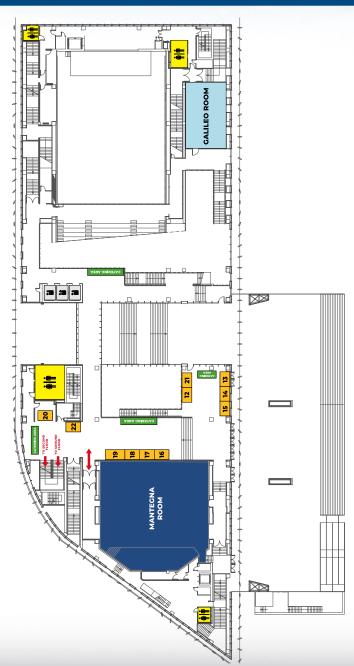


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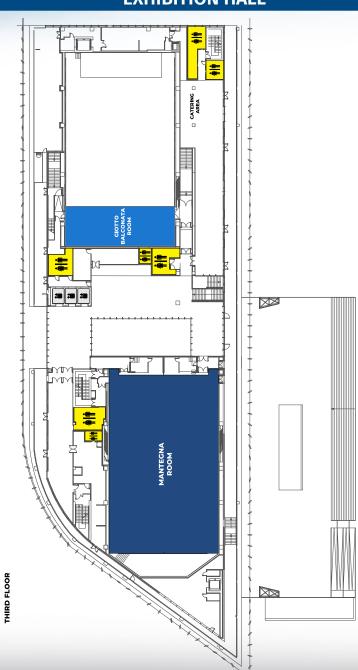


EXHIBITION HALL





EXHIBITION HALL





MANTEGNA - PLENARY ROOM 1st Floor

07.30	REGISTRATION DESK OPENING
08.00 12.00	TRAINING DAY Honorary Presidents: Elisa Pala (Padova, IT), Pietro Ruggieri (Padova, IT) Moderator: Giulio Maccauro (Roma, IT)
08.10	Imaging of bone and soft tissue tumors Giorgio De Conti (Padova, IT)
08.30	Pathology of bone and soft tissue tumors Marta Sbaraglia (Padova, IT)
08.50 09.00	Discussion
09.00	Surgical treatment of benign tumors Andreas Leithner (Graz, AT)
09.20	Surgical treatment of malignant tumors Nicola Fabbri (New York, USA)
09.40	Surgical treatment of metastases Giulia Trovarelli (Padova, IT)
10.00	Surgical treatment of soft tissue sarcomas Edoardo Botello (Santiago, CI)
10.20 10.35	Discussion
10.35	Systemic treatment of musculoskeletal sarcomas Antonella Brunello (Padova, IT)
10.55	Principle of radiotherapy in musculoskeletal tumors Marco Krengli (Padova, IT)
11.15	Rehabilitation in orthopedic oncology J. Papathanasiou (Plovdiv, BG)
<u>11.35</u> 12.00	Discussion
14.00 14.30	WELCOME ADDRESS President of EMSOS - Joanna Szkandera (Graz, AT)

President of EMSOS - **Joanna Szkandera** (Graz, AT) Presidents of the Congress – **Pietro Ruggieri, Elisa Pala** (Padova, IT) Secretary General - **Andrea Angelini** (Padova, IT)



MANTEGNA - PLENARY ROOM 1st Floor

14.30	Session 1
16.00	MULTIDISCIPLINARITY IN ORTHOPEDIC ONCOLOGY
	Moderators: Anne Gomez-Mascard (Toulouse, FR), J. Benevenia (Newark, USA,

14.30 **KEYNOTE LECTURE:**

- 14.40 MULTIDISCIPLINARITY IN ORTHOPEDIC ONCOLOGY Reinhard Windhager (Vienna, AT)
- 14.40 **ID 5** Follow-up analysis of lesion characteristics of enchondromas and atypical cartilaginous tumors of the knee and shoulder region on MRI **Andreas Leithner** (*Graz, AT*)
- 14.45 **ID 96** Presence of IDH2 mutation significantly reduces disease-specific survival of patients with chondrosarcoma **Anne Weidlich** (Berlin, DF)
- 14.50 **ID 102** Treatment of low-grade soft tissue sarcoma with preoperative radiotherapy: A single-institution experience **Hisaki Aiba** (Nagoya, JP)
- 14.55 **ID 120** Commonly utilized comorbidity indices do not adequately capture severity of illness in musculoskeletal oncology surgical patients **Shalin Patel** (Houston. TX)
- 15.00 **ID 192** Single nucleus RNA sequencing reveals heterogeneity of response to chemotherapy treatment in osteosarcoma **Anne Gomez-Mascard** (Toulouse, FR)
- 15.05 **ID 237** Isolated Regional Lymph Node Involvement in High-Grade Appendicular Bone Sarcoma is Associated with Poor Survivorship: A National Cohort Database Study **Angad Bedi** (*Groningen*, *NL*)
- 15.10 **ID 253** What's the outcome of patients treated with vascular by-pass for limb salvage surgery of soft tissue sarcoma? **Pasquale Tammaro** (Firenze, IT)
- 15.15 **ID 293** A Radiological Model for Predicting Histological Response to Preoperative Chemotherapy in Ewing Sarcoma **Hisaki Aiba** (Nagoya, JP)
- 15.20 **ID 296** Optimizing Resection Margins in Ewing's and Osteosarcoma of the Extremities through improved Magnetic Resonance Imaging Assessment a Retrospective Multicenter Study **Andreas Krieg** (Basel, SZ)



MANTEGNA - PLENARY ROOM 1st Floor

- 15.25 **ID 313** Immune Evasion and NK Cell Infiltration in Pediatric Sarcomas: Implications for Targeted Immunotherapy **Adrian Ibanez Navarro** (Madrid, ES)
- 15.30 **ID 315** A multidisciplinary approach to assessing the impact of local therapy in pediatric bone sarcoma patients and survivors: related adverse events and health-related quality of life

Leonie G. Tigelaar (Utrecht, NL)

- $\frac{15.30}{16.00}$ Discussion
- 16:00 16:30 **Coffee Break in the Exhibit Hall**
- 16.30 **Session 2:**
- 18.00 BONE METASTASES AND MULTIDISCIPLINARY APPROACH

Moderators: Domenico Andrea Campanacci (Firenze, IT), Anna Maria Smolle (Graz, AT)

- **16.30 KEYNOTE LECTURE:**
- **16.40** BONE METASTASES AND MULTIDISCIPLINARY APPROACH Michiel van de Sande (Leiden, NL)
- 16.40 **ID 10** The Proximal Femur Reconstruction or Internal Fixation for Metastases (PERFORM) Randomized Controlled Trial Protocol Development **Michelle Ghert** (Baltimore, USA)
- 16.45 ID 53 Minimally Invasive Management of Metastatic Disease at the Pelvis: A Single Institution Analysis Ashley Castan (New Jersey, USA)
- 16.50 **ID 115** Complications, implant survival and functional outcome of standard and dual mobility bearing total hip arthroplasty with antiprotrusio cage for pelvic metastasis **Ariva Panutut** (Bologna, IT)
- 16.55 **ID 132** Incidence of Pathological Fractures and the Role of Additional Targeted Screening in Early Detection for Patients with Metastatic Bone Disease of the Proximal Humerus
 - Lotte Roelien van der Linden (Groningen, NL)
- 17.00 **ID 152** Locked Intramedullary Nailing for Humeral Metastases: A Retrospective Analysis of Functional Outcomes **Erhan Okay** (Istanbul, TR)

MANTEGNA - PLENARY ROOM 1st Floor

17.05	ID 161 - The morbidity and mortality of simultaneous vs staged
	intramedullary nail procedures for metastatic bone disease: a retrospective
	cohort study of 10 years
	Erica Giles (Houston, USA)

17.10 **ID 168** - Is the risk of implant failure after intramedullary nailing and megaprosthesis influenced by the location of proximal intertrochanteric and subtrochanteric femoral metastasis?

Konstantina Solou (Bologna, IT)

17.15 **ID 325** - Do we need a simpler prosthetic system for the reconstruction of the metastatic proximal femur? **Michele Boffano** (Torino IT)

17.20 **ID 330** - Intramedullary nailing vs modular megaprosthesis in extracapsular metastases of proximal femur: clinical outcomes and complication in a retrospective study

Raffaele Vitiello (Roma, IT)

17.25 **ID 355** - Which Nail will Fail? Can Surgeons Correctly Predict Which Proximal Femoral Metastatic Lesions can be Successfully Managed with Intramedullary Nail Fixation **Alvsia Kemp** (Houston, USA)

17.30 Discussion

17.45 **KEYNOTE LECTURE:**

17.55 MINIMALLY INVASIVE TREATMENT IN BONE METASTASES

Francis Lee (New Haven, USA)

17.55 18.00 Discussion



MANTEGNA - PLENARY ROOM 1st Floor

18.00 19.00

OPENING CEREMONY

Prof. Elisa Pala, Prof. Pietro Ruggieri

Welcome Message

Prof. Pietro Simone Randelli

President of SIOT (Italian Society of Orthopedic and Traumatology)

Prof. Umberto Cillo

Chair of the Department of Surgery, Oncology and Gastroenterology (DISCOG)

Dr. Andrea Piccioli

Director of ISS (National Institute of Health)

Prof. Patrizia Burra

Vice-Rector for Post Lauream Education, University of Padova

LECTURE: NOTES ON HISTORY OF UNIVERSITY OF PADOVA

Prof. Rosario Rizzuto

Professor of General Pathology and Past Rector of University of Padova

MEDICAL LECTURE: BIOMEDICAL RESEARCH IN ITALY

End of the first day of Congress

19.00 20.30

WELCOME RECEPTION

3rd floor foyer of Padova Congress



12.00

MONDAY April 28th, 2025

GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

	Session 3	
10.30	36221011 2	

COMPREHENSIVE CARE, NURSES & ALLIED PROFESSIONALSModerators: **Willem Peter Bekkering** (Utrecht, NL), **Cristiana Forni** (Bologna, IT)

10.30 KEYNOTE LECTURE:

- 10.40 COMPREHENSIVE CARE, NURSES & ALLIED PROFESSIONALS Willem Peter Bekkering (Utrecht, NL)
- 10.40 **ID 52** Patient-Reported Outcome Measures (PROMs) following hemipelvectomy: Preliminary results from a tertiary sarcoma center **Nina Myline Engel** (Essen, DE)
- 10.45 **ID 317** Physical activity in patients after local therapy for pediatric bone sarcoma of the lower extremity: Insights from objective measurement by accelerometry **Leonie Tigelaar** (Utrecht, NL)
- 10.50 **ID 143** Postoperative Opioid Consumption Trends After Oncologic Endoprosthetic Reconstruction of the Lower Limb **Santiago Lozano-Calderon** (Boston, USA)
- 10.55 **ID 202** Evaluation of fatigue, quality of life and functional ability in patients with bone and soft tissue sarcomas undergoing chemotherapy treatment. An observational study **Paola Coluccino** (Bologna, IT)
- 11.00 **ID 217** Early recovery of ambulation after lower limb resection and reconstruction surgery for musculoskeletal cancer **Mattia Morri** (Bologna, IT)
- 11.05 **ID 303** Monitoring Distress in Hospitalized Patients: A Retrospective Study in the Orthopedic Oncology Department of the Rizzoli Orthopedic Institute **Felicia Iacovone** (Bologna, IT)
- 11.10 **ID 321** The Impact of Proximal Fibula Resection on Foot and Ankle Biomechanics: A Radiological and Pedobarographic Evaluation **Berkay Dogan** (Istanbul, TR)
- 11.15 **ID 104** The Rehabilitative care management in patients with osteosarcoma in developmental age **Paola Imazio** (Torino, IT)
- 11.20 **ID 332** Functional outcomes after local therapy for pediatric bone sarcoma of the lower extremity: Insights into satisfaction with participation from a nationwide cohort **Leonie Tigelaar** (Utrecht, NL)



GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

- 11.25 **ID 336** Evaluation of shared decision-making in routine care for primary malignant bone tumor surgery around the knee in children: A qualitative study of patient and parents' perspectives **Kiki Blom** (Amsterdam, NL)
- 11.30 **ID 367** The role of nurse coordinators/Case Manager performance in musculoskeletal oncology

 Marina Bocchese (Padova, IT)
- 11.35 **ID 368** Prone position nursing protocol for the prevention of intraoperative complications in spine surgery for oncologic and degenerative disease **Anika Penko** (Padova. IT)
- 11.35 12.00 Discussion
- 12.30 14.00 EMSOS Board meeting DONATELLO ROOM (Ground floor)
- 16.00 Coffee Break in the Exhibit Hall
- 16.30 **Session 4**
- 18.00 FREE PAPERS PROSTHESES AND COMPLICATIONS
 Moderators: Dimosthenis Andreou (Muenster, DE), Oleg Vyrva (Kharkiv, UA)
- 16.30 **KEYNOTE LECTURE:**
- **16.40** PROSTHESES AND COMPLICATIONS
 - **Nicola Fabbri** (New York, USA)
- 16.40 **ID 17** Proximal Humeral Endoprosthetic Reconstruction for Tumor Defects: Clinical Outcomes of 165 patients From The MUTARS Orthopedic Registry Europe (MORE)
 - Richard Evenhuis (Leiden, NL)
- 16.45 ID 54 Arthrodesis to Avoid Amputation in Patients with Massive Bone Loss due to Infection at the Knee: A Single Institution Review Ashlev Castan (New Jersey, USA)
- 16.50 **ID 78** Can we lower the risk of implant failure for metastatic bone disease of the proximal femur by using endoprostheses? **Michala Skovlund Sørensen** (Copenhagen, DK)

MONDAY 28th April 2025

GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

- 16.55 **ID 82** Allograft Prosthesis Composites For Proximal Femur Replacement In Pediatric Patients With Bone Sarcomas **Giulia Puccetti** (Bologna, IT)
- 17.00 **ID 144** Is DAIR-plus an effective procedure in periprosthetic joint infections in knee megaprostheses? **Guido Scoccianti** (Firenze, IT)
- 17.05 **ID 200** This systematic review of the Literature confirms a high incidence of infections in biologic reconstructions after resections of primary bone tumours. Despite DAIR is a viable attempt, in most of the cases a two-stage approach with graft removal and recontstruction with endoprosthesis presented the highest chance to overcome infection guaranteeing a reconstruction. Based on the results of this review, a multicentric registry study on the management of infections after biologic reconstructions in bone sarcomas.

Andrea Sambri (Bologna, IT)

- 17.10 **ID 234** Treatment outcomes in patients undergoing proximal femoral resection arthroplasty for tumors of the musculoskeletal system **Abdallah Abdel Jabar** (Samsun, TR)
- 17.15 **ID 240** Preliminary Results of a New Generation Modular Proximal Femoral Resection Prosthesis Products for the Treatment of Proximal Femoral Defects **Emre Tepedelenlioğlu** (Ankara, TR)
- 17.20 **ID 292** The prognosis and treatment of Pathological Fracture of Proximal Femur in Sarcoma: A single center retrospective study **Koichi Okajima** (Birmingham, UK)
- 17.25 18.00 Discussion

End of the first day of Congress



TUESDAY April 29th, 2025 MANTEGNA – PLENARY ROOM 1st Floor

08.00 09.00	Session 5 ROBOTICS & NAVIGATION Moderators: Will Aston (London, UK), Arne Streitbuerger (Essen, DE)
08.00 08.10	KEYNOTE LECTURE: ROBOTICS & NAVIGATION Davide Maria Donati (Bologna, IT)
08.10	ID 108 - What to choose in bone tumor resections? Patient specific instrumentation versus surgical navigation Alessandro Bruschi (Bologna, IT)
08.15	ID 134 - Use of Augmented Reality-Assisted Intraoperative Guidance As A Tool For Precision Placement Of 3D-Printed Implants. Experimental Study Javier Orozco Martínez (Madrid, ES)
08.20	ID 156 - 3D virtual reality simulation for musculoskeletal tumors: reconstruction and simulated surgery. A preliminary 38 case study Juan Pablo Zumárraga (Quito, EC)
18.25	ID 176 - Hybrid (Robotic and Open) Surgical Resection and Reconstruction for Pelvic Ewing's Sarcoma Valérie Lacroix (Brussels, BE)
08.30	ID 211 - Augmented reality as a navigation tool in orthopedic oncology surgery Marta Bortoli (Bologna, IT)
08.35	ID 262 - Accuracy and Clinical Outcomes of Treating Osteoid Osteoma Using a Virtual Trajectory Aiming Guide Technique in a Hybrid Operating Room Noam Olshinka (Hadassah, IL)
08.40	ID 307 - Navigation-assisted surgery improve bony margin resection in pelvic and sacral Sarcoma Piya Kiatisevi (Bangkok, TH)
08.45	ID 366 - The use of navigation vs custom-made saw jigs in computer-assisted pelvic resection and reconstruction. What is better? Maria Chiara Cerchiaro (Padova, IT)
08.45 09.00	Discussion



MANTEGNA - PLENARY ROOM 1st Floor

09.00 10.30	3D PRINTING TECHNOLOGY Moderators: Daniel Kotrych (Szczecin, PL), Francis Hornicek (Miami, USA)
09.00 09.10	KEYNOTE LECTURE: 3D PRINTING TECHNOLOGY Lee Jeys (Birmingham, UK)
09.10	ID 22 - Comparison of tendon attachment to 3D printed Ti6Al4V implant versus Trevira® implant: A paired experimental animal study Sarah Freund (Aarhus, DK)
09.15	ID 28 - Innovative AR-guided system for precise placement of 3D-printed guides in Musculoskeletal Oncology Tanya Fernández-Fernández (Madrid, ES)
09.20	ID 38 - The midterm outcome of custom mad and 3D printed implant for juxta-articular bone tumors reconstruction Ahmad Shehadeh (Amman, JO)
09.25	ID 88 - Crio2AR: Effectiveness of Preoperative Planning with Augmented Reality and 3D Printing in Cryotherapy for the Treatment of Giant Cell Bone Tumors Antonio D'Arienzo (Pisa, IT)
09.30	ID 117 - Distal Tibia Endoprosthesis Reconstruction after Resection of Aggressive Bone Tumors: Is it a Reliable Treatment Option? Nor Faissal Yasin (Kuala Lumpur, MY)
09.35	ID 153 - 3D-printing and virtual surgery in preoperative planning and surgical management of soft tissue sarcoma Juan Pablo Zumárraga (Quito, EC)
09.40 09.50	Discussion
09.50	ID 185 - Outcome of 3D-printed hemiprostheses after resection of bone sarcomas of the upper extremity – a case series Bosse Rüberg (Essen, DE)
09.55	ID 212 - Use of 3D Printed PSI for Biplanar Osteotomies in Bone Tumor Resection and Allograft Shaping in Children Lizz van der Heijden (Leiden, NL)



MANTEGNA - PLENARY ROOM 1st Floor

ID 272 - Custom-made Scapular Reconstructions after Resections for 10.00 Primary Tumors. Which Prosthetic Design in Different Clinical Scenario? **Roberto Scanferla** (Firenze, IT) ID 323 - Radiological and Clinical Evaluation of 3D-Printed Porous Collars in 10.05 Resection Prosthesis for Hip and Knee: Preliminary Data **Giuseppe Francesco Papalia** (Roma, IT) ID 353 - High Infection Rates in 3D-Printed Implant Reconstructions for 10.10 Pelvic Sarcomas: A Call for Improved Strategies Thomas Schubert (Brussels, BE) 10.15 **ID 359** - Three-Dimensionally Printed Custom-Made Prosthetic Reconstructions in Atypical Sites: Indications and Results in a Retrospective Study of 16 Cases Giulia Trovarelli (Padova IT) 10.20 Discussion 10.30 10:30 **Coffee Break in the Exhibit Hall** 11:00

11.00 MARIO MERCURI LECTURE

11.30 Presenters: Pietro Ruggieri (Padova, IT), Elisa Pala (Padova, IT)

Improving biocompatibility in future development of personalized surgery in the treatment of advanced bone tumors

Daniel Kotrych (Szczecin, PL)



	MANTEGNA – PLENARY ROOM 1 st Floor
11.30 13.00	Session 7 PELVIC, COMPLEX AND ATYPICAL RECONSTRUCTIONS Moderators: Pietro Ruggieri (Padova, IT), Eduardo Ortiz-Cruz (Madrid, ES)
<u>11.30</u> 11.40	KEYNOTE LECTURE: PELVIC, COMPLEX AND ATYPICAL RECONSTRUCTIONS Panayiotis Papagelopoulos (Athens, EL)
11.40	ID 49 - Impact of Surgical Advancements and Treatment Paradigms on Survival Outcomes in Pelvic Bone Sarcomas: A Comparative Analysis of Modern and Historical Cohorts Lee Jeys (Birmingham, UK)
11.45	ID 84 - Periacetabular reconstruction with Allograft and preservation of the femoral head in Pediatric Patients with Bone Sarcomas: Impact of the resection type Giulia Puccetti (Bologna, IT)
11.50	ID 105 - Evaluating center of rotation, anteversion and inclination shifts after periacetabular tumor resection and reconstruction with the LUMiC prosthesis Julia F. Van der Geest (Leiden, NL)
11.55	ID 145 - Is 'closing the ring' better in pelvic reconstruction following excision of pelvic tumors: Systematic Review Christopher Stubbe (Melbourne, AS)
12.00	ID 220 - Acetabular reconstruction following pathologic fracture Marisa Ulrich (Rochester, USA)
12.05 12.15	Discussion
12.15	ID 250 - High complication rate and poor prognosis of radiation-associated bone sarcomas in the Pelvis: A single center retrospective study Koichi Okajima (Birmingham, UK)
12.20	ID 267 - Outcome of sarcoma of pelvis in children Jose Ignacio Albergo (Buenos Aires, AR)
12.25	ID 270 - Periacetabular Resections for Primary and Secondary Bone Tumors is there still a role for Massive Allograft Reconstructions Roberto Scanferla (Firenze, IT)



MANTEGNA - PLENARY ROOM 1st Floor

- 12.30 **ID 352** A Prospective Study of the IlluminOss Photodynamic Nail System for Pelvic Stabilization of Impending and Actual Fractures from Metastatic Bone Disease, Multiple Myeloma, and Primary Bone Lymphoma **Santiago Lozano-Calderon** (Boston, USA)
- 12.35 **ID 354** The impact of pelvic bone resection and reconstruction on pelvic floors', urinary tract's and colorectal's function **Edoardo Ipponi** (Pisa, IT)
- 12.40 13.00 Discussion
- 13.00 14.00 **Buffet Lunch in the Exhibit Hall**

IMPLANTAGE CAMPOCITING

13.00 14.00	UPDATE ON MEGA PROSTHESIS AND CUSTOMISED SOLUTIONS Moderators: Pietro Ruggieri (Padova, IT), Panayiotis Papagelopoulos (Athens, EL)
13.00	Introduction Pietro Ruggieri (Padova, IT)
13.05	Post-resection defects of the tibia - anatomical site dependant solutions Daniel Kotrych (Szczecin, PL)
13.15	Are we better at pelvic surgery and what's next? Lee Jeys (Birmingham, UK)
13.25	Joint sparing implants Arne Streitbuerger (Essen, DE)
13.35	Problem solved: Personalized Orthopedic Reconstruction Panayiotis Papagelopoulos (Athens, EL)
13.45 14.00	Discussion



MANTEGNA - PLENARY ROOM 1st Floor

14.00 15.30	Session 8 MEGAPROSTHETIC RECONSTRUCTIONS Moderators: Vasileios Kontogeorgakos (Athens, EL), Elisa Pala (Padova, IT)
14.00 14.10	KEYNOTE LECTURE: MEGAPROSTHETIC RECONSTRUCTIONS Jendrik Hardes (Essen, DE)
14.10	ID 16 - Evaluating PE, PEEK, and MoM locking-mechanism survival in MUTARS knee reconstructions for oncological indications: insights from the MUTARS Orthopedic Registry Europe (MORE) Richard Evenhuis (Leiden, NL)
14.15	ID 75 - Outcome of composite proximal tibia and distal femur endo prosthetic reconstruction in oncology patients Muhammad Riaz (Birmingham, UK)
14.20	ID 135 - Evaluation of Zimmer segmental Knee megaprostheses: Patient survival, Surgical Outcomes and Functional outcome Christina Enciso Holm (Copenhagen, DK)
14.25	ID 150 - A Novel Technique for Preserving the Extensor Mechanism in Patients Undergoing Proximal Tibia Tumor Resection and Prosthetic Reconstruction Buğra Han Eryilmaz (Sakarya, TR)
14.30	ID 27 - Evaluation of the Midterm Functional Results of Knee Tumor Prosthesis Replacement Surgeries Ahmed Eldesouqi (Alexandria, EG)
14.35	ID 89 - Soft Tissue Reconstruction Using Trevira Tube Following Proximal Femur Resection and Endoprosthetic Replacement Vasileios Apostolopoulos (Alexandria, EG)
14.40 14.50	Discussion
14.50	ID 229 - EMSOS Study: Total Femur Replacement: Functional Outcome, Clinical Results and Gait Analysis - Interim Results Marisa Valentini (Graz, AT)
14.55	ID 251 - Reconstruction of the proximal humerus using an inverse tumor prosthesis Anna Maria Rachbauer (Muenster, DE)



MANTEGNA - PLENARY ROOM 1st Floor

ID 329 - Functional Outcomes and Shoulder Instability in Reconstruction of 15.00 Proximal Humerus Metastases Raffaele Vitiello (Roma, IT) 15.05 **ID 331** - Cemented vs uncemented megaprostheses in proximal femur metastases: a multicentric comparative study Raffaele Vitiello (Roma, IT) ID 335 - What are the complications and reconstruction Survival of distal 15.10 femur expandable prostheses in children with primary bone tumors? César Aquiles Augusto Chacón Ortega (Bologna, IT) ID 365 - Modular reverse total shoulder arthroplasty (RTSA) after tumor 15.15 resection: results of 59 patients treated in a single center Giulia Trovarelli (Padova. IT) 15.20 Discussion 15.30 15:30 **Coffee Break in the Exhibit Hall** 16:00

16.00 PRESIDENTIAL LECTURE

16.30 Presenters: Elisa Pala (Padova, IT), Pietro Ruggieri (Padova, IT)

Tracing the Evolution of Drug Therapies for Soft Tissue Sarcoma: A Journey Through Medical Failures and Breakthroughs

Joanna Szkandera (Graz, AT)



MANTEGNA - PLENARY ROOM 1st Floor

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17.30 BIOLOGIC RECONSTRUCTION: WHEN AND HOW

Moderators: Fabrice Fiorenza (Limoges, FR), Valerae O. Lewis (Houston, USA)

- **16.30 KEYNOTE LECTURE:**
- 16.40 BIOLOGIC RECONSTRUCTION: WHEN AND HOW Luis Aponte-Tinao (Buenos Aires, AR)
- 16.40 **ID 79** Is resection and Reconstruction with allograft prosthetic composites and intramedullary lengthening nail effective in avoiding lowe limb length discrepancies in paediatric patients? A case series **Giulia Puccetti** (Bologna, IT)
- 16.45 **ID 154** Distal femur pedicle frozen autograft reconstruction for malignant bone tumors **Juan Pablo Zumárraga** (Quito, EC)
- 16.50 **ID 157** Comparison of Medial Vs. Central Vascularized Fibula Autograft Techniques In Femoral Reconstruction: A Retrospective Analysis Of Complications And Outcomes **Vanina Ramacci** (Bologna, IT)
- 16.55 **ID 170** Biologic Intercalary reconstruction after resection of a bone tumor in the lower limb, about 96 cases: what's best for children and adolescent: Allograft alone, Vascularized fibula alone, allograft and vascularized fibula or induced membrane? An Update **Eric Mascard** (Paris. FR)
- 17.00 **ID 111** Augmentation of Osteoarticular Allograft Reconstruction with Photodynamic Nail for the Management of Primary or Recurrent Aggressive Giant Cell Tumor in the Distal Radius **Santiago Lozano-Calderon** (Boston, USA)
- 17.05 **ID 201** Does intraoperative surgical navigation improve consolidation in intercalary femur allograft reconstructions **Luis Aponte-Tinao** (Buenos Aires, AR)
- 17.10 ID 285 Outcomes of Hemicortical (Shark Bite) Resections in Extremity Sarcomas

 Muhammad Riaz (Birminaham, UK)
- 17.15 **ID 358** Proximal tibia reconstruction with osteoarticular allografts a retrospective mono institutional review over a 30-year span **Nicola Seoni** (Boloana, IT)
- 17.20 17.30 Discussion



MANTEGNA - PLENARY ROOM 1st Floor

17.30 19.00	Session 10 INFECTION AND ROLE OF ORTHOPLASTY Moderators: Walid Ebeid (Giza, EG), Cesare Tiengo (Padova, IT)
17.30 17.40	KEYNOTE LECTURE: INFECTION AND ROLE OF ORTHOPLASTY Andrea Angelini (Padova, IT)
17.40	ID 6 - Changes in Clinical Practice Following Publication of the Prophylactic Antibiotic Regimens In Tumor Surgery (PARITY) Randomized Controlled Trial Michelle Ghert (Baltimore, USA)
17.45	ID 8 - The burden of Surgical Site infections with pathogens presumably resistant to perioperative prophylaxis in orthopedic tumor surgery: Secondary analysis of the PARITY trial Michelle Ghert (Baltimore, USA)
17.50	ID 15 - The effect of prophylaxis type on periprosthetic infection in patient with reconstruction with modular endoprosthesis Mustafa Onur Karaca (Ankara, TR)
17.55	ID 61 - Comparative Effectiveness of Silver-Coated Implants in Periprosthetic Infection Prevention: A Systematic Review and Meta-Analysis Erhan Okay (Istanbul, TR)
18.00	ID 92 - Pre-biopsy Inflammatory Markers for Predicting Prosthetic Joint Infection in Patients with Osteosarcoma Ibrahim Halil Demir (Ankara, TR)
18.05	ID 141 - What Is the Diagnostic Performance and Accuracy of Serum Inflammatory Biomarkers and Synovial Fluid Analysis in Megaprosthesis Periprosthetic Joint Infections? Santiago Lozano-Calderon (Boston, USA)
18.10 18.15	Discussion
18.15	ID 214 - Postoperative infection rates in patients with osseous allograft treatment: A retrospective analysis Fabrice Scheurer (Zurich, SW)
18.20	ID 295 - Prosthetic joint infection of endoprostheses during chemotherapy Jonathan Stevenson (Birmingham, UK)
18.25	ID 326 - Wound healing disorders and deep infections after soft tissue sarcoma resection of the lower extremity

Markus Hanna (Vienna, AT)



MANTEGNA - PLENARY ROOM 1st Floor

- 18.30 **ID 340** Early outcomes of 1.5 stage revision of femoral endoprosthesis replacements for the management of infection **Jasprit Kaur** (Birmingham, UK)
- 18.35 **ID 347** Outcomes of wound healing with a topical skin adhesive after tumor Resection **Lee Zuckerman** (Los Angeles, USA)
- 18.40 **ID 348** Five-year follow-up on wound VAC temporization strategy pending final negative margin achievement in myxofibrosarcoma **Santiago Lozano-Calderon** (Boston, USA)
- 18.45 18.50 Discussion
- 18.50 **KEYNOTE LECTURE:**
- 19.00 THE PROPHYLACTIC ANTIBIOTIC REGIMENS IN TUMOR SURGERY (PARITY). INTERNATIONAL RANDOMIZED CONTROLLED TRIAL Michelle Ghert (Baltimore, USA)

End of the second day of Congress

20.30 GALA DINNER

Villa Foscarini | Via Doge Pisani, 1 | 30039 Stra (VE)



TUESDAY April 29th, 2025 GIOTTO BALCONATA – PARALLEL ROOM 3rd Floor

08.00 09.00	Session 11 NEW STRATEGIES IN BENIGN TUMORS Moderators: Ivan Bohacek (Zagreb, HR), Costantino Errani (Bologna, IT)
08.00 08.10	KEYNOTE LECTURE: NEW STRATEGIES IN BENIGN TUMORS Rob Pollock (London, UK)
08.10	ID 146 - Radiographic outcomes and recurrence rates of pediatric patients treated with calcium sulfate / calcium phosphate bone substitute for benign bone tumors Karim Masrouha (New York, USA)
08.15	ID 314 - Pexidartinib use in patients with tenosynovial giant cell tumor: an analysis of the phase 3 randomized ENLIVEN clinical trial according to surgical history Emanuela Palmerini (Bologna, IT)
08.20	ID 264 - Fixation with carbon fiber plates after curettage in benign locally aggressive bone tumors: clinical and radiographic outcomes Edoardo Ipponi (<i>Pisa, IT</i>)
08.25	ID 265 - Adjuvant cryosurgery therapy for Giant Cell Tumor of Bone around the knee – 129 GCTB treated by open curettage and adjuvant cryosurgery Ron Batash (Asckelon, IL)
08.30	ID 284 - Results of joint-preserving treatment of giant cell tumors of the bone on the proximal humerus Alexander Klein (Munich, DE)
08.35	ID 299 - The evolution of Denosumab use for GCTB in time Mylène Duivenvoorden (Amsterdam, NL)
08.40 09.00	Discussion



GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

09.00 10.30	Session 12 WHAT'S NEW IN SOFT TISSUE SARCOMAS Moderators: Maya Niethard (Regensburg, DE), Josè Casanova (Coimbra, PT)
09.00 09.10	KEYNOTE LECTURE: WHAT'S NEW IN SOFT TISSUE SARCOMAS Domenico Andrea Campanacci (Firenze, IT)
09.10	ID 9 - The Surveillance After Extremity Tumor Surgery (SAFETY) International Multi-Center Randomized Controlled Trial: Enrolment Complete Michelle Ghert (Baltimore, USA)
09.15	ID 26 - Prospective study of infiltration of sarcoma edema tail: predisposing factors and clinical relevance. Is edema tail contaminated tissue? Irene Barrientos-Ruiz (Madrid, ES)
09.20	ID 30 - Frequency in grading changes of soft tissue sarcomas upon local recurrence or distant metastasis Maria Anna Smolle (Graz, AT)
09.25	ID 37 - Clear surgical margins as a prognostic indicator for disease recurrence, with no impact on survival rates in patients with myxofibrosarcoma Michal Mahdal (Brno, CZ)
09.30	ID 56 - Comparing high-grade non-rhabdomyosarcoma soft tissue sarcoma in adult and pediatric populations Mikaela Sullivan (Rochester, USA)
09.35	ID 109 - Clinical and oncological outcome in patients with Malignant Peripheral Nerve Sheath Tumors (MPNST): A single center retrospective study loannis Trikoupis (Athens, EL)
09.40 09.50	Discussion
09.50	ID 124 - Wound complications and associated factors following surgery for soft tissue sarcomas of the thigh: Retrospective analysis of 45 cases Mustafa Onur Karaca (Ankara, TR)
09.55	ID 128 - The Relationship Between Tru-cut Biopsy Needle Size And Diagnosis Rates of Soft Tissue Sarcomas: Double-Blind Randomized Controlled Study

Ömer Faruk Naldöven (Ankara, TR)



TUESDAY April 29th, 2025

GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

10.00 **ID 245** - Controversies in the management of soft tissue sarcoma: the top recommendations from the Conference on Challenges in Sarcoma (CCS) 2024

Dimosthenis Andreou (Essen, DE)

- 10.05 **ID 254** Relationship between the distance from the tumor to major blood vessels and prognosis of deep soft tissue sarcomas **Tadashi lwai** (Osaka. IP)
- 10.10 **ID 282** Comparison of Five-Year Oncological Outcomes Between Deep and Superficial Soft Tissue Sarcomas: A Retrospective Analysis **Enes Kanav** (Istanbul, TR)
- 10.15 **ID 291** Distinct patterns of metastatic spread in leiomyosarcoma: A comparative analysis of truncal and extremity tumors **Anthony Griffin** (*Toronto, CA*)
- $\frac{10.20}{10.30}$ Discussion
- 10:30 **Coffee Break in the Exhibit Hall**
- 11.30 **Session 13**
- 13.00 SOFT TISSUE TUMORS AND INOPERABLE TUMORS: WHAT'S NEW

Moderators: **Stefano Bastoni** (Milano, IT), **Ramses Forsyth** (Brussels, BE)

- 11.30 **KEYNOTE LECTURE:**
- **11.40** SOFT TISSUE TUMORS AND INOPERABLE TUMORS: WHAT'S NEW Thomas Baad-Hansen (Aarhus, DK)
- 11.40 **ID 48** Effect on survival after implementation of Danish cancer patient pathways in deep-seated high-grade soft tissue sarcomas in the extremities and trunk wall: A retrospective observational study **Michala Skovlund Sørensen** (Copenhagen, DN)
- 11.45 **ID 57** Outcomes of pediatric non-rhabdomyosarcoma soft-tissue sarcomas of the Extremities **Mikaela Sullivan** (Rochester, USA)
- 11.50 **ID 91** Synovially-based lesions of the knee...how often are they malignant? **Charles Baird** (*Birmingham*, *UK*)



TUESDAY April 29th, 2025 GIOTTO BALCONATA – PARALLEL ROOM 3rd Floor

11.55	ID 189 - Isolated Limb Perfusion Can Deter Amputation Indication in Initially Non-Salvageable Sarcomas Jan Lesenský (<i>Praga, CZ</i>)				
12.00	ID 198 - Safety and efficacy of spot-scanning proton therapy for inoperable desmoid tumors Maciej Pelak (Salzburg, AT)				
12.05	ID 204 - Risk Factors for Postoperative Fractures After Soft-Tissue Sarcoma (STS) Resection Of The Lower Extremities Lehner Burkhard (Heidelberg, DE)				
12.10 12.20	Discussion				
12.20	ID 208 - Evaluating Outcomes for Primarily Unresectable Chondrosarcoma Hanna Liikanen (Birmingham, UK)				
12.25	ID 213 - Clear Cell Sarcoma: A Retrospective Case Series from a Single Tertiary Orthopedic Tumor Unit Natalie Green (Birmingham, UK)				
12.30	ID 216 - What are the Results of Resection of Soft Tissue Sarcoma of the Distal Lower Leg? Eiji Nakata (Okaiama, JP)				
12.35	ID 280 - Validation of the Personalized Sarcoma Care (PERSARC) Prognostic Tool in Turkish Patients with Soft Tissue Sarcomas: A Single-Center Experience Enes Kanai (Istanbul, TR)				
12.40	ID 300 - Presentation and outcomes of extraskeletal chondrosarcomas treated with surgical Resection Lee Zuckerman (Los Angeles, USA)				
12.45	ID 320 - Survival and Complication Profile in Myxoid Liposarcomas Berkay Doğan (Istanbul, TR)				
12.50 13.00	Discussion				
13.00 14.00	Buffet Lunch in the Exhibit Hall				



TUESDAY April 29th, 2025 GIOTTO BALCONATA – PARALLEL ROOM 3rd Floor

14.00 15.30	Session 14 FREE PAPERS - BIOLOGIC RECONSTRUCTIONS Moderators: Gerhard Hobusch (Vienna, AT), Merter Yalcinkaya (Istanbul, TR)			
14.00 14.10	KEYNOTE LECTURE: FREE PAPERS BIOLOGIC RECONSTRUCTIONS Eduardo Botello (Santiago, CL)			
14.10	ID 25 - Sharkbite Resection of Bone in Management Surface Bone Sarcoma: Ahmed Eldesouqi (Alexandria, EG)			
14.15	ID 31 - Use of bone transport nails for reconstruction of lower-limb diaphyseal defects in sarcoma patients: A case series Maria Anna Smolle (Graz, AT)			
14.20	ID 40 - The outcome of closed system vs open system cryo ablation, a comparative study Ahmad Shehadeh (Amman, JO)			
14.25	ID 85 - Long-term follow-up of vascularized fibular epiphyseal transfers in children following oncological resections Adyb - Adrian Khal (Oradea, RO)			
14.30	ID 138 - What Are the Long-Term Clinical and Functional Outcomes After Hemicortical Allograft Reconstruction for Primary Bone Tumors? Santiago A. Lozano-Calderon (Boston, USA)			
14.35 14.45	Discussion			
14.45	ID 248 - Reconstruction of intercalary tibia defects using FAST - Fibula-Assisted Segment Transport Anna Maria Rachbauer (Muenster, DE)			
14.50	ID 261 - Digit-sparing surgery for hand bone tumors: The results of en-bloc bone resection and replacement with osteoarticular allografts Lorenzo Andreani (Pisa, IT)			
14.55	ID 305 - Extreme biologic reconstruction with magnetic lengthening nails Lee Zuckerman (Los Angeles, USA)			
15.00	ID 306 - Aneurysmal bone cyst: A retrospective analysis of patients treated at Helsinki University Hospital Gilber Kask (Helsinki, FI)			



TUESDAY April 29th, 2025

GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

 $\frac{15.05}{15.30}$ Discussion

15:30 16:00 **Coffee Break in the Exhibit Hall**

16.30 **Session 15**

17.00 HOW TO WRITE A PAPER

Moderators: Andreas Mavrogenis (Athens, EL), Elisa Pala (Padova, IT)

16.30 Introduction

Elisa Pala (Padova, IT)

16.35 Technical suggestions: from a project to a paper **Andreas Mavrogenis** (Athens, EL)

16.50 17.00 Discussion

17.00 ENOVIS LECTURE

17.15 How 3D printing technologies are supporting highly complex cases management

Pietro Ruggieri (Padova, IT), Andrea Angelini (Padova, IT)

enovis.

17.30 INVITED LECTURE

18.00 Presenter: Elisa Pala (Padova, IT)

Limb salvage in bone tumor surgery: insights from a personal practice **Oleg Vvrva** (Kharkiv, UA)

18.00 BIOCOMPOSITES LECTURE

18.15 The use of carriers in treatment and prevention of infections (STIMULAN®)

Lee Jeys (Birmingham, UK)



End of the second day of Congress

20.30 GALA DINNER

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MANTEGNA - PLENARY ROOM 1st Floor

08.00 09.30					
08.00 08.10	KEYNOTE LECTURE: RECONSTRUCTIONS AND COMPLICATIONS Matthew Houdek (Rochester, USA)				
08.10	ID 35 - Telangiectatic Osteosarcoma (TOS) of the Extremity – Retrospective Review of a Single Center. Is Early Limb Salvage a Reasonable Option? Vineet Kurisunkal (Birmingham, UK)				
08.15	ID 55 - Long Term Results of Non-Invasive Expandable Prosthesis with Adul Conversion Ashley Castan (Newark, USA)				
08.20	ID 76 - Foot and Joint Preservation in Ankle Tumor Surgery: A Multicenter Retrospective Study Enes Kanay (Istanbul, TR)				
08.25	ID 130 - Functional Outcomes of Reverse Shoulder Arthroplasty and Allograft-Prosthetic Composite in Oncologic Patients Lotte Roelien van der Linden (Boston, USA)				
08.30	ID 149 - The Risk of Venous Thromboembolism (VTE) in Orthopedic Oncology Patients Extends Far Beyond the Index Operative Hospital Admission Necessitating Long-Term Surveillance Karim Masrouha (New York, USA)				
08.35	ID 169 - About 60 Guepar prostheses in osteosarcoma: what will happen after 35 years of follow-up? Eric Mascard (Paris, FR)				
08.40 08.50	Discussion				
08.50	ID 318 - Extraarticular Resection Preserving Extensor Mechanism in Primary Malignant Bone Tumors around the Knee: Surgical Technique and Complications Berkay Doğan (Istanbul, TR)				
08.55	ID 327 - Oncological Outcomes Following Treatment of Periosteal Osteosarcoma Bhim Bahadur Shreemal (Birmingham, UK)				



MANTEGNA - PLENARY ROOM 1st Floor

- 09.00 **ID 328** Impact of gluteal muscle fixation on hip dislocation in tumor patients with a modular prosthesis of the proximal femur **Markus Hanna** (*Vienna, AT*)
- 09.05 **ID 337** Acetabular wear and functional outcomes after proximal femur tumor resection

Mustafa Onur Karaca (Istanbul, TR)

- 09.10 **ID 344** Surgical outcomes of pediatric bone tumor resections after national centralization of care in the Netherlands **Lizz van der Heijden** (Leiden, NL)
- 09.15 **ID 356** What are the complications, reconstruction survival and functional outcomes of modular prosthesis and allograft-prosthesis composite for proximal femur reconstruction in adults with primary bone tumors **Ahmed Atherley O'Meally** (Bologna, IT)
- $\frac{09.20}{09.30}$ Discussion
- 09:30 **Session 17**
- 10:30 SPINAL AND SACRAL SURGERY

Moderators: Philipp Funovics (Vienna, AT), Andrea Angelini (Padova, IT)

- 09:30 **KEYNOTE LECTURE:**
- 09:40 SPINAL AND SACRAL SURGERY

F. Hornicek (Miami, FL)

09.40 **ID 67** - The Surgical Management of Gross Chordoma (≥50 mm or ≥25 cc): A Single-Center Retrospective Study

Sefa Giray Batıbay (Istanbul, TR)

- 09.45 **ID 68** Surgical Outcomes in Oncological Sacrectomy: A Detailed Analysis of Surgical Site Infections (SSI) **Sefa Giray Batıbay** (Istanbul, TR)
- 09.50 **ID 122** The placement of intraoperative epidural catheters reduces inpatient postoperative pain and opioid usage after complex oncologic spine surgery: a propensity score weighted analysis **Shalin Patel** (Houston, USA)
- 09.55 **ID 136** Investigating the Biomechanical Effects of Bone Graft Type on a Complex Spinopelvic Reconstruction: A CT-based 3D Finite Element Analysis **Ritika Menghani** (Houston, USA)



MANTEGNA - PLENARY ROOM 1st Floor

ID 137 - Less invasive resections of spinal osteoid osteomas and 10.00 osteoblastomas with intraoperative MRI Hagen Fritzsche (Dresda, DE) 10.05 **ID 147** - Impact of Unplanned 30-Day Readmission on Mortality Risk in Patients with Sacrococcygeal Chordomas: A National Cancer Database Ánalysis Karim Masrouha (New York, USA) 10.10 ID 273 - Robot-assisted one-stage combined anterior and posterior approach to sacral chordomas. A new frontier for multidisciplinary surgical treatment Lorenzo Andreani (Pisa. IT) 10.15 ID 339 - Carbon fibre-reinforced PEEK implants for vertebral body replacement of the cervical spine: Surgical, functional, and oncological outcomes **Philipp Theodor Funovics** (Vienna, AT) 10.15 Discussion 10.30 10 30 PRESIDENTIAL SESSION

11.00	INTERNATIONAL REGISTRIES: AN UPDATE		
	Moderator: Joanna Szkandera (Graz, AT)		
	Update on Sarcoma Registries Benjamin Miller (Iowa City, USA)		
	Teaching and Learning Michiel van de Sande (Leiden, NL)		
10:50	Discussion		

11:00



11.00 UNITED ORTHOPEDIC WORKSHOP

Discovery of the USTAR Ancillary Surgical Instruments

Speakers: Serge Colani, Malcolm Pearson

GALILEO ROOM - 1st Floor



MANTEGNA - PLENARY ROOM 1st Floor

<u>11.00</u> 11.30	Session 18 UPDATE IN MEDICAL TREATMENTS OF SARCOMAS Moderators: Joanna Szkandera (Graz, AT), Emanuela Palmerini (Bologna, IT)			
11.00 11.10				
<u>11.10</u> 11.20	Standards and New Developments in the Treatment of Bone Sarcoma Joanna Szkandera (<i>Graz</i> , AT)			
<u>11.20</u> 11.30				
<u>11:30</u> 12:00				
<u>12.00</u> 12.30	CAMPANACCI LECTURE Presenters: Pietro Ruggieri (Padova, IT), Andrea Angelini (Padova, IT) Sarcoma diagnosis in the "omics" era: promises and challenges Angelo Paolo Dei Tos (Padova, IT)			
12:30 13:30	EXACTECH SYMPOSIUM The active intelligence: Equinoxe total shoulder GPS navigation with humeral reconstruction prosthesis			
	EXACTECH SYMPOSIUM			
13:30	The active intelligence: Equinoxe total shoulder GPS navigation with humeral reconstruction prosthesis Welcome			
13:30 12:30	The active intelligence: Equinoxe total shoulder GPS navigation with humeral reconstruction prosthesis Welcome Pietro Ruggieri (Padova, IT) Indications and navigation planning for HRP			
12:30 12:35 12:50	The active intelligence: Equinoxe total shoulder GPS navigation with humeral reconstruction prosthesis Welcome Pietro Ruggieri (Padova, IT) Indications and navigation planning for HRP Elisa Pala (Padova, IT) The use of Exactech HRP after tumor resection:			
12:30 12:35 12:50	The active intelligence: Equinoxe total shoulder GPS navigation with humeral reconstruction prosthesis Welcome Pietro Ruggieri (Padova, IT) Indications and navigation planning for HRP Elisa Pala (Padova, IT) The use of Exactech HRP after tumor resection: advantages and results Case presentations			



MANTEGNA - PLENARY ROOM 1st Floor

14.30 Buffet Lunch in the Exhibit Hall

15.00 **Session 19**

16.00 ARTIFICIAL INTELLIGENCE AND ETHICS

Moderators: Laura Campanacci (Bologna, IT), Cirstoiu Catalin (Bucharest, RO)

15.00 **KEYNOTE LECTURE:**

15.10 ARTIFICIAL INTELLIGENCE AND ETHICS

Andreas Leithner (Graz, AT)

- 15.10 **ID 12** Challenging The Multidisciplinary Tumor Board: Can Al Match Expert Decisions In Sarcoma Care?
 - Michele Di Lonardo (Pisa,IT)
- 15.15 **ID 20** Comparative analysis of Deep Learning frameworks for automated pelvic bone tumor segmentation: clinical implications for radiotherapy and surgical applications

Tanya Fernández-Fernández (Madrid, ES)

- 15.20 **ID 142** Advancing Prognostics in Oncology: Machine Learning Models for Predicting 2-Year and 5-Year Survival Rates in Patients with Undifferentiated Pleomorphic Sarcoma **Santiago Lozano-Calderon** (Boston, USA)
- 15.25 **ID 167** Evaluation of ChatGPT and Gemini Responses to Common Patient Inquiries Regarding Bone Sarcomas According to ESMO Guidelines **Hüseyin Bilgehan Cevik** (Ankara, TR)
- 15.30 **ID 309** The use of mixed reality technology in pediatric surgery for bone and soft tissue tumors a single institution experience **Krzysztof Bronowicki** (Warsaw, PL)
- 15.35 **ID 350** Can Al Speak Bone? Evaluating the Accuracy of Responses to Common Patient Questions in Orthopedic Oncology **Abdullah Ghali** (Houston, USA)
- 15.40 **ID 351** Breaking Language Barriers: Assessing Al's Accuracy in Multilingual Responses About Bone Tumors **Youssef Khalafallah** (Houston, USA)



MANTEGNA - PLENARY ROOM 1st Floor

15.45	A multimodal AI model for prediction of the survival in sarcoma
	Anthony Bozzo (Montreal, CA)

15.50 Conclusions

16.00 **Valery O. Lewis** (Houston, USA)

16.00 CLOSING CEREMONY

16.30 E. Pala, P. Ruggieri, J. Szkandera, A. Angelini

AWARD CEREMONY

Best Papers and Best Posters

PRESENTATION OF THE 2026 EMSOS MEETING

J. Casanova

CLOSING REMARKS

E. Pala, P. Ruggieri



GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

08.00	Session 20
09.30	FREE PAPERS - BENIGN TUMORS

Moderators: **Olga Savvidou** (Athens, EL), **A.M. Bramer** (Amsterdam, NL)

- 08.00 KEYNOTE LECTURE:
- 08.10 FREE PAPERS BENIGN TUMORS
 Josè Casanova (Coimbra, PT)
- 08.10 **ID 2** Impact of Early vs. Late Surgical Intervention on Outcomes in Hand Enchondroma with Pathological Fracture **Bilgehan Çevik** (Ankara, TR)
- 08.15 **ID 14** Aneurysmal Bone Cysts (ABC): Retrospective Analysis of 258 Cases **Mustafa Onur** (*Ankara, TR*)
- 08.20 **ID 23** Clinical outcome of curettage in atypical cartilaginous tumors of the long bones **Claire Scholte** (Leiden, NL)
- 08.25 **ID 45** Brown tumor as the first symptom of primary hyperparathyroidism: diagnostic and clinical challenges in our own cases **Marta Karpik** (*Bialystok*, *PL*)
- 08.30 **ID 87** No fractures with the use of a calcium phosphate / calcium sulfate synthetic graft in lower extremity pediatric benign bone tumors of long bones without the use of hardware **Karim Masrouha** (New York, USA)
- 08.35 **ID 125** Safety and efficacy with Vimseltinib in patients with tenosynovial giant cell tumor who received no prior anti-colony-stimulating factor 1 therapy: ongoing phase 2 study **Michiel van de Sande** (Leiden, N.L.)
- 08.40 **ID 231** Hand tumors: Retrospective evaluation of 223 patients in a single center **Nevzat Dabak** (*Kastamonu, TR*)
- 08.45 **ID 258** Management and oncologic outcomes in primary osseous malignancies in the foot: a literature review and single-center experience **Floortje Verspoor** (Amsterdam, NL)
- 08.50 **ID 286** Bioactive glass is a good alternative to autograft for filling after curettage of benign or intermediate malignant bone lesions **Bourbotte-Salmon Florian** (Lyon, FR)



GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

08.55	ID 298 - Evaluation of the surgical management of the skeleton in patients with Ollier's disease and Maffucci syndrome Lee Zuckerman (Los Angeles, USA)
09.00	ID 316 - Lower Extremity Deformity Development in Hereditary Multiple Exostosis (HME) Cases Berkay Doğan (Istanbul, TR)
09.05	ID 360 - Malignant and Benign Bone and Soft Tissue Lesions of the Foot Elisa Pagliarini (Padova, IT)
09.10	ID 361 - Pigmented Villonodular Synovitis of the foot and ankle joints: combined multicenter study Alberto Crimì (Padova, IT)
09.15 09.30	Discussion
09.30 10.30	SPAGN SESSION
	Moderator: Kathrin Schuster (Wölfersheim, DE)
09:30	Welcome to Sarcoma Patient Advocacy Global World: Patient Advocates & Experts as Partners in Sarcoma Care and Research Ornella Gonzato (Udine, IT)
09:40	Focusing on the Sarcoma Diagnostic Process: Findings of the SPAGN Global Sarcoma Diagnosis Pathway Survey Verena Loidl (Munich, DE)
09:55	Focusing on Needs and Priorities of Bone Sarcoma Patients: Findings of the FOSTER Patient & Parent Group Survey Kathrin Schuster (Wölfersheim, DE)
10:05	The Bone Sarcoma Alliance: Challenges and opportunities for the Global Bone Sarcoma Community Ornella Gonzato (Udine, IT)
10:10	Patient's preferences in bone sarcoma surgery: A real-life perspective Nicole Cianci (Bologna, IT – Oxford, UK)



GIOTTO BALCONATA – PARALLEL ROOM 3rd Floor

10.30 11.30	Session 21 FUNCTIONAL RESULTS AND Q&L Moderators: Hazem Wafa (Leuven, BE), Burkhard Lehner (Heidelberg, DE)
10.30 10.40	KEYNOTE LECTURE: FUNCTIONAL RESULTS AND Q&L Eduardo Ortiz-Cruz (Madrid, ES)
10.40	ID 118 - How Do the Functional Outcomes Vary Based on Ethnicity and Sex Following Tumor Resection and Endoprosthetic Reconstruction? – A Secondary Analysis from the PARITY trial Santiago A. Lozano-Calderon (Boston, USA)
10.45	ID 247 - Gait stability long-term after a rotationplasty Gitte G.J. Krebbekx (Amsterdam, NL)
10.50	ID 249 - Return to sport following local treatment of pediatric bone tumors in the Extremities W. Peter Bekkering (Utrecht, NL)
10.55	ID 308 - Body image of adolescent and adult patients in follow-up after a pediatric bone sarcoma: impact of location and local treatment Hinke van der Hoek (Utrecht, NL)
11.00	ID 311 - Targeted Muscle Reinnervation for pain relief in Orthopedic Oncology amputees Raymond Yau (Hong Kong, TH)
11.05	ID 338 - Quality evaluation of functional outcome measurement instruments in patients with bone sarcoma of the pelvis or lower extremity: a systematic review using COSMIN Kiki J Blom (Utrecht, NL)
11.10	ID 362 - Long term outcomes of 'tibia into acetabulum' (Winkelmann Type B IIIa) Rotationplasty after total femur excision in children Ashish Gulia (Mumbai, ID)
11.15 11.30	Discussion



GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

11.00 UNITED ORTHOPEDIC WORKSHOP

Speakers: Serge Colani, Malcolm Pearson



Discovery of the USTAR Ancillary Surgical Instruments

GALILEO ROOM - 1st Floor

11:30 12:00 **Coffee Break in the Exhibit Hall**

13.30 GENERAL ASSEMBLY

14.30 MANTEGNA – PLENARY ROOM 1st Floor

 $\frac{14.30}{15.00}$ Buffet Lunch in the Exhibit Hall

15.00 **Session 22**

16.00 MANAGEMENT AFTER WHOOPS SURGERY

Moderators: Massimiliano De Paolis (Bologna, IT), Ashish Gulia (Mumbai, ID)

15.00 KEYNOTE LECTURE:

15.10 MANAGEMENT AFTER WHOOPS SURGERY

Shintaro Iwata (Tokyo, JP)

15.10 **ID 43** - Core needle biopsies in sarcoma patients: Should we always resect the biopsy tract? A survey among EMSOS members

Magdalena Gilg (Graz, AT)

15.15 **ID 131** - Inadvertent fixation of pathological fractures of the proximal femur after primary bone sarcoma

Tolgahan Cengiz (Cairo, EG)

15.20 **ID 164** - Whoops surgery and recurrent sarcoma, a case of a multidisciplinary approach of Success

Bianca Sousa Barros (Porto, PT)



GIOTTO BALCONATA - PARALLEL ROOM 3rd Floor

15.25 **ID 199** - Grade 2 central chondrosarcoma treated by intralesional curettage: observation or surgery? A multicentric retrospective study Andrea Sambri (Bologna, IT) ID 218 - Management of pathological fractures of the proximal femur 15.30 following prior inappropriate fixation Sherif Ahmed Kamel (Birmingham, UK) 15.35 **ID 230** - The Impact of Surgical Margin Distance on Local Recurrence and Survival in Patients with Soft Tissue Sarcoma **Nevzat Dabak** (Samsun, TR) **ID 239** - The prognostic impact of residual tumor mass at re-resection 15.40 following unplanned excision of soft tissue sarcomas **Teodora Todorova** (Skopie. NMK) 15.45 **ID 364** - Unplanned excision of sarcomas: What are the effects of reexcision? Frank Traub (Mainz. DE)

16.00 CLOSING CEREMONY • MANTEGNA – PLENARY ROOM 1st Floor

16.30 E. Pala, P. Ruggieri, J. Szkandera, A. Angelini

AWARD CEREMONY

Best Papers and Best Posters

PRESENTATION OF THE 2026 EMSOS MEETING

I. Casanova

Discussion

15.50

16.00

CLOSING REMARKS E. Pala, P. Ruggieri



ID 3 Comprehensive Care of a Pediatric Patient After Primary Tumor Resection with the Use of a Post-Resection Implant, Who Has Reached Adulthood Pawel Legosz, Bartosz Pachuta

Institute of Mother and Child

ID 4 Don't Repeat Our Mistakes: Complications and Management of Total Femur Replacement in Non-Oncologic Patients

Pawel legosz¹, Zofia Wrzesniak²

^{1.}Institute of Mother and Child

ID 7 Geographic Analysis of Microbiological Burden in Patients with Infected Endoprostheses: A Secondary Analysis of the PARITY Trial Michelle Ghert¹, Caleb Gottlich², Sabine Kuster¹, Tim O'Shea¹, Dominik Mert¹, Hadia Farrukh¹

¹McMaster University

ID 11 Navigating Challenges In paediatric Oncology Nursing Evidence Based Practices & Future Direction in Egypt

Tanazor Hemdan Abdelhamed¹, Prof.Dr. Hoda Zaki²

¹Faculty of Nursing Modern Unversity for Technology & Information

ID 13 Changes in age-adjusted incidence and survival of patients with bone and soft tissue sarcoma over 4 decades across Austria.

Maria Anna Smolle¹, Florian Alexander Wenzl², Joanna Szkandera³, Susanne Scheipl¹, Bernadette Liegl-Atzwanger⁴, Jasminka Igrec⁵, Andreas Leithner¹

^{1.}Department of Orthopaedics and Trauma, Medical University of Graz, Austria

ID 18 ctDNA monitoring of translocation-associated sarcomas Sophie Joch¹, Maria Anna Smolle², Karl Kashofer³, Andrea Thüringer³,

Joanna Szkandera⁴, Martin Benesch¹, Amin El-Heliebi⁵, Bernadette Liegl-Atzwanger⁶, Andreas Leithner², Markus G Seidel¹

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⁴ Diagnostic and Research Institute of Pathology, Medical University of Graz. Austria

⁵Department of Radiology, Medical University of Graz, Austria

¹ Division of Paediatric Haematology-Oncology, Department of Paediatrics and Adolescent Medicine

²Department of Orthopaedics and Trauma

^{3.}Institute of Pathology

⁴ Division of Oncology, Department of Internal Medicine

^{5.}Gottfried Schatz Research Center, European Liquid Biopsy Society (ELBS)

⁶Institute of Pathology



ID 19 Limb myoepithelial carcinoma: the importance of high suspicion and aggressive management for optimal outcomes

Tanya Fernández-Fernández¹, Carmen Begara-Bretón¹, Lydia Mediavilla-Santos¹, Francisco Alijo Serrano², Carolina Agra-Pujol², Rubén Pérez-Mañanes¹, José Antonio Calvo-Haro¹

¹.Orthopaedic Oncology, Gregorio Marañón General University Hospital ².Musculoskeletal Pathology, Gregorio Marañón General University Hospital

ID 21 Use of robotic technology in spine oncological surgery
Juan Luis Cebrián¹, García-Maroto Roberto Carlos¹, Manrique-Gamo Elena¹,
Herzog Raul¹, Blanco-Traba Inés¹, Bartrina Andrés¹

¹Musculoskeletal Oncology Surgery Unit, Traumatology an Orthopedic Surgery Department, Hospital Clínico San Carlos, Madrid, Spain

- ID 24 Multidisciplinary postoperative care in pediatric thoracic surgeries for oncological treatment: insights from the Institute of Mother and Child (IMiD)
 Katarzyna Maleszewska, Iwona Malesza, Joanna Pruban, Mariola Wujec,
 Ewa Kołacz, Anna Wyka-Wojeńska, Anna Raciborska
 Institute of Mother and Child in Warsaw. Poland
- ID 29 Results of Quality of Life After Resection of the Posterior Compartment of the Arm and Reconstruction in Patients with Tumor Pathology Cebrián-Parra Juan Luis, García-Maroto Roberto Carlos, Manrique-Gamo Elena, Herzog Raul, Iniesta-Lima Beatriz, Coderch-Carretero Jaime

 Musculoskeletal Oncology Surgery Unit, Traumatology and Orthopedic Surgery Department, Hospital Clínico San Carlos. Madrid. Spain
- ID 32 Outcomes in Oncologic Surgery and Survival Analysis in Patients Over 60 Years with Primary Bone Tumors
 Angel Antonio Gonzalez Garcia, Irene Barrientos Ruiz, Eduardo Ortiz Cruz, Manuel Peleteiro Pensado, Luis Palacios Diaz, Rodrigo Merino Rued, Jorge Sanchez Mateos

Hospital Universitario La Paz Madrid

ID 33 Functional outcomes and complications of intralesional surgery in Giant Cell Tumor Jaime Bedia, Roberto García Maroto, Jaime Bedia, Elena Manrique, Javier Buendía, Eduardo Ossuna, Pedro Lalueza, Juan Luis Cebrián Musculoeskeletal Oncology, Orthopaedics Surgery and Traumatology Department,

Hospital Clinico San Carlos, Madrid, Spain

ID 34 Solitary Infantile Myofibromatosis of the Extremities: Do Size of the Tumor and Beta- Cathenin Positivity Affect Recurrence?

Hüseyin Emre Tepedelenlioğlu¹, Mustafa Onur Karaca¹², Şefik Murat Arıkan³, Tolga Tolunay³, Güray Tezer Kutluk⁴

¹Ankara Etlik City Hospital

ID 36 Joint-Sparing, Minimally Invasive Surgical Management of Bone Metastases: A Case Series

Christian Spiegel¹, Wolfram Weschenfelder¹, Michelle Müller¹, Gunther O. Hofmann¹ ¹. University Hospital Jena

ID 39 Is antibiotics holiday really useful in two stage revision for deep periprosthetic infection in limb salvage surgery?

Ahmad Shehadeh

King Hussein cancer Center

- ID 42 Hyperthermia Combined with Traditional Treatment for Sarcoma Yoko Hagiwara, Hiroto Kamoda, Hideyuki Kinoshita, Tsukasa Yonemoto Chiba Cancer Center
- ID 44 Point-of-Care manufacturing of custom 3D implants in musculoskeletal oncologic surgery. Prospective study: clinical, functional results and cost analysis Javier Orozco Martínez¹, Tanya Fernández-Fernández², Lydia Mediavilla-Santos², José Antonio Calvo-Haro², Rubén Pérez-Mañanes³

¹.Orthopaedic Surgery and Traumatology Gregorio Marañón General University Hospital

ID 46 Hydatid cyst of the thigh simulated the tumor mass - a rare case and challenging diagnosis

Marta Karpik, Marcin Kobyliński, Rodrigo Cosme de Esteban, Jakub Szklaruk, Saddam Af Sammoudi, Marek Bielecki, Krzysztof Koryszewski

Medical University of Bialystok, Department of Ortopedic and Traumatology

² Ankara University Faculty of Medicine

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^{4.}Hacettepe University Faculty of Medicine

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³Advanced Planning and 3D Manufacturing Unit, Gregorio Marañón General University Hospital



ID 47 Evaluation of a Hollow Stem to Decrease Incidence of Bone Cement Implantation Syndrome

Jessa Fogel¹, Ugochukwu Udogwu¹, Danielle Sim², Mario Sahlani¹, Ryan Smith², Kevin Aroom³, Robert E. Fischell⁴, Vincent Ng¹

^{1.}University of Maryland, Department of Orthopedics

² University of Maryland School of Medicine

^{3.}University of Maryland

⁴ Institute for Biomedical Devices

ID 50 Stump lengthening procedure as an option to maintain function after hip exarticulation in osteosarcoma: A case report Kira Barlow, Andreas Krieg

University and Childrens Hospital Basel, Pediatric Orthopaedics

ID 51 Preclinical use of isothermal microcalorimetry to detect drug resistance in osteosarcoma in patient derived 3D osteosarcoma culture: exemplified on doxorubicin

Kira Barlow¹, Zihe Huo², Chengxiang Li³, Stefan Holland-Cunz², Olivier Braissant⁴, Nicolas von der Weid⁵, Andreas Krieg², Stephanie Gros²

^{1.}Deparment of Pediatric Orthopedics, University Childrens Hospital Basel, Bone and Soft Tissue Sarcoma Center, University of Basel

²Department of Pediatric Surgery, Department of Clinical Research, University of Basel and University Childrens Hospital Basel

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⁴Department of Biomedical Engineering, University of Basel

^{5.}Department of Hematology-Oncology, University Childrens Hospital, Basel

ID 58 Rotationplasty as an effective limb salvage option in the adult population **Mikaela Sullivan, Alexandra Arguello, Stephen Sems, Matthew Houdek** *Mayo Clinic Department Of Orthopedic Surgery*

ID 59 Extra-skeletal soft tissue metastasis of osteosarcoma of bone **Ahmed Eldesougi**

Department of Orthopedics and Traumatology, University of Alexandria, Egypt

ID 60 Innovative Approaches to Cage Reconstructions in Orthopedic Limb Surgery: Advances and Insights with Two Cases

Halil Bulut¹, Erhan Okay², Tolga Onay³, Enes Kanay⁴, Korhan, Ozkan⁴

¹Istanbul University Cerrahpasa

²Mass General Orthopaedic Oncology, Boston, Ma, United States

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⁴ Acibadem Universitesi Tip Fakultesi, Department Of Orthopedics And Traumatology, Istanbul, Turkey



ID 63 Predictors of Malignancy in Surgically Removed Foot and Ankle Masses: A Retrospective Multi-Center Study

Halil Bulut¹, Enes Kanay², Erhan Okay³, Sefa Batibay⁴, Elmalikent⁵, Serdar Demiroz⁶, Korhan Ozkan²

¹School Of Medicine, Istanbul University Cerrahpasa, Istanbul, Turkey

² Orthopedics And Traumatology Clinic, Acıbadem Ataşehir Hospital, Istanbul, Turkey

³ Department Of Orthopaedics And Traumatology, Istanbul Medeniyet University, Istanbul, Turkey

^{4.}University Of Healt Sciences, Umraniye Education And Research Hospital Department Of Orthopeadics And Traumatology

^{5.}Mh 34764 Umraniye/Istanbul Turkey

^{6.}Kocaeli University

ID 66 Extremely Rare Musculoskeletal Tumors of the Upper Extremity: An Institutional Experience with Four Cases from A Dedicated Orthopedic Oncology Team Halil Bulut¹, Enes Kanay², Erhan Okay³, Korhan Ozkan²

¹Mount Sinai Medical Center, Miami Beach, Fl, United States

²Orthopedics And Traumatoloay Clinic, Acıbadem Atasehir Hospital, İstanbul, Türkey

³ Massachusetts General Hospital, Boston, United States

ID 70 Multimodal Management of Extra Skeletal Ewing Sarcoma: A Case Series and Clinical Insights from a Dedicated Orthopedic Oncology Team Halil Bulut¹, Enes Kanay², Erhan Okay³, Sefa, Batibay⁴, Korhan, Ozkan²

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²Orthopedics And Traumatology Clinic, Acibadem Atasehir Hospital, Istanbul, Turkey

³ Göztepe Education And Research Hospital, Department Of Orthopedics And Traumatology

⁴·University Of Health Sciences, Umraniye Education And Research Hospital, Department Of Orthopedics And Traumatology

ID 72 Inhibiting DNA-PKcs sensitizes human chondrosarcoma cells to carbon ion irradiation by inducing cell cycle arrest and disrupting telomere capping Birgit Lohberger¹, Sandra Barna², Glänzer¹, Andreas Leithner¹, Dietmar Georg²

^{1.}Department of Orthopedics and Trauma, Medical University of Graz

²Department of Radiation Oncology, Medical University of Vienna

ID 73 Crizotinib and carbon ion particle therapy: A combined approach to enhance radiosensitivity in sacral chordoma cells

Birgit Lohberger¹, Dietmar Glänzer¹, Vanessa Etschmaier¹, Slave Trajanoski², Karl Kashofer³, Andreas Leithner¹, Dietmar Georg⁴

¹Department of Orthopedics and Trauma, Medical University of Graz

²-Core Facility Computational Bioanalytics, Medical University of Graz

³ Institute of Pathology, Medical University of Graz

⁴·Department of Radiation Oncology, Medical University of Vienna



- ID 74 Accuracy of femoral reamings in intramedullary nailing of long bones Bennie Lindeque, Hannah Werner, Carson Keeter, Bennie Lindeque University of Colorado
- **ID 81** Functional results and quality of life in patients operated on for soft tissue sarcomas

Andres Bartrina¹, Cebrián Parra¹, Manrique Gamo², Bartrina-Tarrío³, Llanos Sanz², Buendia Pérez⁴, García-Maroto²

^{1.}Head of the oncologic traumatology section at the Hospital clinico san carlos

²Specialist in oncological traumatology at Hospital clinico san carlos

³.Orthopedic surgery and traumatology resident

⁴ Chief of plastic surgery service of the Hospital Clinico San Carlos

ID 86 Arthrodesis of the shoulder for a malignant bone tumor of the coracoid process. A case report.

Satoshi Okita, Soichiro Yamamoto, Nobuo Yamagami, Shuji Ito, Yuji Uchio Shimane University

ID 90 A novel technique for resection and reconstruction of intrapelvic giant chondrosarcoma: a case report

Muhammed Fatih Serttaş¹, Abdullah Erten², Ali Koç², Buğra Han Eryilmaz²

^{1.}Kocaeli City Hospital Recep

² Sakarya University Faculty of Medicine

ID 93 Inflammatory Markers Predict Malignancy in Bone Tumors
Ibrahim Halil Demir¹, Mustafa Onur Karaca², Mustafa Ozyıldıran³,
Husevin Yusuf Yildiz²

^{1.}Gaziantep City Hospital Department Of Orthopedics And Traumatology

²-Ankara University Faculty of Medicine Department Of Orthopedics And Traumatology

³ Afyon Sandikli State Hospital Department Of Orthopedics And Traumatology

ID 94 Biological Expanding Proximal femur reconstruction in children after sarcoma resection

Awad Elmalky, Ahmed Eldesougi, Mina Edward

Department of Orthopaedic Surgery and Traumatology, Alexandria University, Egypt

ID 95 Clavicle to humerus reconstruction after tumor resection with sandwich fibular on lay

Awad Elmalky, Ahmed Eldesougi, Mina Edward

Department of Orthopaedic Surgery and Traumatology, Alexandria University, Egypt

ID 97 Evaluation of Outcomes following Chondroblastoma surgical treatment Ahmed Eldesouqi, Adel Ahmed, Mohamed Aboheif, Ali Shabaan

Department of Orthopaedic Surgery and Traumatology, Alexandria University, Egypt

ID 101 Functional results after resection of primary malignant pelvic bone tumors in children and adolescents.

Bartosz Pachuta, Wojciech Jasica, Iwona Malesza, Agnieszka Szymborska, Krzysztof Bronowicki, Tomasz Walenta, Anna Raciborska

Warsaw, PL

ID 103 Long term result of reconstruction with cementless THA/BHA for proximal femoral tumors.

Jun Sugaya¹, Yoko Hagiwara², Yutaro, Munakata¹, Munehiro Naruo³, Ken Okazaki¹

^{1.}Department of Orthopaedic Surgery, Tokyo Women's Medical University

² Department of Orthopaedic Surgery, Chiba Cancer Center

³ Department of Orthopaedic Surgery, Tomei Atsugi Hospital

ID 112 Management of Pelvic Bone Ewing's Sarcoma in a 14-Year-Old: A Case Report on Diagnosis, Treatment, and Long-Term Outcomes

Wojciech Jasica, Bartosz Pachuta, Iwona Malesza, Tomasz Walenta, Krzysztof Bronowicki, Agnieszka Szymborska, Anna Raciborska

Institute of Mother and Child - Department of Oncology and Surgical Oncology for Children and Youth

ID 113 Management of Impending and/or Pathologic Fractures of the Proximal Radius in the Setting of Metastatic Bone Disease with an Intramedullary Photodynamic Nail

Santiago A. Lozano-Calderon, Megan H. Goh, Sarah E. Ballatori, Marcos R. Gonzalez $_{MGH}$

- ID 114 Aseptic loosening of distal femur endoprosthesis reconstruction Nor Faissal Yasin, Vivek Ajit Singh, Li Wen, Wong Universiti Malaya
- ID 116 What Are the Postoperative Outcomes of Total Knee Arthroplasty (TKA)
 Performed for Neoplastic Indications and How Do They Compare Against
 TKAs Performed for Osteoarthritis? A Matched Cohort Study
 Santiago A. Lozano-Calderon, Megan H. Goh, Robby S. Grewal,
 Marcos R. Gonzalez, Perry L. Lim, Andrew Girgis, Christopher M. Melnic,
 Hany S. Bedair, Santiago A. Lozano Calderon

 MGH
- ID 119 Efficacy Of Intravenous Tranexamic Acid In Reducing Blood Loss In Major Musculoskeletal Oncology Surgery

Nor Faissal Yasin, Siti Rafiah Hasan, Vivek Ajit Singh, Azura Mansor, Xiu Wen Ling Universiti Malava



ID 121 Precision biopsy in sacral lesions: The role of 3D-printed patient-specific guides Carmen Begara Bretón¹, Tanya Fernández-Fernández¹, Lourdes Prats-Peinado², Lydia Mediavilla-Santos¹, Rubén Pérez-Mañanes³, José Antonio Calvo-Haro¹

^{1.}Department of Orthopaedic Surgery and Traumatology – Musculoskeletal Oncology Division. Hospital General Universitario Gregorio Marañón

²·Orthopaedic Surgery and Traumatology, Gregorio Marañón General University Hospital ³·Advanced Planning and 3D Manufacturing Unit, Gregorio Marañón General University Hospital

ID 123 Fibrous dysplasia: Retrospective analysis of 158 cases

Mustafa Onur Karaca¹, Mustafa, Özyildiran², Yunus Şamil, Gönüldenk¹,

Kerem Başarir³, Hüseyin Yusuf Yildiz¹

¹-Ankara University Faculty of Medicine Department of Orthopedics and Traumatology ²-Sandıklı State Hospital Department of Orthopedics and Traumatology

ID 127 The Effect of Pathological Bone Fractures on Cyst Healing in Simple Bone Cysts of the Proximal Humerus Ömer Faruk Naldöven, Başak Sinem Sezgin, Nevzat Arıcan, Şahan Güven

Orthopedics and Traumatology, Ankara Bilkent City Hospital, Ankara, Turkey

ID 129 Giant cell tumor in the calcaneus

Noelia Ramayo Díaz, Plácido Ortega Jiménes, Natalia Gaspar Aparicio, María Belén Cutillas Ybarra, Lucía Segura García, Daniel Rovira Martínez, Francisco Javier Molina Martínez, Irene Hinarejos Gilabert, Raquel Navas Moral, Yordan Luigi, Martínez Espichán

Complejo Hospitalario Universitario de Albacete

ID 140 The use of a redundant aorto-iliac interposition graft for multidisciplinary resection of recurrent multifocal metastatic sex cord stromal tumor of the sacrum and pelvis

Shalin Patel¹, Shah-Jahan Dodwad², Blaz, Podgorsek², Ezra Koh², Syed Taha Zaidi², Gustavo Oderich², Valerae Lewis³, Justin Bird³

^{1.}Department of Orthopaedic Oncology - The University of Texas MD Anderson Cancer Center

²-Department of Cardiothoracic and Vascular Surgery - McGovern Medical School at the University of Texas Health Science Center

 $^{3.}$ Department of Orthopaedic Oncology - The University of Texas MD Anderson Cancer Cente ${f r}$

ID 148 Have Rates of Venous Thromboembolism (VTE) in Patients with Metastatic Femoral Lesions Undergoing Prophylactic Versus Fracture Fixation Improved in Recent Years?

Karim Masrouha, Megan R. Donnelly, Michelle Richardson, Ekenedilichukwu Nwakoby, Garrett W. Esper

NYU Lanaone Health

ID 159 Multiple thoracotomies in the treatment of osteosarcoma with lung metastases – long-term survival

Iwona Malesza, Katarzyna Bilska, Krzysztof Bronowicki, Tomasz Walenta, Dariusz Mydlak, Agnieszka Szymborska, Anna Raciborska

ID 160 PRP Therapy: A Double-Edged Sword? Unveiling Its Role in Tissue Regeneration and Cancer Progression A Case report

Cihan Ünyılmaz, Savaş Yıldırım, Meltem Ayyıldız Mercan

Trakya University Hospital

ID 163 Extra-skeletal myxoid chondrosarcoma, a case report
Bianca Sousa Barros¹, Filipa Cordeiro¹, Manuel Carrapatoso¹, Guilherme Madeira²,
Francisco Alvarez³, Vânia Oliveira¹, Pedro Cardoso¹

^{1.}ULS Santo António

^{2.}Hospital Distrital de Santarém

3.ULS Arco Ribeirinho

ID 165 Unraveling the Complexity of Pleomorphic Liposarcoma: A Case Study on Bone Metastases and Multidisciplinary Management Cihan Ünyılmaz, Savaş Yıldırım, Meltem Ayyıldız Mercan Trakya University Hospital

ID 166 Tumor cells seeding in biopsy tract after an open biopsy in two patients with chondrosarcoma – case reports

Teodora Todorova¹⁻², Magdalena Maria Gilg¹⁻³, Maria Anna Smolle¹, Bernadette Liegl-Atzwanger⁴, Jasminka Igrec⁵, Andreas Leithner¹

¹Department of Orthopedics and Trauma, Medical University of Graz

² University Clinic for Orthopedic Surgery, Skopje, R. of North Macedonia

³ Department of Orthopedics, Centre of Rheumatology - Oberammergau

⁴·Diagnostic and Research Institute of Pathology, Medical University of Graz

⁵ Division of General Radiology, Department of Radiology, Medical University of Graz

ID 172 En-bloc resection of scapular chondrosarcoma with intraoperative computer navigation

Mavčič Blaž, David, Martinčič, Igor Potparić, Aljaž, Merčun, Rok, Vojković University Medical Centre Ljubljana, Department Of Orthopaedic Surgery



ID 174 Progression of multifocal vascular neoplasm with EWSR1:NFATC2 fusion to epithelioid angiosarcoma

Blaž Mavčič¹, Emanuela Boštjančič², Andrej Zupan², Vladka Salapura³, Ana Blatnik⁴, Olga Blatnik⁴, Mojca Unk⁴, Izidor Kern⁵, Miha Švarc², Jože Pižem²

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².University of Liubliana, Faculty of Medicine

³ University Medical Centre Ljubljana, Institute of Radiology

⁴ Institute of Oncology Ljubljana

^{5.}University Clinic Golnik Cytology and Pathology Laboratory

ID 175 Lessons learned after 250 percutaneous biopsies of intra-osseous bone tumors Blaž, Mavčič¹, Adam Wahibi¹, Aljaž Merčun², Rok Vojković², David Martinčič²

^{1.}University of Ljubljana, Faculty of Medicine

² University Medical Centre Ljubljana, Department of Orthopaedic Surgery

- ID 178 Disseminated Cancer Patients Incur a Three-Times Greater Risk of Venous Thromboembolism Diagnosis Following Orthopedic Surgery Megan Rose Donnelly, Garrett W. Esper, Michelle Richardson, Ekenedilichukwu Nwakoby, Timothy B. Rapp, Nicola Fabbri, Karim Masrouha NYU Langone Health
- ID 179 Clinical And Pathological Characterization Of Secondary Chondrosarcoma In Patients With Multiple Osteochondromatosis: A Retrospective Study Laura Trullols Tarragó, Andrea Arribas Vallejo, Ana Peiro Ibañez, Pau Machado Granados, Anna Castella Pujol, Julia Serra Ruiz, Sílvia Bagué Rosell, Jaume Llauger Rosselló, Sonia Casanova Zaragoza, Isidro Gracia Alegria

Hospital De La Santa Creu I Sant Pau (Barcelona, Spain)

ID 183 Updated efficacy and safety of vimseltinib in patients (pts) with tenosynovial giant cell tumor (TGCT): 1-year follow-up from the MOTION phase 3 trial

Michiel Van de Sande

University of Leiden, NL (Leiden, NL)

ID 184 Safety, efficacy, and patient-reported outcomes with vimseltinib in patients with tenosynovial giant cell tumor who received prior anti–colony-stimulating factor 1 therapy: ongoing phase 2 study

Michiel Van de Sande

University of Leiden, NL



ID 186 Robotic Chest Wall Resection for Ewing's Sarcoma Valérie Lacroix¹, Schubert Thomas², Lengelé Benoit³

¹.Cardiovascular and thoracic surgery, Cliniques Universitaires Saint Luc, Brussels

²Orthopedic and trauma surgery, Cliniques Universitaires Saint Luc, Brussels

³ Plastic and reconstructive surgery, Cliniques Universitaires Saint Luc, Brussels

ID 188 Sciatic Nerve Schwannoma: an uncommon presentation and a surgical challenge Bianca Sousa Barros, Filipa Cordeiro, Manuel Carrapatoso, Filipa Adan e Silva, Ana Lucinda Correia, Vânia Oliveira, Pedro Cardoso

ULS Santo António

ID 190 Custom Three-Dimensional Printed Oncologic Endoprosthesis for Reconstruction of the Calcaneus: A Case Report

Jan Lesensky

Orthopaedic oncology, Charles University, Prague, Czech Republic

ID 191 Prognostic impact of mechanical and vascular effects in patients with lower limb osteosarcoma.

Anne Brouchet¹, Gomez-Mascard Anne¹, Pauline Assemat², Tristan Marty², Kensa Liman³, Tamia Ridet³, Amandine Eon³, Pascal Swider², Eric Mascard⁴, Tristan Langlais³, Jérôme Sales de Gauzy³

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³ Department of pediatric Orthopedic, trauma and plastic surgery, CHU, Toulouse

⁴ Department of orthopedic surgery, Necker Hospital, Paris

ID 193 From benign to malign: a rare case of osteosarcoma after a giant cell tumor of bone Bianca Sousa Barros, Afonso Faria, João Seixas, Filipa, Cordeiro, André Coelho, Manuel Carrapatoso, Vânia Oliveira, Pedro Cardoso

ULS Santo António

ID 194 Oncological outcomes of extremity soft tissue and bone sarcomas with or without vascular intervention

Badr Alshehri Ibrahim Alshaygy¹, Musaad Alhamzah², Fawzi Aljasser¹, Motaz Alaqeel¹, Abdulrahman Alaseem¹, Mohammed Alomran², Mohammed Alhuqbani¹, Zyad Aldosari¹, Badr Alshehri¹, Omar Aldosari¹

¹Orthopedic Surgery at King Khalid University Hospital

² Vascular Surgery at King Khalid University Hospital

ID 195 Short-Term Outcomes of Fixation Methods in Metastatic Pathological Fractures Mustafa Onur Karaca¹, Merve Dursun Savran¹, Ömer Erim Kepenekci¹, Kerem Başarir², Hüseyin Yusuf Yildiz¹

¹Ankara University Faculty of Medicine Orthopedics and Traumatology Department

².Private Practice



ID 197 Optimized Prosthetic Design, Surgical Technique, and Cosmetic Outcome in Shoulder Reconstruction with Double-Constrained Implant Following Extra-Articular Shoulder Resection: A Case Report Jan Lesensky

Orthopaedic oncology, Charles University, Prague, Czech Republic

ID 203 Targeting malignant and intermediate bone tumours with 45S5-bioactive glass **Burkhard Lehner, Losch Sarina, Fellenberg Jörg**

Orthopedic University clinic Heidelberg

ID 205 Can ChatGPT 4.0 replace tumor board decision making in the treatment of soft tissue and bone tumors?

Tobias Prasse, Walter Sebastian, Wenk Birte, Ullrich Roland, Heck Vincent, Leyendecker Jannik, Wahlers Christopher, Eysel Peer

University of Cologne, Faculty of Medicine and University Hospital Cologne, Department of Orthopedics and Trauma Surgery, Cologne, Germany

ID 209 Validation of a Preservation, Viability, and Cell Expansion Method from Cryopreserved Sarcomas in a Biobank

Jose Albergo Franicisco Principe, M Albertina Loureyro, J Ignacio Albergo, German L. Farfalli, Luis Aponte-Tinao

Hospital Italiano de Buenos Aires

ID 210 Nomogram predicting wound complications in patients with soft tissue sarcomas treated with surgery and radiotherapy

Paul-Adrien Guigue¹, Benoit Allignet², Paul Frobert³, Waisse Waissi², Marie-Pierre Sunyach², Gualter Vaz⁴, François Goui⁴

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³ Department of Plastic and Reconstructive Surgery, Centre Léon-Bérard, Lyon, France

^{4.}Orthopedic oncologic surgery department, Centre Léon Bérard, Lyon, Franc**e**

ID 215 Surgical outcomes of proximal femur pathological fractures due to aneurysmal bone cysts in the mid-to-long term

Ebubekir Eravsar, Bahattin Kerem Aydin

Selcuk University

ID 219 Scapulectomy for sarcomas: an upgrade of the dual suspension technique Michele Di Lonardo¹, Bruno Fuchs², Georg Schelling²

^{1.}Ospedale San Paolo (SV)

² Luzern Kantonsspital (CH)

ID 227 Are High Bleeding Rates During Kyphoplasty Procedures In Patients With Multiple Myeloma Associated With Lesion Activity On PET/CT?

Nevzat Dabak¹, Bedirhan Albayrak¹, Şafak Aydin Şimşek¹, Ercan Bayar², Tolgahan Cengiz, Hüseyin Sina Coşkun¹

¹Ondokuz Mayis University, Samsun, Turkey

ID 228 The Prognostic Role of Key Factors in Renal Cell Carcinoma with Bone Metastases Nevzat Dabak¹, Furkan Erdoğan¹, Abdurrahman Murat Yildirim², Tolgahan Cengiz³, Şafak Aydin Şimşek¹, Alparslan Yurtbay⁴

¹.Ondokuz Mayis University, Samsun, Turkey

ID 232 Jaffe-Campanacci Syndrome: Case Report and Review of the Literature Nevzat DABAK¹, Furkan Erdoğan¹, Ercan Bayar², Bedirhan Albayrak¹, Mustafa Karal¹, Tolgahan Cengiz³, Ismail Büyükceran¹

¹Ondokuz Mayis University, Samsun, Turkey

ID 235 Advanced Giant Cell Tumor of the Pelvis: A Case of Internal Hemipelvectomy and Megaprosthesis Reconstruction

Juan Luis Cebrian Parra¹, Elena Manrique Gamo¹, Eduardo Ossuna Juntadez², Jaime Bedia Manrique², Roberto Garcia Maroto¹, Juan Luis Cebrian Parra¹

^{1.}Specialist Physician In Orthopedic Surgery And Traumatology, Oncologic Traumatology Unit, Hospital Clínico San Carlos

ID 241 Multidisciplinary epidemiological study of musculoskeletal tumors in the albacete region (Spain)

Noelia Ramayo Díaz, Lucía Segura García, Francisco Doñate Pérez, María Belén Cutillas Ybarra, Natalia Gaspar Aparicio, Daniel Rovira Martínez, Plácido Jiménez Ortega

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^{3.} Inebolu State Hospital, Kastamonu, Turkey

²-3rd-Year Resident In Orthopedic Surgery And Traumatology, Hospital Clínico San Carlos



ID 244 Extraskeletal Ewing Sarcoma of the limbs and trunk: a retrospective, mono-centric, clinical and biological review
Roberta Laranga¹, Giuseppe Bianchi¹, Laginestra Maria Antonella²,

Roberta Laranga¹, Giuseppe Bianchi¹, Laginestra Maria Antonella², Anna Paioli³, Toni Ibrahim³, Marco Gambarotti⁴, Katia Scotlandi², Davide Maria Donati¹

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^{5.}Department of Biomedical and Neuromotor Sciences (DIBINEM), Alma Mater Studiorum University of Boloana. Boloana

ID 246 Fusocelular rhabdomyosarcoma: uncommon soft tissue sarcoma Cristina Vilanova Badosa, Pablo Martín Justé, Luis Ramos Cuesta, Leonardo Ruiz Macarrilla, Jose Antonio Hernandez Hermoso Hospital Universitari Germans Trias i Pujol, Badalona, Barcelona

ID 256 Long-term functional follow-up of pediatric extremity sarcoma patients treated with brachytherapy

Christian Kveller¹, Akmal Safwat², Michael Melchior³, Thomas, Baad-Hansen¹

¹Department of Orthopedic Surgery, Aarhus University Hospital, Aarhus, Denmark

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^{3.}Bendtsen, Department of Orthopedic Surgery, Aarhus University Hospital, Aarhus, Denmark

ID 257 Returning and learning new sports after Reconstruction of the distal tibia with a custom made endoprosthesis

Anna Maria Rachbauer, Anna Maria Rachbauer, Tymoteusz Budny, Georg Gosheger, Marieke De Vaal, Niklas Deventer

University Hospital Muenster, Department of General Orthopaedics and Tumor Orthopaedics

ID 281 Efficacy and Safety of CT-guided Radiofrequency Ablation for the Treatment of Osteoid Osteoma: A Multi-institutional Analysis

Annabel Vennik¹⁻², Floortje Verspoor¹, Santiago Lozano-Calderion², Jos Bramer¹

1.AUMC

2.MGH

ID 283 Quantity of lower muscle as a promising prognostic factor for overall survival in patients with bone and soft tissue sarcoma

Daniel Müller¹, Tadashi Iwai¹, Maria A. Smolle², Lukas Jud³, Sandro F. Fucentese³, Daniel A. Müller³

¹Osaka Metropolitan University, Japan

² University of Graz, Austria Dominik Kaiser, Balgrist University Hospital, Zürich, Switzerland

³Balgrist University Hospital, Zürich, Switzerland



ID 287 EPIDEMIOLOGY OF BONE METASTASES IN ALBACETE (SPAIN)
Lucia Segura García, Noelia Ramayo Díaz, Doñate Pérez, Maria Belén,
Cutillas Ybarra, Daniel Rovira Martínez, Natalia Gaspar Aparicio,
Plácido liménez

Physician in Traumatology and Orthopedic Surgery at the University Hospital of Albacete

ID 288 CLCN6-BRAF gene fusion spindle cell sarcoma in a paediatric patient: a case report Lena Stojec Lena, Stojec, Medical University of Graz Maria Anna, Smolle, Department of Orthopaedics and Trauma Bernadette, Liegl-Atzwanger, Diagnostic and Research

Institute of Pathology Markus, Seidel, Division of Paediatric and Adolescent Haematology/Oncology Andreas, Leithner, Department of Orthopaedics and Trauma

ID 289 The role of polypropylene meshes in orthopedic oncology: a single institution experience

Edoardo Ipponi, Fabrizia Gentili, Pietro Bongiovanni, Martina Cordoni, Elena Bechini, Paolo Domenico Parchi, Lorenzo Andreani.

University of Pisa

ID 297 Total hip arthroplasty after stem cell transplant and CAR-T cell therapy Lee Zuckerman, H. Paco Kang, J. Dominic Femino

Keck School of Medicine of the University of Southern California

ID 304 CFR-PEEK nails to treat pathological and impending fractures in humeral metastases: A single institution experience
Edoardo Ipponi, Lorenzo Andreani, Vittoria Bettarini, Elena Bechini,
Fabio Cosseddu, Francesco Rosario, Antonio D'Arienzo, Paolo Domenico Parchi
University of Pisa

ID 310 Shared decision making in primary malignant bone tumor surgery around the knee in children and young adults: protocol for a prospective study Kiki Blom¹-², Willem P Bekkering¹, Marta Fiocco¹-³-⁴, Michiel A. J. Van de Sande¹-⁵, Hendrik W. B. Schreuder¹-⁵, Lizz van der Heijden¹, Paul C Jutte⁵, Lianne M. Haveman¹, Johannes H. M. Merks¹-⁶, Jos A. M. Bramer¹-७

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⁶ Division of Imaging and Oncology, University Medical Centre Utrecht, Utrecht University

^{7.}Amsterdam Movement Sciences, Musculoskeletal Health, Amsterdam

^{8.}Cancer Center Amsterdam, Amsterdam University Medical Centers, Amsterdam



ID 312 Intralesional fat and fatty regression on MRI as sign of benign behavior of low-grade central cartilaginous lesions in the long bones Olav Donker¹, Jacky W. J. de Rooy², Verena J.J.M. Festen-Schrier², Desiree Koopmanschap², Gerjon Hannink², Mathias Prokop², H.W. Bart Schreuder², Edwin F. Dierselhuis¹, Claudia Deckers¹, Ingrid C.M. Van der Geest¹

^{1.}Department of orthopedic oncology Radboud UMC

².Department of medical imaging, Radboud UMC

ID 319 Wound site complications and vacuum-assisted closure (vac) in thigh soft tissue sarcomas (sts)

Berkay Doğan¹, Berksu Polat¹, Avni Murat Sobayapan², Niyazi İğde², Osman Emre Aycan²

¹Metin Sabancı Baltalimanı Bone Diseases Training and Research Hospital

²Baltalimani Bone Diseases Training and Research Hospital

ID 324 Is frailty related to outcomes in soft tissue sarcomas and how can we correct it?

Michele Boffano, Pietro Pellegrino, Ugo Albertini, Chiara Beltramo,
Elena Boux, Andrea Ferro, Stefano Marone, Nicola Ratto, Martina Rezzoagli,
Raimondo Piana

Città della Salute e della Scienza di Torino

- ID 334 Bone Sarcomas Experiences and treatment strategies of a tertiary sarcoma center with a focus on factors affecting local tumor control

 Nina Myline Engel, Lars E. Podleska, Jednrik Hardes, Wiebke K. Guder,

 Markus Nottrott Dimosthenis Andreou, Arne Streitbürger, Eyke Lenkewitz

 University hospital Essen, Germany
- ID 342 Vascular Management in Winkelmann Rotationplasty
 Valérie Lacroix, Docquier Pierre-Louis, Banse Xavier, Schubert Thomas
 Cardiovascular and thoracic surgery, Cliniques Universitaires Saint Luc, Brussels, Belgi
- **ID 346** Use of the Arm as a Flap for Limb-Sparing Surgery Following Resection of a Large Axillary Sarcoma Tumor

Schubert Thomas¹, Lacroix Valerie², Lengelé Benoit

¹Orthopedic and trauma surgery, Cliniques Universitaires Saint Luc, Brussels

² Cardiovascular and thoracic surgery. Cliniques Universitaires Saint Luc. Brussels

³ Plastic and reconstructive surgery, Cliniques Universitaires Saint Luc, Brussels

ID 357 Reliability of standard staging imaging of carcinomas regarding metastatic bone disease

Wolfram Weschenfelder, Christian Spiegel, Michelle Mueller, Gunther Olaf Hofmann

University Hospital Jena

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Via N. Tommaseo 59 | 35131, Padova (Italy)

ENTRANCE

Pedestrian entrance: Car Entrance:

Via N. Tommaseo 59 Via Goldoni - GATE C

35131, Padova (Italy) (Padova Congress park is free)

Padova Railway Station is just 13 minutes walking and 5 minutes by car from the Congress Venue (mt 500)

Venice Marco Polo Airport is 30 minutes by car from the Congress Venue (Km 45) **Highway (Padova Est)** is 10 minutes by car from the Congress Venue (Km 5)

HOW TO REACH THE CONGRESS VENUE

BY TRAIN:

The train station is around 500 meters from the Congress Center: a route easily covered on foot, by bus (line 3 or line 10 or line 25) or by taxi. By train, Padua is about 2 hours from Milan, 1½ hours from Bologna and only 20 minutes from Vicenza and Venice.

For train schedules:

www.trenitalia.com www.italotreno.it

BY CAR:

For those traveling on the Milan-Venice highway (A4), Padova Congress can be reached in a few minutes by following the signs for the Fiera di Padova, either from the Padova Est exit or from the Padova Ovest exit about 5 km away. If taking the Bologna-Padova highway (A13), the exit is Padova Sud.

To find out highway toll costs and more:

www.autostrade.it

BY TAXI:

Many taxi services are available at the station – or on call – offering services 24/7.

www.taxipadova.it

BY PLANE:

The nearest airport, about 30 minutes away, is Venice Marco Polo International Airport in Tessera, which is connected to major European and non-European destinations. Treviso and Verona airports are also within easy reach.

veneziaairport.it aeroportoverona.it trevisoairport.it

BY BUS:

The city suburban bus terminal, with dozens of carriers and daily connections, is located next to the train station, less than 500 meters from Padova Congress.



REGISTRATION

ONSITE REGISTRATION DESK OPENING HOURS

Sunday April 27th, 2025 from 17.00 to 19.00 Monday April 28th, 2025 from 07.30

REGISTATION FEE

EARLY REGISTRATION		LATE REGISTRATION	
Before February 28th, 2025		After March 1 st , 2025	
Emsos Members	650€*	Emsos Members	770€*
 Non Emsos Members 	780€*	 Non Emsos Members 	950€*
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 Company Representative 	600€*	 Company Representative 	600€*

The registration fee includes access to all sessions, the opening ceremony, the exhibit, lunches as well as coffee during official breaks, certificate of attendance.

OTHER SERVICES

- WELCOME RECEPTION on April 28th, 2025 20€* Welcome reception may be purchased on a first come, first served basis – Purchasable *until* April 27th, 2025 H 10.00
- GALA DINNER on April 29th, 2025 200€*
 Gala Dinner has limited availability and may be purchased on a first come, first served basis Purchasable until April 29th, 2025 H 12.00

*10% vat included

CANCELLATION POLICY

The following cancellation fees will apply:

- before January 6th, 2025: full refund (excluding administration fee of € 50,00)
- from January 6th, 2025 to February 17th, 2025: **50% refund**
- As of February 17th, 2025 or if the participant fails to attend: no refund

Name substitutions are possible at an extra charge of € 50.00

All refunds will be processed and issued within 30 days after the meeting



REFRESHMENTS

Coffee breaks will be served in the Exhibit Hall on:

Monday April 28th, 2025 from 16.00 to 16.30

• Tuesday April 29th, 2025 from 10.30 to 11.00 and from 15.30 to 16.00

• Wednesday April 30th, 2025 from 11.30 to 12.00

• Tuesday April 30th, 2025 from 13.00 to 14.00 • Wednesday April 30th, 2025 from 14.30 to 15.00

OPENING CEREMONY

The Opening Ceremony will take place on Monday April 28th, 2025 at 18.00 in Mantegna – Plenary Room 1st Floor

CLOSING CEREMONY

The Closing Ceremony will take place on Wednesday April 30th, 2025 at 16.00 in Mantegna – Plenary Room 1st Floor

SOCIAL EVENTS

WELCOME RECEPTION

Monday April 28th, 2025 at 19:00

At the end of the first day of Congress, all the participants are invited to the welcome reception on the 3rd Floor Foyer of the Padova Congress for food and drinks.

The cost is **20€** (vat included)

Please bring with you the Welcome Reception coupon

GALA DINNER

Tuesday April 29th, 2025 at 20.30

At the end of the second day of Congress, all the participants are invited to the Gala Dinner at Villa Foscarini (Via Doge Pisani, 1, 30039 Stra VE).

The cost is **200€** (vat included)

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GALA DINNER SHUTTLE SERVICE

H 20.00 Departure from Padova Congress (Via N. Tommaseo, 59 – Padova) H 20.00 Departure from NH HOTEL Padova (Via Niccolò Tommaseo, 61 - Padova)

At the end of the dinner:

Departure from Villa Foscarini (Via Doge Pisani, 1 - 30039 Stra VE) to Padova Congress and to NH HOTEL Padova.

Car entrance: Via Nazionale, 7 - 30039 Stra (VE)



BADGES AND CERTIFICATE OF ATTENDANCE

Participants and exhibitors should collect their badge from the registration desk. Your personal badge is your entry ticket to all sessions, meeting and Exhibit Hall. Please remember to wear your badge at all times.

Certificate of attendance will be sent by e-mail the day after the congress.

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Here you can find a selection of partner hotels provided by Padova Convention & Visitors Bureau:

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Please book directly your stay in Padua for the Conference.

Refer to the code "EMSOS2025" in the email to have a discounted rate.

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At Padova Congress it will be possible to connect to the Padova Congress's wifinetwork for free

Scan the QR Code for wi -fi connection





SCIENTIFIC INFORMATION

SLIDE CENTER

You can find the slide center at the Ground Floor of the Padova Congress. We kindly ask to show up at the slide center at least two hours before your scientific contribution.

USE OF FILES IN PRESENTATIONS

Image format: recommended .gif, .jpg, .png Other types of extensions will be accepted as long as they are recognized by Power Point.

For presentations made on Macintosh platform recommended .png, .tiff and .jpg. Saving files: the files of any movies/videos, flash (not recommended), audio must be saved in the same folder of the presentation even if they are included (embedded) in the presentation itself in order to provide for the possibility of converting videos in case of codec problems.

USE OF VIDEO FILES IN PRESENTATIONS

It will only be possible to view movies created with proprietary codecs of machinesprofessional only after checking the possibility of video conversion. Recognized video codecs: For PC: MPG4; MPEG2 (DVD); DV; MPEG, DivX (3,4,5,6),XVID, Wmv and Cinepak. For MAC: PERIAN, DIVX + AC3, MplayerX, Mplayer OS X 2,VLC, Dvix AVI and MOV video files: it is good to clarify that these are not video encodings but "multimedia containers" that can contain within them various types of data. The role of this file is to synchronize video codecs, audio codecs, subtitles and menus.

USEFUL INDICATIONS FOR MODERATORS

Moderators are asked to enforce the time to individual presentations, out of respect for the work of their colleagues and to allow for a smooth running of the congress programme. The technicians are authorized to interrupt the audio in case of delays.

POSTER SESSION

A poster session area is set up in exhibit hall. The Posters will be viewable in touch screens.

AWARDS

Best Paper Award – April 30th, 2025 – Mantegna – Plenary Room 1st Floor **Best Poster Award** – April 30th, 2025 – Mantegna – Plenary Room 1st Floor





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