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EMSOS 2024 36th Annual Meeting | SZCZECIN

PROGRAMME

36th Annual Meeting of the European Musculo-Skeletal Oncology Society

> 24th EMSOS Nurse and Allied Professions Group Meeting

12-14 June, 2024 | Szczecin | Poland

www.emsos2024.pl

P. CONSTRUCTION

	June 12, Wednesday Amber Hall
08:00-09:00	Registration
08:15-08:30	Welcome address at BALTIC HALL: Daniel Kotrych and Szczecin Organizing Committee
08:30-08:50	KHARKIV LECTURE at BALTIC HALL
09:00-10:30	SESSION 1: DIAGNOSTIC GUIDELINES in MUSCULOSKELETAL ONCOLOGY CHAIRS: Andreas Leithner (Austria), Maciej Jackowiak (Poland)
09:00-09:20	KEYNOTE LECTURE: Bone Cancer in ancient Egypt. The largest series – <i>Albert Isidro Ilorens</i> Bone & Soft Tissue Unit, Department of Orthopaedics, University of Barcelona, Spain
09:20-09:27	Concordance between the initial and final histopathological diagnosis of soft tissue sarcomas in the reference center – <i>Piotr Rutkowski</i> Maria Sklodowska-Curie National Research Institute of Oncology, Department of Soft Tissue/Bone Sarcoma and Melanoma, Warsaw, Poland
09:27-09:34	Is it appropriate to perform imaging evaluation of a soft-tissue mass before referral to a specialized center? A systematic review – <i>Min Wook Joo</i> The Catholic University of Korea, South Korea
09:34–09:41	Diagnostic yield of percutaneous intra-osseous bone tumor biopsies – <i>Blaž Mavčič</i> University Medical Centre Ljubljana, Slovenia University of Ljubljana, Slovenia
09:41–09:48	Clinical application of liquid biopsy in bone and soft tissue sarcoma patients. A systematic literature review – Maria Anna Smolle Department of Orthopaedic Surgery, Balgrist University Hospital, University of Zurich, Zurich, Switzerland & Department of Orthopaedics
09:48-09:55	and Trauma, Medical University of Graz, Graz, Austria Distinguishment between atypical lipomatous tumor and dedifferentiated liposarcoma using PET/MRI – <i>Itaru Ogawa</i> Department of Orthopaedic Surgery, Fukushima Medical University School of Medicine, Fukushima, Japan
09:55-10:02	Clinical symptoms associated with malignant peripheral nerve sheath tumors: A study of 154 patients in a regional sarcoma database – <i>Terrence Soh</i> St. Mary's Hospital, Newport, UK
10:02–10:09	Fusion imaging of preoperative in-situ magnetic resonance imaging and postoperative computed tomography of the specimen to improve pretherapeutic grading of soft tissue sarcoma – <i>Madelaine Hettler</i> Department of Surgery, University Medical Center Mannheim, Medical Faculty Mannheim, Heidelberg University, Germany
10:09–10:16	Does preoperative imaging determine the necessity of tissue biopsy in lipomatous tumors? – <i>Huseyin Bilgehan Cevik</i> Department of Orthopaedics and Traumatology, Ankara Etlik City Hospital, Ankara/Turkey
10:16–10:23	Adjunct diagnostic strategies in improving diagnostic yields in image-guided biopsies – A cost-effectiveness analysis – <i>Dipak B Ramkumar</i> Lahey Clinic, Section of Orthopaedic Oncology, Department of Surgery, Burlington, MA
10:23-10:30	Quality assessments in the technical requirement and report of the magnetic resonance imaging from referring hospitals – <i>Min Wook Joo</i> The Catholic University of Korea, South Korea
10:30-11:00	Refreshments & Poster viewing
11:00-12:30	SESSION 2: CONSERVATIVE THERAPIES VS SURGERY WHEN AND WHY? CHAIRS: Oleg Vyrva (Ukraine), Minna Katariina Laitinen (Finland)
11:00-11:20	KEYNOTE LECTURE: Atypical cartilaginous tumour: an Enigma – <i>Andreas Leithner</i> Department of Orthopaedics and Trauma, Medical University of Graz, Austria
11:20–11:27	Preliminary results of the EMSOS study on grade 2 chondrosarcoma treated by intralesional curettage: follow-up vs resection – <i>Andrea Sambri</i> IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy
11:27–11:34	Should we curette chondrosarcomas? Which ones and what are the implications? An evidenced based treatment algorithm – <i>Minna Katariina Laitinen</i> Helsinki University Hospital, Helsinki, Finland
11:34–11:41	The outcome of cryosurgical ablation of bone tumor, a comparative study between open and closed systems – <i>Ahmad Shehadeh</i> King Hussein Cancer Center, Amman, Jordan
11:41–11:48	Impact of local treatment modalities and tumor characteristics on survival outcomes in Ewing Family tumors: insights from the Latin-American Ewing II study – <i>Ricardo Gehrke Becker</i> Hospital de Clínicas de Porto Alegre, Brazil

11:48–11:55	Is marginal excision following preoperative radiotherapy for extremity myxoid liposarcoma acceptable? – <i>Bhim Bahadur Shreemal</i> Royal Orthopedic Hosptial, Birmingham, United Kingdom
11:55-12:02	Surgical results in cases of osteoid osteoma: A Single-Center Retrospective Study – <i>Tolgahan Cengiz</i> Inebolu State Hospital, Clinic of Orthopedics and Traumatology, Turkey
12:02-12:09	Minimally invasive techniques as an alternative to surgery in treatment of bone tumors – <i>Paweł Sztwiertnia</i> Adam Gruca Orthopedic and Trauma Teaching Hospital CMKP, Otwock, Poland
12:09-12:16	Long term results of radiofrequency ablation treatment guided by computed tomography in osteoid osteoma patients – <i>Fatih Özel</i>
	Hacettepe University Faculty of Medicine, Ankara, Turkey
12:16-12:30	Discussion
12:30-13:30	Lunch & Poster viewing
12:30-13:30	EMSOS BOARD MEETING at GRIFFON ROOM
13:30-14:00	SZCZECIN LECTURE at BALTIC HALL
14:00-15:00	SESSION 3: MANAGEMENT AFTER MISDIAGNOSIS & INAPPROPRIATE TREATMENT CHAIRS: Emanuela Palmerini (Italy), Philipp Theodor Funovics (Austria)
14:00-14:20	KEYNOTE LECTURE: Complications of limb salvage in children and management strategies – <i>Harzem Özger</i> Department of Orthopaedics and Trauma, Medical University of Istambul, Turkey
14:20–14:27	Delay in the diagnosis of bone sarcomas – what do we currently know and does it really have such a significant impact on the overall survival of patients? – <i>Dawid Ciechanowicz</i> Department of Orthopaedics, Traumatology and Musculoskeletal Oncology, Pomeranian Medical University, Szczecin, Poland
14:27–14:34	Local relapse in patients with high-grade osteosarcoma: a European retrospective study – <i>Emanuela Palmerini</i> Osteoncology, Bone and Soft Tissue Sarcomas and Innovative Therapies, IRCCS Istituto Ortopedico Rizzoli, Bologna, Italy
11:34–11:41	Specificity of oncological management in the treatment of peripheral nervous system tumors, iatrogenic complications and secondary reconstructions – <i>Jacek Martynkiewicz</i> Orthopedic, Traumatology & Ortho-Oncologic Surgery Unit, Wojewódzki Szpital Specjalistyczny, Ośrodek Badawczo-Rozwojowy, Wrocław Centre for Brachial Plexus and Peripheral Nerve Reconstruction at Orthos Hospital Komorowice/Wrocław
14:41–14:48	A novel multidisciplinary surgical approach to peripheral nerve sheath tumors – <i>Ron Batash</i> The Israeli Orthopedic Oncology Center, Tel Aviv, Israel
14:48–14:55	Advanced non-L-sarcomas treated with trabectedin: real-life experience in a university center – <i>João Queirós Coelho</i> Centro Hospitalar Universitário de Santo António, Porto, Portugal
14:55-15:00	Discussion
15:00-15:30	Refreshments & Poster viewing
15:00-16:00	PERFORM Trial Investigator Meeting at GRIFFON ROOM
15:30-17:00	SESSION 4: INFECTION AND THE ROLE OF PLASTIC SURGERY CHAIRS: Andrea Angelini (Italy), Burkhard Lehner (Germany)
15:30-15:50	KEYNOTE LECTURE: Prognostic factors for periprosthetic joint infection in musculoskeletal oncology – <i>Philipp Theodor Funovics</i> Department of Orthopaedics, Musculoskeletal Oncology Division, Medical University of Vienna, Austria
15:50-15:57	Two stage revision for late prosthetic joint infection in megaprosthesis following bone sarcomas – <u>Andrea Sambri</u> IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy
15:57-16:04	Orthoplastic approach is crucial – <i>Elisa Pala</i> Department of Orthopedic and Orthopedic Oncology, University of Padova, Italy
16:04–16:11	Risk factors for periprosthetic infection following limb salvage surgery in bone sarcomas – <i>Diogo Nóbrega Catelas</i> Centro Hospitalar Universitário de Santo António
16:11-16:18	Periprosthetic infection of megaprostheses after limb-salvage surgery – Vasileios Karampikas 1st Department of Orthopaedic Surgery, Athens University Medical School
16:18–16:25	How to deal with EPR/megaprosthesis revision in long survival patients if the implant is out of market or the company has closed? – <i>Michele Boffano</i> Orthopaedic Oncology Department AOU Citta' della Salute e della Scienza di Torino
16:25-16:32	Identification of risk factors in the development of post-operational wound healing complication in soft tissue sarcoma patients – <i>Luisa Kriens</i> University Hospital Essen, Germany
16:32-16:39	Silver-coated prostheses in the mitigation of periprosthetic joint infection – A cost-effectiveness analysis – <i>Dipak B Ramkumar</i> Lahey Clinic Inc, Section of Orthopaedic Oncology, Division of Orthopaedic Surgery, Burlington, USA

16:39–16:46	 Exploring the interdisciplinary collaboration between resection and reconstruction in multimodal sarcoma treatment – Kamal Hummedah Department of Surgery, Sarcoma Unit, University Medical Center Mannheim, Medical Faculty Mannheim of the University of Heidelberg
16:46–16:53	Thirty-year follow-up: evaluating quality of life after rotationplasty – <i>Gitte Krebbekx</i> Department of Orthopedic Surgery and Sports Medicine, Division of Musculoskeletal Pathology and Trauma, University of Amsterdam, Amsterdam UMC, The Netherlands
16:53-17:00	Closing remarks
17:00-18:30	Welcome Reception – Teatr Polski
19:00	Faculty Dinner

	June 12, Wednesday Baltic Hall
08:00-09:00	Registration
08:15-08:30	Welcome address: Daniel Kotrych and Szczecin Organizing Committee
08:30-08:50	KHARKIV LECTURE – Bridging the gap in Ukrainian realities: combat- and tumor-related bone defects – Prof. Oleg Vyrva Sytenko Institute of Spine and Joint Pathology, Kharkiv, Ukraine
09:00-10:30	SESSION 1: ABC & GIANT CELL TUMOR of BONE (GCTB) CHAIRS: Emanuela Palmerini (Bologna), Tomasz Byrski (Szczecin)
09:00-09:20	KEYNOTE LECTURE: Denosumab in clinical practice – <i>Emanuela Palmerini</i> Osteoncology, Bone and Soft Tissue Sarcomas and Innovative Therapies, IRCCS Istituto Ortopedico Rizzoli, Bologna, Italy
09:20-09:27	Current surgical approach – <i>Bartłomiej Szostakowski</i> Maria Sklodowska-Curie National Research Institute of Oncology, Department of Surgical Oncology, Warsaw, Poland
09:27-09:34	Exploring 30 years of giant cell tumor of bone in the knee: a Brazilian perspective – <i>Ricardo Gehrke Becker</i> Hospital de Clinicas de Porto Alegre, Brazil
09:34–09:41	Diving deeper: using radiomics to predict the recurrence of giant cell tumours of the bone – <i>Amber Lamoré</i> Amsterdam UMC, Department of Radiology and Nuclear Medicine, The Netherlands
09:41–09:48	Safety and efficacy of denosumab in treatment of pulmonary metastatic giant cell tumor of bone – <u>Yi Luo</u> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
09:48-09:55	Aneurysmal bone cyst – must we operate? – <i>Ron Batash</i> Department of Orthopedics and Orthopedic Oncology, University of Padova, Padova, Italy
09:55-10:02	Recurrent giant cell tumors of the extremities: Is curettage and cementation still safe? – <i>Muhammet Coşkun Arslan</i> Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Türkiye
10:02–10:09	A biomechanical comparison between cement packing combined with extra fixation and three-dimensional printed strut-type prosthetic reconstruction for giant cell tumor of bone in the distal femur – <i>Xin Hu</i> Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China
10:09–10:16	Long-term Denosumab giant cell tumor of bone patients – <i>Mylene JC Duivenvoorden, Vineet Kurisunkal,</i> Gerjon Hannink, Micheal Parry, Lee Jeys, Floortje GM Verspoor UMC Amsterdam, The Netherlands
10:16-10:30	Discussion
10:30-11:00	Refreshments & Poster viewing
11:00-12:30	SESSION 2: PATHOLOGY HOT TOPICS IN DIAGNOSIS OF BONE & STS CHAIRS: Bernadette Liegl-Atzwanger (Austria), Eva Wardelmann (Germany)
11:00-11:20	KEYNOTE LECTURE: Precision orthopedic pathology of tumors: a multidisciplinary approach – <i>Konrad Ptaszyński</i> Associate Professor and Chairman, Department of Pathology, University of Warmia and Mazury, Olsztyn, Poland
11:20-11:30	Molecular testing for soft tissue tumors – benefits and caveats – <i>Bernadette Liegl-Atzwanger</i> Research Institute of Molecular Pathology, Medical University of Graz, Austria
11:30–11:40	Molecular testing for primary bone tumors – benefits and caveats – <i>Iva Brcic</i> Research Institute of Molecular Pathology. Medical University of Graz, Austria
11:40-11:50	Soft tissue tumors – new kids on the block – <i>Eva Wardelmann</i> Department of Pathology, University of Muenster, Germany
11:50-12:00	Bone tumors – new kids on the block – <i>Ramses Forsyth</i> Department of Pathology, University of Brussels, Belgium
12:00-12:10	Exosomal long non-coding RNA ANCR mediates drug resistance in osteosarcoma – Xin Hu Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China
12:10-12:20	A reduction in tumor volume greater than 65% can predict a good histological response to neoadjuvant chemotherapy in patients with Ewing sarcoma – <i>Ayano Aso</i> Clinica Ortopedica e Traumatologica III a prevalente indirizzo Oncologico, IRCCS Istituto Ortopedico Rizzoli, Bologna, Italy; Department of Medical and Surgical Sciences, University of Bologna, Bologna, Italy
12:20-12:30	Discussion
12:30-13:30	Lunch & Poster viewing
12:30-13:30	EMSOS BOARD MEETING at GRIFFON ROOM

13:30-14:00	SZCZECIN LECTURE – Evidence Based Medicine: sarcoma, radiotherapy – <i>Michał Falco</i>
	Professor and Chair Department of Radiotherapy West – Pomerania Oncology Center, Pomeranian Medical University of Szczecin, Poland CHAIRS: Joanna Szkandera (Austria), Benjamin Miller (USA)
14:00-15:10	SESSION 3: BONE SARCOMA DIAGNOSTIC AND TREATMENT PATTERN CHAIRS: <i>Dimosthenis Andreou</i> (Austria), <i>Lars Lindner</i> (Germany)
14:00-14:20	KEYNOTE LECTURE: Chondrosarcoma – genetic and immunological profile – <i>Piotr Rutkowski</i> Department of Bone, Soft Tissue Sarcoma and Melanoma, National Institute of Oncology, Warsaw, Poland
14:20–14:30	Should patients with osteosarcoma and Ewing sarcoma only be treated in large-volume specialized centers? – <i>Dimosthenis Andreou</i> Department of Orthopaedics. Medical University of Graz, Austria
14:30–14:40	From a patient's point of view – SPAGN: Kathleen Kane Bone Cancer Research Trust, UK
14:40–14:50	Normalizing and streamlining the use of 3-dimensional preoperative surgical planning and 3d printing in orthopaedic oncology. Where boon where bane? A collective study and analysis of 60 cases from a single institution in India – <i>Pramod Chinder</i> Department of Orthopaedic Oncology, Bangalore, India
14:50–15:00	Identification of new potential prognostic and predictive markers in high-grade osteosarcoma using whole exome sequencing – Lorenzo Andreani Department of Orthopedics and Trauma Surgery, University of Pisa
15:00-15:30	Refreshments & Poster viewing
15:00-16:00	PERFORM Trial Investigator Meeting at GRIFFON ROOM
15:30–17:00	SESSION 4: TREATMENT STRATEGIES FOR (OLIGO) METASTATIC DISEASE IN SARCOMA PATIENTS CHAIRS: Joanna Szkandera (Austria), Bartłomiej Szostakowski (Poland)
15:30-15:50	KEYNOTE LECTURE: An oncologist's perspective – <i>Lars Lindner</i> Ludwig-Maximilians-University of Munich, Germany
15:50-16:00	A surgeon's perspective – <u>Piotr Rutkowski</u> Department of Bone, Soft Tissue Sarcoma and Melanoma, National Institute of Oncology, Warsaw, Poland
16:00-16:10	A radiation oncologist´s perspective – <u>Mateusz Spałek</u> Department of Radiotherapy, National Institute of Oncology, Warsaw, Poland
16:10–16:20	Bone sialoprotein stimulates cancer cell migration in vitro – <i>Valentina Kottmann</i> Experimental Orthopaedics and Trauma Surgery Department of Orthopaedics and Traumatology Universitätsmedizin der Johannes Gutenberg – Universität Mainz, Mainz, Germany
16:20–16:30	A Multimodal Neural Network Model with gradient blending improves predictions of overall survival and risk of distant metastases in soft tissue sarcoma – <i>Anthony Bozzo</i> McGill University, Montreal, Canada
16:30-16:40	First-line trabectedin for soft tissue sarcomas in patients unfit for doxorubicin – real world data – <i>Rita Carrilho Pichel</i> Medical Oncology Department, Unidade Local de Saúde de Santo António (ULS Santo António)
16:40–16:50	Osteosarcoma immune prognostic index can indicate the nature of indeterminate pulmonary nodules and predict the metachronous metastasis in osteosarcoma patients – <i>Xuanhong He</i> Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China
16:50-17:00	Myxosarcoma lymph nodal metastasis: prognosis impact and treatment – <i>Marco Focaccia</i> Orthopedic Oncology Division, IRCCS Istituto Ortopedico Rizzoli, Bologna, Italy
17:00-18:30	Welcome Reception – Teatr Polski
19:00	Faculty Dinner

	June 12, Wednesday Pomerania Hall
08:00-09:00	Registration
08:15-08:30	Welcome address at BALTIC HALL: Daniel Kotrych and Szczecin Organizing Committee
08:30-08:50	KHARKIV LECTURE at BALTIC HALL
09:00-10:30	SESSION 1: PERIOPERATIVE CARE AND COMPLICATIONS IN MUSCULOSKELETAL ONCOLOGY CHAIRS: Laura Campanacci (Italy), Peter Bekkering (The Netherlands)
09:00-09:20	KEYNOTE LECTURE: Prepare for the worst, hope for the best – Multimodal monitoring in anaesthesiology – <i>Agata Andrzejewska</i> Department of Anaesthesiology and Intensive Care, Pomeranian Medical University, Szczecin, Poland
09:20-09:27	Perioperative strategies may influence long-term survival: a multicentric survey on patients treated for osteosarcoma – <i>Nicola Ratto</i> A.O.U. Città della Salute e della Scienza, Turin, Italy
09:27-09:34	Severe oropharyngeal mucosal injury caused by high-dose methotrexate therapy for osteosarcoma – <i>Michiyuki Hakozaki</i> Higashi-Shirakawa Orthopaedic Academy and Department of Orthopaedic Surgery, Fukushima Medical University School of Medicine, Fukushima, Japan
09:34–09:41	Raised metal-ion concentrations after tumor resections and reconstruction with megaprotheses around the knee joint – <i>Hans Roland Dürr</i> Department of Orthopaedics and Trauma Surgery, Orthopaedic Oncology, Musculoskeletal University Center Munich, Germany
09:41–09:48	The risk of venous thromboembolism (VTE) in orthopedic oncology patients extends far beyond the index operative hospital admission necessitating long-term surveillance – <i>Megan Rose Donnelly</i> NYU Langone Health, Department of Orthopedic Surgery, New York, USA
09:48-09:55	Fertility in long-term survivors of pediatric and young adults high grade osteosarcoma – <i>José M Lamo-Espinosa</i> University Clinic of Navarra, Pamplona, Spain
09:55–10:02	A nutritional metabolism related prognostic scoring system for patients with newly diagnosed osteosarcoma – Chongqi Tu Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
10:02–10:09	Assessing the prognostic role of skeletal muscle index for sarcopenia in soft tissue sarcoma – Ashish Mahendra Department of Musculoskeletal Oncology, Trauma & Orthopaedics, Glasgow, UK
10:09–10:16	Venous thromboembolism (VTE) in patients with metastatic bone disease versus malignant primary bone or soft tissue tumors – <i>Megan Rose Donnelly</i> NYU Langone Health, Department of Orthopedic Surgery, New York, USA
10:16-10:23	Venous tumoral thrombosis in osteosarcoma of the limbs – <i>Eric Mascard</i> University Hospital Necker, Paris and Institut Gustave Roussy, Villejuif, France
10:23-10:30	Massive chronic expansive haematoma: a very rare osteolytic lesion and soft tissue mass around total hip arthroplasty. A case report and review of the literature – <i>Tanya Fernández-Fernández</i> Hospital General Universitario Gregorio Marañón, Madrid, Spain
10:30-11:00	Refreshments & Poster viewing
11:00-12:30	SESSION 2: PROGNOSTIC FACTORS IN STS CHAIRS: Axel Horsch (Germany), Anna Raciborska (Poland)
11:00-11:20	KEYNOTE LECTURE: Pathologic fracture in the treatment of soft tissue sarcomas. When and why? – <i>Burkhard Lehner</i> Heidelberg University Hospital, Orthopaedic and Sarcoma Department, Germany
11:20-11:27	Soft tissue sarcoma abutting/ invading the bone, a proposed guideline for surgical management – <i>Ahmad Shehadeh</i> King Hussein Cancer Center, Amman, Jordan
11:27–11:34	Myxoid liposarcomas of the thigh: prognostic factors, oncological outcomes and functional results in a single institution experience – <i>Edoardo Ipponi</i> Department of Orthopedics and Trauma Surgery, University of Pisa, Italy
11:34–11:41	Does local recurrence of soft tissue sarcomas occur at the site with the closest primary surgical resection margin? – <i>William Beedham</i> Royal Orthopaedic Hospital, Birmingham, UK
11:41–11:48	Prognostic value of the lung immune prognostic index in soft tissue sarcoma patients treated with immunotherapy: a retrospective study – <i>Hao Wang</i> Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China

11:48–11:55	Indications and clinical outcome in patients with soft-tissue sarcoma receiving prosthetic replacement after tumor resection – <i>Nina Myline Engel</i>
	University Hospital Essen, Department of Orthopedic Oncology, Essen, Germany
11:55-12:02	Atypical lipomas of the extremity: how consistent are they radiologically and histopathologically? Is the surgical margin crucial? – <i>Osman Emre Aycan</i>
	Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Türkiye
12:02–12:09	Angiosarcoma: overall survival and prognostic factors. A long-term population based follow-up study – Christina Holm Musculoskeletal Tumor Section, Orthopaedic Surgery Rigshospitalet, University of Copenhagen, Denmark
12:09-12:16	Impact of anatomic presentation on prognosis of myxoid liposarcoma – Ilkyu Han
12100 12110	Seoul National University Hospital, South Korea
12:16-12:23	Outcomes of extremity soft tissue and bone sarcomas with or without vascular intervention – <i>Ibrahim Alshaygy</i> Orthopedic Department, College of Medicine, King Saud University
12:23-12:30	Assessing the predictive role of volumetric changes in soft tissue sarcomas of the extremities following neoadjuvant
	radiotherapy – <i>Viola Laghi</i> Radiation Oncology, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy; Department of Medical and Surgical Sciences (DIMEC), Alma Mater Studiorum University of Bologna, Bologna, Italy
12:30-13:30	Lunch & Poster viewing
12:30-13:30	EMSOS BOARD MEETING at GRIFFON ROOM
12.30-13.50	
13:30-14:00	SZCZECIN LECTURE at BALTIC HALL
14:00-15:00	SESSION 3: REHABILITATION IN MUSCULOSKELETAL ONCOLOGY CHAIRS: Lorenzo Andreani (Italy), Lauris Repsa (Latvia)
14:00-14:20	KEYNOTE LECTURE: From operation theater to physiotherapy hall – Individual rehabilitation protocols for better
	functional outcomes – <i>Lauris Repsa</i> Spine and Orthopaedic Department, Hospital of Traumatology and Orthopaedics, Riga, Latvia
14:20–14:27	Distal femur megaprostheses in orthopedic oncology: A single-institution experience with a standardized rehabilitation protocol – <i>Lorenzo Andreani</i>
14:27-14:34	Department of Orthopedics and Trauma Surgery, University of Pisa, Italy
14:27-14:34	Proximal femur reconstructions after primary bone tumor resections: analysis of failures and functional outcomes of megaprosthesis and allograft prosthesis composites – <i>Federico Sacchetti</i> Ortopedia Oncologica e Ricostruttiva CTO-Careggi, Florence, Italy
14:34–14:41	Proximal femur megaprostheses in orthopedic oncology: Evaluation of a standardized post-operative rehabilitation protocol – <i>Edoardo Ipponi</i>
	Department of Orthopedics and Trauma Surgery, University of Pisa, Italy
14:41–14:48	Explaining needs for rehabilitation in patients with bone sarcoma and a megaprosthesis: a qualitative, grounded theory study – <i>Jorinde JPM Denissen</i> Department of Rehabilitation, Radboud University Medical Center, The Netherlands
14:48-14:55	Changes in health-related quality of life following surgery in patients with high-grade extremity soft-tissue sarcoma:
	a prospective longitudinal study – Anouk A Kruiswijk
	Department of Biomedical Data Science/Orthopedics, Leiden University Medical Center, The Netherlands
15:00-15:30	Refreshments & Poster viewing
15:00-16:00	PERFORM Trial Investigator Meeting at GRIFFON ROOM
15:30-17:00	SESSION 4: LIMB SALVAGE IN CHILDREN AND ADOLESCENTS
	CHAIRS: Domenico Campanacci (Italy), Bartosz Pachuta (Poland)
15:30–15:50	KEYNOTE LECTURE: Local control of limb malignancies in the paediatric population – the art of doubts – <i>Bartłomiej Kowalczyk</i> University Children's Hospital of Kraków, Poland
15:50–15:57	Proximal femur reconstruction in young children: a critical look at vascularised fibular graft outcomes – Laura Campanacci ¹ , Tanya Fernández ²
	¹ Istituto Ortopedico Rizzoli, Bologna, Italy; ² Hospital General Universitario Gregorio Marañón, Madrid, Spain
15:57–16:04	Management of complications and secondary deformities after proximal femur replacement in skeletally immature patients – Wiebke K Guder Department of Orthopedic Oncology, University Hospital Essen, Essen, Germany
16:04-16:11	Reconstruction techniques after resection of musculoskeletal tumors in children under 5 years of age
	– Bartosz Pachuta
	Institute of Mother and Child in Warsaw Department of Oncology and Surgical Oncology for Youth and Children, Warsaw, Poland

16:11-16:18	Challenges in the management of childhood malignant chest tumors – <i>Iwona Malesza</i> Institute of Mother and Child in Warsaw Department of Oncology and Surgical Oncology for Youth and Children, Warsaw, Poland
16:18-16:25	Three-dimensional printed customized uncemented unipolar prosthesis combined with ligament reconstruction for tumorous defect of the distal femur in children – <i>Zhuangzhuang Li</i> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
16:25-16:32	Juvenile Tumour Systems: A modified Delphi study to develop best practice guidelines – <u>Rebecca</u> O'Keefe Royal National Orthopaedic Hospital, London, UK
16:32–16:39	Outcomes of non invasive expandable endoprostheses for malignant bone tumors in skeletally immature patients: Can dummy-prosthesis be a good surgical alternative? – <i>Recep Öztürk</i> University Hospital Essen, Department of Orthopedic Oncology, Essen, Germany
16:39-16:46	Systematic review of extraosseous Ewing sarcoma in pediatric patients – <i>Axel Horsch</i> Heidelberg University Hospital, Germany
16:46–16:53	Revision of expandable prostheses – Nikolaos Stavropoulos, Ioannis Trikoupis, Panagiotis Gavriil, Vasileios Karampikas, Vasileios Kontogeorgakos, Panayiotis Papagelopoulos Department of Orthopedic Surgery, Athens University Medical School, Greece
16:53-17:00	Closing remarks
17:00-18:30	Welcome Reception – Teatr Polski
19:00	Faculty Dinner

	June 13, Thursday Amber Hall
09:00-10:30	SESSION 5: SURGERY OF THE UPPER LIMB – PROXIMAL AND PERIPHERAL TUMORS
02:00-10:20	CHAIRS: Arne Streitbürger (Germany), Pietro Ruggieri (Italy)
09:00-09:20	KEYNOTE LECTURE: Modular Reverse Total Shoulder Arthroplasty (RTSA) after tumor resection: results of 54 patients treated in a single centre – <i>Giulia Trovarelli</i>
	Department of Orthopedics and Orthopedic Oncology, University of Padova, Italy
09:20-09:27	Shoulder girdle region resection for malignant bone tumors – Yu-Min Lin Taichung Veterans General Hospital, Taichung, Taiwan
09:27-09:34	Proximal humeral endoprosthetic reconstruction: results from the MUTARS Orthopedic Registry Europe Study (MORE) – <i>Richard E Evenhuis</i>
	Department of Orthopedic Surgery, Leiden University Medical Center, Leiden, The Netherlands
09:34–09:41	Salvage of the elbow using a custom-made component for complex revision of humerus prosthesis in orthopedic oncology: clinical outcome at 5 years mean follow-up – <i>Maurizio Scorianz</i> Orthopedic Oncology Unit, Azienda Ospedaliera Universitaria Careggi, Firenze, Italy
09:41-09:48	Lipomatous tumors of the hand: a review and 15 patient case series – <i>Huseyin Bilgehan Cevik</i> Department of Orthopaedics and Traumatology, Etlik City Hospital, Ankara, Turkey
09:48-09:55	Tenosinovial giant cell tumor in the hand: evaluation of recurrence risk factors in 45 cases – <i>Tolgahan Cengiz</i> Inebolu State Hospital, Clinic of Orthopedics and Traumatology, Turkey
09:55-10:02	Reconstruction of the proximal radius with 3D-printed personalized prosthesis after tumor resection – Chongqi Tu Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
10:02–10:09	A pedicled latissimus dorsi flap: an example of limb salvage following chondrosarcoma recurrence around the shoulder – <i>Jarosław Śmieszek</i> Regional Trauma Hospital in Piekary Śląskie, Poland
10:09-10:30	Discussion
10:30-11:00	Refreshments & Poster viewing
11:00-12:30	SESSION 6: SURGERY OF THE LOWER LIMB – PROXIMAL AND PERIPHERAL TUMORS CHAIRS: Richard E Evenhuis (The Netherlands), Radomir Czajka (Poland)
11:00-11:20	KEYNOTE LECTURE: Joint-sparing resection in lower limb salvage. How much to push the boundaries? – <i>Domenico Campanacci</i> University of Florence, Italy
11:20-11:27	Could a modular uncemented hollow stem that can be designed according to the remaining bone stock be a good opportunity to protect the adjacent joint? – <i>Recep Öztürk</i> University Hospital Essen, Department of Orthopedic Oncology, Essen, Germany
11:27-11:34	Subchondral bone defects after curettage and reconstruction of aggressive bone tumours: increased risk of osteoarthritis? – <i>Alexander Klein</i>
	Department of Orthopaedics and Trauma Surgery, Orthopaedic Oncology, Musculoskeletal University Center Munich (MUM), LMU University Hospital, LMU Munich, Germany
11:34–11:41	Cementless curved endoprosthesis stem for distal femoral reconstruction in a Chinese population: a combined anatomical & biomechanical study – <i>Li Min</i>
11:41-11:48	Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China Hip reconstruction using a customized intercalary prosthesis with the rhino horn-designed uncemented stem
11:41-11:48	fip reconstruction using a customized intercalary prostnesis with the mino norn-designed uncemented stem for ultrashort proximal femur segments following tumor resection: A combined biomechanical and clinical study – Xin Hu
	Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China
11:48–11:55	Survivorship, complications, and functional outcomes of uncemented distal femoral endoprosthesis with short, curved stem for patients with bone tumors – <u>Yitian Wang</u> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
11:55-12:02	Locking-mechanism failure and complications in MUTARS distal femur and proximal tibia endoprostheses: are there differences between PE, PEEK and MoM? – <i>Richard E Evenhuis</i> Department of Orthopaedic Surgery, Leiden University Medical Center, Leiden, The Netherlands
12:02-12:09	The role of patellar height in knee function after distal femur endoprosthesis – Andrea Sambri
12:09-12:16	IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy The clinical outcomes in total femur prosthesis in patients with musculoskeletal tumors – Safak Aydin Simsek Ondokuz Mayıs University, Department of Orthopaedics and Traumatology

12:16-12:30	Discussion
12:30-13:00	Lunch & Poster viewing
13:00-14:00	IMPLANTCAST LUNCH SYMPOSIUM – Technical and Surgical Update on Mega prosthesis CHAIRS: Prof. Andrzej Bohatyrewicz (Szczecin, Poland), Prof. Pietro Ruggieri (Padova, Italy)
13:00-13:05	Introduction – Prof. Andrzej Bohatyrewicz, Prof. Pietro Ruggieri
13:05-13:15	Challenges in revision of failed megaprostheses – Prof. Panayiotis Papagelopoulos Athens, Greece
13:15-13:25	Atypical solutions with custom made 3D printed prostheses (outside the pelvis) – <i>Prof. Pietro Ruggieri, Giulia Trovarelli</i> Padova, Italy
13:25-13:35	Metal lons and Megaprostheses – Are they Important? – Prof. Lee Jeys Birmingham, United Kingdom
13:35-13:45	Surgical strategies and risk of infection in Megaprosthesis – Dr. Fabrice Fiorenza Limoges, France
13:45-13:55	MORE – European MUTARS [®] registry – <i>Michiel van de Sande</i> Leiden, The Netherlands
13:55–14:00	Discussion
13:30-14:00	LUNCH SYMPOSIUM at BALTIC HALL
14:00-15:00	SESSION 7: SURGERY OF PELVIC TUMORS 1 CHAIRS: Lee Jeys (UK), Hazem Wafa (Belgium)
14:00-14:15	KEYNOTE LECTURE: Pelvic tumour resection: the Essen experience – Arne Streitbürger University Hospital Essen, Germany
14:15-14:22	Three-dimensional printing-based custom reconstructions for limb salvage in patients with bone tumors: a retrospective case series of 105 patients in two referral centers – <i>Andrea Angelini</i> Department of Orthopedics and Orthopedic Oncology, University of Padova, Padova, Italy
14:22–14:29	Combined and modified Gibson and ilioinguinal approaches in type II + III internal hemipelvectomy for periacetabular tumors – <i>Li Min</i> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
14:29–14:36	Outcomes of dedifferentiated chondrosarcoma of pelvis: a retrospective study of 8 cases – <i>Nikhil Tandon</i> Tata Memorial Hospital, Parel, Mumbai, India
14:36–14:43	Three-dimensional multimodality image reconstruction as teaching tool for case-based learning among medical postgraduates: a focus on primary pelvic bone tumour education – <u>Yitian Wang</u> Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China
14:43–14:50	3D printing for pelvic ring reconstruction – a chance or a disaster? – <i>Daniel Kotrych</i> Department of Children Orthopaedics and Musculoskeletal Oncology, Pomeranian Medical University of Szczecin, Poland
14:50-14:57	Management of the vein invasion in the pelvic osteosarcoma surgeries – <i>Ahmet Salduz, Serkan Bayram, Turgut Akgül</i> Istanbul University, Faculty of Medicine, Department of Orthopedics and Traumatology, Istanbul, Turkey
14:57–15:00	Discussion
15:00-15:30	Refreshments & Poster viewing
15:00–16:00	Extraordinary General Assembly of The Polish Orthopaedic and Traumatology Society (PTOiTr) at GRIFFON ROOM CHAIR: Prof. Andrzej Bohatyrewicz (President of PTOITr)
15:30-17:00	SESSION 8: SURGERY OF PELVIC TUMORS 2 CHAIRS: Daniel Kotrych (Poland), Rob Pollock (UK)
15:30–15:50	KEYNOTE LECTURE 1: Modern hemipelvectomy: Are we getting better? – <i>Lee Jeys</i> The Royal Orthopaedic Hospital, Birmingham, UK
15:50–16:10	KEYNOTE LECTURE 2: Pelvic and sacral tumors – treatment recommendations – <i>Davide Donati</i> Rizzoli Orthopaedic Institute, University of Bologna, Italy
16:10–16:17	Enhanced survival outcomes in pelvic chondrosarcoma surgery: Impact of research progress – <i>Minna Katariina Laitinen</i> Department of Orthopaedics. University Hospital Helsinki, Finland
16:17–16:24	Is autogenous tibia a feasible choice of pelvic reconstruction in hindquarter amputation: a retrospectively case-control study – <i>Li Min</i> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China

16:24–16:31	Concept strategy for pelvic resections in tumor patients: single institution review – Oleg Vyrva Sytenko Institute of Spine and Joint Pathology, Kharkiv, Ukraine
16:31-16:38	The clinical management and outcomes of pelvic resections in Ewing's sarcoma – Safak Aydin Simsek Ondokuz Mayıs University, Department of Orthopaedics and Traumatology
16:38-16:45	Operative treatment of aneurysmal bone cysts (ABC) in pelvis – <i>Osman Emre Aycan</i> Baltalimanı Bone Diseases Training and Research Hospital, Istanbul, Türkiye
16:45–16:52	Custom 3d printed implants for pelvic periacetabular and long bone tumors – early follow up and clinical outcome – <i>Adam Chrobok</i> Regional Trauma Hospital in Piekary Śląskie, Poland
16:52-17:00	Discussion
17:00–17:30	CAMPANACCI LECTURE – The evolution of surgery of pelvic tumors – <i>Pietro Ruggieri</i> Professor and Chair Department of Orthopedics and Orthopedic Oncology Vice-Director of Residency Program – Orthopedics and Traumatology Director of the Scientific Center for Research on Musculoskeletal Tumors "Mario Mercuri" Member of the Board of Directors University of Padova, Italy CHAIRS: <i>Fabrice Fiorenza</i> (France), <i>Douglas Letson</i> (USA)

	June 13, Thursday Baltic Hall
09:00-10:50	SESSION 5: GLOBAL SARCOMA REGISTRY INITIATIVES AND PROGNOSTIC TOOLS CHAIRS: Dario Callegaro (Italy), Joanna Szkandera (Austria), Benjamin Miller (USA)
09:00-09:20	KEYNOTE LECTURE: Musculoskeletal Tumor Registry (MsTR) in the US – <i>Benjamin Miller</i> Department of Orthopaedics, University of Iowa, Iowa, USA
09:20-09:30	EURACAN registry on sarcomas – current and future perspectives – <i>Paolo Lasalvia</i> Department of Oncology, National Cancer Institute, Milan, Italy
09:30-09:40	Implementing an impactful, federated international sarcoma registry: technology and governance – <i>Gijs Geleijnse</i> IKNL Netherlands Comprehensive Cancer Organisation, Eindhoven, Netherlands
09:40-09:50	Clinical impact of the registry results – <i>Joanna Szkandera</i> Department of Oncology, Medical University of Graz, Austria
09:50-10:00	BOOM or Bust: Is consensus worth it? – <i>Lee Jeys</i> The Royal Orthopaedic Hospital, Brimingham, UK
10:00-10:10	Update on prognostic tools in STS – <i>Dario Callegaro</i> National Cancer Institute, Milan, Italy
10:10-10:20	Results of a questionnaire by the Euro Ewing Consortium Surgical Subgroup regarding SOPs for the surgical treatment of Ewing sarcoma in different centers across Europe on behalf of the Euro Ewing Consortium Surgical Subgroup – <i>Philipp Theodor Funovics</i> Department of Orthopaedics, Medical University of Vienna, Austria
10.20-10.30	Outcome analysis in soft tissue sarcoma. Parameters associated with local recurrence, distant metastasis, and overall survival in 746 STS patients from a multicentre, multinational registry-based study – <i>Maria Anna Smolle</i> Department of Orthopaedic Surgery, Balgrist University Hospital, University of Zurich, Zurich, Switzerland & Department of Orthopaedics and Trauma, Medical University of Graz, Graz, Austria
10:30–10:40	Disseminated cancer patients incur a three-times greater risk of venous thromboembolism diagnosis following orthopedic surgery – <i>Megan Rose Donnelly</i> NYU Langone Health, Department of Orthopedic Surgery, New York, USA
10:40–10:50	Can sarcopenia represent a negative prognostic factor in localized extremities/trunk wall soft tissue sarcomas? – <i>Giovanni Grignani</i> SSD Chirurgia dei Sarcomi e Tumori Rari Viscerali, Città della Salute e della Scienza di Torino, Turin, Italy
10:50-11:00	Refreshments & Poster viewing
11:00-12:35	SESSION 6: DESMOID TUMORS CHAIRS: Silvia Stacchiotti (Italy), Andreas Leithner (Austria)
11:00–11:15	KEYNOTE LECTURE: Desmoid fibromatosis: assessment of MRI texture features correlating with radiological and/or clinical outcome – <i>Maartje C. Lourens</i> Department of Radiology & Nuclear Medicine, Amsterdam UMC, Amsterdam, The Netherlands
11:15-11:25	Is there still a role for surgery? – Andreas Leithner Department of Orthopaedics, Medical University of Graz, Austria
11:25-11:35	Update on medical treatment of desmoid tumors – <i>Silvia Stacchiotti</i> Department of Oncology, National Cancer Institute, Milan, Italy
11:35-11:45	Diagnostic standards – <i>Eva Wardelmann</i> Department of Pathology, University of Muenster, Germany
11:45-11:55	Current treatment concepts for extra-abdominal desmoid-type fibromatosis: a narrative review – Yong-Suk Lee Department of Orthopaedic Surgery, Incheon St. Mary's Hospital, College of Medicine, The Catholic University of Korea
11:55-12:05	Extraabdominal desmoid tumor; a single center retrospective observation – <i>Evrim Sirin</i> Marmara University School of Medicine Department of Orthopaedic Surgery and Traumatology, Istanbul, Turkey
12:05-12:15	Retrospective study of patients diagnosed with solitary fibrous tumor in a reference unit – <i>José Vicente Amaya Valero</i> The University and Polytechnic La Fe Hospital of Valencia, Spain
12:15-12:25	From a patient's point of view – <i>SPAGN: Kathrin Schuster</i> Sarcoma Patient Advocacy Global Network
12:25-12:30	Discussion
12:30-13:30	Lunch & Poster viewing
13:00-14:00	IMPLANTCAST LUNCH SYMPOSIUM at AMBER HALL

13:30-14:00	LUNCH SYMPOSIUM – The proximal femur resection or internal fixation for metastases (PERFORM) Multicenter Randomized Controlled Trial – Michelle Ghert
	 Witchele Ghert University of Maryland Department of Orthopaedics McMaster University, Department of Surgery, USA CHAIRS: Ajay Puri (India), Luke Johnson (Australia)
14:00-15:10	SESSION 7: UPDATE IN MEDICAL TREATMENT OF STS CHAIRS: Sebastian Bauer (Germany), Robin Jones (UK)
14:00-14:20	KEYNOTE LECTURE: Update on current studies in STS – <i>Joanna Szkandera</i> Department of Oncology. Medical University of Graz, Austria
14:20–14:30	Treatment options in ultrarare sarcomas – <i>Silvia Stacchiotti</i> Department of Oncology, National Cancer Institute, Milan, Italy
14:30–14:40	Perioperative chemotherapy plus regional hyperthermia in STS patients – <i>Lars Lindner</i> Ludwig-Maximilians-University of Munich, Germany
14:40–14:50	Systemic treatment of advanced synovial sarcoma – analysis of real-world data from a reference center – <i>Paweł Sobczuk</i> Maria Sklodowska-Curie National Research Institute of Oncology, Department of Soft Tissue/Bone Sarcoma and Melanoma, Warsaw, Poland
14:50–15:00	Alveolar soft part sarcoma: progress toward improvement in survival? A nationwide database study – Tomohiro Fujiwara Okayama University Hospital, Japan
15:00–15:10	Long-term outcomes of multiple lines of chemotherapy in epithelioid sarcoma – <i>Anna M. Czarnecka</i> Department of Soft Tissue/Bone Sarcoma and Melanoma, Maria Sklodowska-Curie National Research Institute of Oncology, Warsaw, Poland
15:10-15:30	Refreshments & Poster viewing
15:00-16:00	Extraordinary General Assembly of The Polish Orthopaedic and Traumatology Society (PTOiTr) at GRIFFON ROOM CHAIR: Prof. Andrzej Bohatyrewicz (President of PTOiTr)
15:30-16:45	SESSION 8: RADIOTHERAPY
15:30-15:45	CHAIRS: <i>Lisette Wiltink</i> (The Netherlands), <i>Beatrice Seddon</i> (UK) KEYNOTE LECTURE: Proton beam and carbon particles – <i>Beatrice Seddon</i>
	The Sarcoma Unit at University College Hospitals NHS Foundation Trust, London, UK
15:45–15:55	New approaches in radiation therapy of STS – <i>Lisette Wiltink</i> Radiation Oncology Department, Leiden University Medical Center, The Netherlands
15:55-16:05	Preoperative radiotherapy with hyperthermia in recurrent and radiation-associated sarcomas: results of a phase 2 clinical trial – <i>Mateusz Spałek</i> Maria Sklodowska-Curie National Research Institute of Oncology, Department of Radiotherapy, Warsaw, Poland
16:05-16:15	Analysis of the role of intraoperative radiation therapy in the treatment of soft-tissue sarcomas. Case-control study – <i>Carolina De la Calva Ceinos</i> The University and Polytechnic La Fe Hospital of Valencia, Spain
16:15-16:25	Soft tissue sarcoma resection after neoadjuvant radiotherapy or chemoradiotherapy – <i>Lukáš Pazourek</i> 1st Department of Orthopaedic Surgery, St. Anne's University Hospital and Faculty of Medicine, Masaryk University, Brno, Czech Republic
16:25-16:35	Results of neoadjuvant radiotherapy in high-grade soft tissue sarcomas of the extremities: insights from an italian reference centre – <i>Viola Laghi</i> Radiation Oncology, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy; Department of Medical and Surgical Sciences (DIMEC), Alma Mater Studiorum University of Bologna, Bologna, Italy
16:35–16:45	Safety and textbook outcomes of preoperative chemotherapy with hypofractionated radiotherapy in borderline resectable soft tissue sarcomas – <i>Anna M. Czarnecka</i> Department of Soft Tissue/Bone Sarcoma and Melanoma, Maria Sklodowska-Curie National Research Institute of Oncology, Warsaw, Poland
17:00-17:30	CAMPANACCI LECTURE at AMBER HALL
17:30-18:30	SESSION 9: ONCOLOGICAL BATTLES CHAIRS: Javier Martin Broto (Spain), Peter Reichardt (Germany)
17:30-18:00	Do we really need preoperative chemotherapy in STS? – <i>Peter Reichardt</i> (Berlin), <i>Robin Jones</i> (London)
18:00–18:30	Is there a future for immunotherapy in sarcoma? – Javier Martin Broto (Madrid), Hanna Kosela-Paterczyk (Warsaw)

	June 13, Thursday Pomerania Hall
09:00-10:40	SESSION 5: PRINCIPLES OF BIOLOGICAL RECONSTRUCTIONS AND SURGICAL TREATMENT OF BONE SARCOMA CHAIRS: <i>Maurizio Scorianz</i> (Italy), <i>Felix Shumelinsky</i> (Belgium)
09:00-09:20	KEYNOTE LECTURE: Biological reconstructions in bone sarcomas – <i>Miguel San Julian Aranguren</i> Universidad de Navarra, Pamplona, Spain
09:20-09:27	Case presentation – Pelvic chondrosarcoma resection with fibula graft reconstruction – <i>David Martinčič</i> University Medical Centre Ljubljana, Slovenia University of Ljubljana, Slovenia
09:27-09:34	Long-term outcomes of allograft bone tumor reconstructions: single institution historical review – <i>Oleg Vyrva</i> Sytenko Institute of Spine and Joint Pathology, Kharkiv, Ukraine
09:34–09:41	Prognostic factors and outcomes in periosteal osteosarcoma – single institute study of 31 cases – <i>Anjana Reddy</i> Tata Memorial Hospital, Mumbai, India
09:41–09:48	What factors affect outcomes in parosteal osteosarcoma (PO)? – <i>Ajay Puri</i> Tata Memorial Centre, Mumbai, India
09:48-09:55	What is the ideal surgical resection margin that gives the best outcomes in patients with parosteal osteosarcomas? – <i>Papalia Giuseppe Francesco</i> Royal Orthopaedic Hospital, Birmingham, United Kingdom
09:55–10:02	Can we quantify a safe margin to reduce local recurrence in paraosteal osteosarcomas around the distal femur? – <i>Kumaran Rasappan</i> Oncology and Complex Arthroplasty, Royal Orthopaedic Hospital, Birmingham, United Kingdom
10:02–10:09	Allograft prosthetic composite after proximal humerus tumor resection: a retrospective analysis of a single institution – <i>Francesco Muratori</i>
10:09-10:16	Azienda Ospedaliero Universitaria Careggi – Dipartimento Oncologico e di Chirurgia ad Indirizzo Robotico Is 3D-printed mesh scaffold an alternative to reconstruct cavity bone defects near joint – <i>Li Min</i> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
10:16-10:23	Use of arterial homografts for vascular reconstruction in oncological limb salvage surgery – <i>Thomas Schubert</i> Cliniques Universitaires Saint-Luc Department of Orthopedic Surgery and Traumatology, Brussels, Belgium
10:23–10:30	Surgical outcome of reconstruction with sterilised tumour bone using extra corporeal irradiation in paediatric malignant bone tumours – <i>Manu Paul</i> Regional Cancer Centre, Thiruvananthapuram, Kerala, India
10:30-10:37	Limb salvage using liquid nitrogen treated autogenous tumor bone graft in malignant bone tumors – A single institution experience of 35 cases – <i>Manish Pruthi</i> Tata Memorial Hospital, Mumbai, India
10:40-11:00	Refreshments & Poster viewing
11:00-12:30	SESSION 6: TECHNICAL AND BIOLOGICAL ASPECTS OF BONE GRAFTING CHAIRS: Fabrice Fiorenza (Italy), Pramod Chinder (India)
11:00-11:20	KEYNOTE LECTURE: The improvement of future biological reconstructions – <i>Thomas Schubert</i> Cliniques Universitaires Saint-Luc Department of Orthopedic Surgery and Traumatology, Brussels, Belgium
11:20–11:30	Modification of mechanical properties of perfusion-decellularized structural allografts – <i>Maxendre Feyens</i> ECAM Brussels Engineering School, Brussels, Belgium
11:30-11:40	Creating a living massive bone allograft: final data of our pilot study – <i>Robin Evrard</i> Cliniques Universitaires Saint-Luc, Université Catholique de Louvain, Brussels, Belgium
11:40-11:50	Long term results of radiofrequency ablation treatment guided by computed tomography in osteoid osteoma patients – <i>Fatih Özel</i> Hacettepe University Faculty of Medicine, Ankara, Türkiye
11:50-12:00	A calcium sulfate-calcium phosphate bone substitute as a bone void filler in the treatment of primary benign bone tumours – a case series – <i>Michelle Ghert</i> McMaster University, Hamilton, USA
12:00-12:10	Clinical evaluation of the three-dimensional printed strut-type prosthesis combined with autograft reconstruction for giant cell tumor of the distal femur – <i>Linyun Tan</i> Department of Orthopaedic Surgery and Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, China
12:10-12:20	Extraarticular resections: indications, prognostic factors and outcomes – <i>Levent Eralp</i> Acibadem Maslak Hospital, Department of Orthopaedics and Traumatology, Istanbul, Türkiye
12:20-12:30	Distal radius allografts after resection for tumor: survival and functional results at 10 to 24 years follow-up – Guido Scoccianti
	Orthopaedic Oncology Department, Careggi University Hospital, Firenze, Italy

12:30-13:30	Lunch & Poster viewing
13:00-14:00	IMPLANTCAST LUNCH SYMPOSIUM at AMBER HALL
13:30-14:00	LUNCH SYMPOSIUM at BALTIC HALL
14:00-15:00	SESSION 7: BIOLOGICAL SOLUTIONS IN NOVEL ONCOLOGICAL IMPLANTS CHAIRS: Thomas Schubert (Belgium), Minna Katariina Laitinen (Finland)
14:00-14:20	KEYNOTE LECTURE: Joint and physis sparing surgical techniques in the era of 3D-printing – Jendrik Hardes Essen, Germany
14:20-14:27	Joint-sparing resection of juxta-articular primary tumors of the knee using titanium alloy 3D printed cutting guides and reconstruction using custom shaped allograft – <i>Maurizio Scorianz</i> Orthopedic Oncology Unit, Azienda Ospedaliero Universitaria Careggi, Firenze, Italy
14:27–14:34	Dual-crosslinked magnetic hydrogel with programmed release of PTH promotes bone healing – Jingjunjiao Long Orthopedic Research Institute, Department of Orthopedics, West China Hospital, Sichuan University, China
14:34–14:41	All internal distraction osteogenesis after tumor resection with magnetic intramedullary nails – <i>Lee Zuckerman</i> Keck School of Medicine of the University of Southern California, USA
14:41–14:48	Reconstruction of bony defects with intercalary allografts using magnetic intramedullary nails in compression – <i>Lee Zuckerman</i> Keck School of Medicine of the University of Southern California, USA
14:48–14:55	Fabrication and characterization of a bioactive polymethylmethacrylate-based porous cement loaded with strontium/calcium apatite nanoparticles – <i>Edgard Eduard Engel</i> Department of Orthopedics and Anesthesiology, Ribeirao Preto Medical School, University of Sao Paulo, Sao Paulo, Brazil
14:55–15:02	In-house 3D printed porous implants: in-vivo study of osseointegration – Anna Bertoli Borgognoni Department of Orthopaedic Oncology, Aarhus University Hospital, Danmark
15:00-15:30	Refreshments & Poster viewing
15:00-16:00	Extraordinary General Assembly of The Polish Orthopaedic and Traumatology Society (PTOiTr) at GRIFFON ROOM CHAIR: <i>Prof. Andrzej Bohatyrewicz</i> (President of PTOiTr)
15:30-16:50	SESSION 8: THE ASSESSMENT AND THERAPY OF SPINAL TUMORS CHAIRS: Lee Zuckerman (USA), Will Aston (UK)
15:30-15:50	KEYNOTE LECTURE: Surgical treatment for spinal metastases: an update on clinical practice – Andrea Angelini Department of Orthopedics and Orthopedic Oncology, University of Padova, Padova, Italy
15:50–15:57	External validation of 9 prognostic scoring models in 526 patients with spine and extremity metastases undergoing surgery – <i>Maria Anna Smolle</i> Department of Orthopaedics and Trauma, Medical University of Graz, Graz, Austria; Department of Orthopedic Surgery, Balgrist University Hospital, University of Zurich, Zurich, Switzerland
15:57–16:04	Prone position nursing protocol for the prevention of intraoperative complications in spine surgery for oncologic and degenerative diseases – <i>Andrea Angelini</i> Department of Orthopedics and Orthopedic Oncology, University of Padova, Padova, Italy
16:04–16:11	Clinical analysis of microwave ablation combined with decompression and pedicle screw fixation in the treatment of spinal metastases – <i>Fuguo Kuang</i> Department of Orthopedics, People's Fourth Hospital of Sichuan Province, Sichuan, People's Republic of China
16:11–16:18	Preliminary efficacy analysis of decompression separation and microwave ablation for thoracolumbar metastases – Yawei Gou Second Department of Orthopaedics, the Fourth People's Hospital of Sichuan Province, Sichuan, People's Republic of China
16:18-16:25	The role of multidiscylinary cooperation in the treatment of spinal metastases – <i>Lech Grzelak</i> Department of Neurosurgery, University Specialized Hospital of Nicolaus Copernicus, Toruń, Poland
16:25-16:32	Vertebral height restoration and bleeding amount results in multiple myeloma patients who had kyphoplasty procedure – <i>Bedirhan Albayrak</i> Ondokuz Mayıs University, Department of Orthopaedics and Traumatology, Samsun, Turkey
16:32-16.39	Sacrectomy for malignant bone tumors. A single center experience – <i>loannis Trikoupis, George Kakouratos, Stavros Goumenos, Pavlos Gerasimidis, Nikolaos Stavropoulos, Vasileios Vasileios Kontogeorgakos, Panayiotis Papagelopoulos</i> Department of Orthopedic Surgery, Athens University Medical School, Greece
16:39-16:46	Spine metastases surgical treatment – indications and results – <i>Grzegorz Guzik</i> Department of Orthopaedic Oncology, Subcarpathian Oncology Center, Brzozów, Poland
16:46-16:50	Closing remarks
17:00-17:30	CAMPANACCI LECTURE at AMBER HALL

	June 14, Friday Amber Hall
08:30–10:00	SESSION 9: SURGERY IN METASTATIC BONE DISEASE CHAIRS: Panayotis Papagelopoulos (Greece), Andrea Angelini (Italy)
08:30-08:50	KEYNOTE LECTURE: Application of 3D printing in the treatment of bone tumors and metastases – <i>Mohamed Omar</i> Department of Musculoskeletal Oncology, University of Hanover, Germany
08:50-08:57	The Proximal Femur Resection or Internal Fixation for Metastases (PERFORM) multicenter randomized controlled trial – <i>Michelle Ghert</i> University of Maryland Department of Orthopaedics McMaster University Department of Surgery, USA
08:57-09:04	Solitary and oligometastatic bone metastases in renal cell carcinoma patients are associated with favourable survival modification of the OPTIModel – <i>Danique van Broekhoven</i> Department of Orthopaedic Surgery, Leiden University Medical Centre, Leiden, The Netherlands
09:04–09:11	Pilot study: Does the use of bisphosphonates in metastatic bone disease improve outcomes following orthopedic oncology surgery? – <i>Megan Rose Donnelly</i> NYU Langone Health, Department of Orthopedic Surgery, New York, USA
09:11-09:18	Which patients with bone metastasis have the best survival rate? A retrospective study on 259 patients in 5 years time – <i>Michele Boffano</i> Orthopaedic Oncology Department AOU Citta' della Salute e della Scienza di Torino, Italy
09:18-09:25	Routine oncological biomarkers provide no benefit in diagnostics of primary malignancy underlying skeletal metastasis – Sanna Matilainen Department of Orthopedics and Traumatology, Helsinki University Hospital, University of Helsinki, Helsinki, Finland
09:25-09:32	Success and reliability of combined treatment with RF ablation and cementoplasty in the management of pelvic ring malignant bone metastases – <i>Ali Okan Gazeloglu</i> Hacettepe University, Ankara, Turkey
09:32-09:39	Surgical strategies for diaphyseal bone metastases: predictive factors and outcomes – Oleg Vyrva Sytenko Institute of Spine and Joint Pathology, , Kharkiv, Ukraine
09:39-09:46	Have rates of venous thromboembolism (VTE) in patients with metastatic femoral lesions undergoing prophylactic versus fracture fixation improved in recent years? – <i>Megan Rose Donnelly</i> NYU Langone Health, Department of Orthopedic Surgery, New York, USA
09:46-09:53	Beyond expectations: exploring the interplay between synovial metastasis and infections in periprosthetic tumors – <i>César Vázquez García</i> Barcelona, Spain
09:53-10:00	Discussion
10:00-10:15	Refreshments & Poster viewing
10:15-10:45	EMSOS LECTURE at BALTIC HALL
10:45-11:30	EMSOS GENERAL ASSEMBLY at BALTIC HALL
11:30-13:00	SESSION 10: SACRAL TUMORS AND NOVEL TREATMENT METHODS IN MUSCULOSKELETAL ONCOLOGY CHAIRS: <i>Michele Boffano</i> (Italy), <i>Jendrik Hardes</i> (Germany)
11:30–11:50	KEYNOTE LECTURE: Proton and carbon ion beam radiotherapy for sacrococcygeal chordoma, the Heidelberg experience – <i>Burkhard Lehner</i> Heidelberg University Hospital, Orthopaedic and Sarcoma Department, Germany
11:50–11:57	Treatment of malignant sacral tumors with en-bloc resection and 3D-printed custom-made implants – a review of 27 patients in a single institution – <i>Jakub Pawlik</i> Department of Orthopaedics, Traumatology and Musculoskeletal Oncology, Pomeranian Medical University, Szczecin, Poland
11:57–12:04	Surgical treatment of sacroiliac tumors: clinical and functional results – <i>Panayiotis Gavriil</i> First Department of Orthopaedics, Attikon Hospital, University of Athens, Athens, Greece
12:04–12:11	What is the clinical outcome and prosthetic survival after resection and intercalary endoprosthetic reconstruction of humeral and femoral diaphyseal metastases? – <i>Frank Traub</i> Department of Orthopedics and Traumatology, University Medical Center Mainz, Mainz, Germany
12:11-12:18	Augmented reality as a navigation tool in orthopaedic oncology surgery – Andrea Sambri Orthopedic and Traumatology Unit, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy
12:18-12:25	Simple solutions for complicated problems. Our experiences with patient specific implants – <i>Zbigniew Zegota</i> Clinical Hospital MSWiA in Olsztyn, Poland

12:25-12:32	Outcome of three-dimensional-printed custom-made short stem with porous structure for fixation of massive endoprosthesis after tumor resection – <i>Minxun Lu</i> Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
12:32-12:39	Nanosilicate-reinforced GelMA-PEGDA hydrogel promotes angiogenesis for bone regeneration – <i>Jingjunjiao Long</i> Orthopedic Research Institute, Department of Orthopedics, West China Hospital, Sichuan University, Chengdu, China
12:39–12:46	Artificial intelligence-based large language model as a source of information for patients with sarcoma: evaluation of the quality of chatgpt4's answers by an expert consortium – <i>Liam Sabot</i> Jules Bordet Institute, Brussels, Belgium
12:46-12:53	Signature based on tumor essential gene pairs identifies osteosarcoma patients with different survival outcomes – Chongqi Tu Department of Orthopedics, Orthopaedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China
12:53-13:00	Discussion
13:30	CLOSING CEREMONY at BALTIC HALL

	June 14, Friday Baltic Hall
08:30-10:00	SESSION 10: SARCOMA RESEARCH CHAIRS: Anna M. Czarnecka (Poland), Beate Rinner (Austria)
08:30-08:50	KEYNOTE LECTURE: Targeting signalling pathways in sarcomas – Sebastian Bauer Sarcoma Center University of Essen, Germany
08:50-09:00	Biomarkers in sarcomas – <u>Anna M. Czarnecka</u> Department of Soft Tissue/Bone Sarcoma and Melanoma, Maria Sklodowska-Curie National Research Institute of Oncology, Warsaw, Poland
09:00-09:10	Differences between primary and metastatic clear cell sarcoma cell lines lead to tailored, improved therapy – <i>Beate Rinner</i> Research Institute of Molecular Pathology, Medical University of Graz, Austria
09:10-09:20	Sex differences in the association of alcohol consumption with the risk of soft-tissue sarcoma – <i>Min Wook Joo</i> The Catholic University of Korea, Seul, South Korea
09:20-09:30	Tumor microenvironment analysis in osteosarcoma predicts therapeutic response to chemotherapy – <i>Anne Gomez-Mascard</i> University Cancer Research Institute, Toulouse, France
09:30-09:40	Effects of β-blockers on the development of osteosarcoma metastases based on imaging techniques: an experimental study – <i>Dimitra Melissaridou</i> 1st Department of Orthopaedics, National and Kapodistrian University of Athens, Attikon University General Hospital
09:40-09:50	The surveillance after extremity tumor surgery (safety) pilot international multi-center randomized controlled trial – Michelle Ghert University of Maryland Department of Orthopaedics McMaster University Department of Surgery, USA
09:50–10:00	Risk-prediction models for clinical decision making in sarcoma care: an international questionnaire among soft-tissue sarcoma specialist – <i>Anouk A Kruiswijk</i> Leiden University Medical Center, The Netherlands
10:00-10:15	Refreshments & Poster viewing
10:15–10:45	 EMSOS LECTURE – Novel therapies for the treatment of bone and soft tissue sarcomas using genetic signatures, radiomics and immunotherapy – G. Douglas Letson Executive Vice President Physician-in-Chief Moffitt Medical Group President Moffitt Cancer Center, Tampa, USA CHAIRS: Joanna Szkandera (Austria), Tomasz Byrski (Poland), Sławomir Zacha (Poland)
10:45-11:30	EMSOS GENERAL ASSEMBLY
	Welcome address – Joanna Szkandera President of EMSOS
	Evaluation of the use of 3D printed PSI/saw guides for bone tumor resection as well as for allograft fitting in children and adults – an EMSOS study
	 a. Leading centers will be the Princess Máxima Center and LUMC b. Use of saw guides for tumor resection AND for the allograft to create a better fit and (rotational) stability, shorter operative time, possibly faster time to union and time to full WB?
	 – Lizz van der Heijden Prinses Máxima Centrum voor kinderoncologie BV, Utrecht, The Netherlands
	Reconstructive options after bone sarcoma resection in children younger than 10 years old – an EMSOS study. a. Leading center will be the Princess Máxima Center
	b. Evaluation of techniques/reconstructive options for different age ranges / in the youngest children. Novelties and outcomes?
	 c. Survey study among (pediatric) orthopedic oncologists with pediatric cases: what choices are made in which patients? Which techniques do you preferably use? 5 – Lizz van der Heijden
	Prinses Máxima Centrum voor kinderoncologie BV, Utrecht, The Netherlands
11:30–13:10	SESSION 11: TENDON SHEATH GIANT CELL TUMOR (TGCT) CHAIRS: Michiel Van de Sande (The Netherlands), Anne Gomez-Mascard (France)
11:30-13:10 11:30-11:40	

11:50-12:00	Challenges in the diagnosis of TGCT – Anne Gomez-Mascard University Cancer Research Institute, Toulouse, France
12:00-12:10	Fos alterations in osteosarcoma support the hypothesis of malignant transformation of osteoblastoma: a multicentric and longitudinal study of five cases – <i>Anne Gomez-Mascard</i> University Cancer Research Institute, Toulouse, France
12:10-12:20	From a patient´s point of view – <u>SPAGN: Nadina Hood</u> Baltimore, USA
12:20-12:30	False-positive radiological results in treatment of tenosynovial giant cell tumor – Johannes Neugebauer Organic Chemistry Institute. University of Muenster, Germany
12:30-12:40	Safety and efficacy updates from a phase 1 study of vimseltinib in patients with tenosynovial giant cell tumor – <i>Michiel van de Sande</i> Department of Orthopedic Surgery , Leiden University Medical Center, The Netherlands
	Department of Orthopedic Surgery, Leiden Oniversity Medical Center, me Nethenands
12:40–12:50	Safety, efficacy, and patient-reported outcomes with vimseltinib in patients with tenosynovial giant cell tumor who received no prior anti-colony-stimulating factor 1 therapy: ongoing phase 2 update – <i>Michiel van de Sande</i> Department of Orthopedic Surgery, Leiden University Medical Center, The Netherlands
12:50–13:00	Mid-term outcomes of surgically treated fibrous dysplasia – <i>Abdullah Serin</i> Hacettepe University Department of Orthopaedic and Traumatology, Turkey
13:30	CLOSING CEREMONY

June 14, Friday | Pomerania Hall

08:30-10:00	SESSION 9: PRINCIPLES OF TREATMENT IN FOOT AND ANKLE TUMORS CHAIRS: Harzem Özger (Turkey), Ajay Puri (India)
08:30-08:50	KEYNOTE LECTURE: Principles of management of bone and soft tissue sarcomas of the foot and ankle – <i>Hazem Wafe</i> Orthopaedic Oncology, Leuven University Hospitals, Belgium
08:50-08:57	Three-dimensional printed custom-made modular talus prosthesis in patients with talus malignant tumor resection – <i>Li Min</i>
08:57-09:04	Department of Orthopedics, Orthopedic Research Institute, West China Hospital, Sichuan University, Chengdu, People's Republic of China Is bony reconstruction necessary after excision of distal fibula tumors? – Ajay Puri
	Tata Memorial Centre, Mumbai, India
09:04–09:11	Bone and soft tissue sarcoma of hand and foot: experiences and treatment strategies of a tertiary sarcoma center from 2018 to 2023 – <i>Nina Myline Engel</i> University Hospital Essen, Department of Orthopedic Oncology, Essen, Germany
09:11-09:18	Midfoot sarcomas: reconstruction or amputation? Case series and literature review – Marisa Valentini
	Department of Orthopaedics and Trauma, Medical University of Graz, Austria
09:18–09:25	Biological reconstruction options for the calcaneal benign aggressive and malignant tumors – Osman Emre Aycan Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Türkiye
09:25-09:32	Non-vascularized fibular autograft reconstruction in tumor related metatarsal resections – Osman Emre Aycan Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Türkiye
09:32-09:39	Grade 2 chondrosarcoma of the toe, unusual location. What should be the treatment guideline? – <i>Kaan Erler</i> Cyprus International University, Cyprus
09:39-09:46	Conservative treatment of malignant or aggressive bone tumors of the distal tibia or fibula, with reconstruction by ankle arthrodesis in children and adolescents – <i>Eric Mascard</i> University Hospital Necker, Paris and Gustave Roussy Institute Villejuif, France
09:46-09:53	Limb salvage in foot and ankle tumors – <i>Harzem Özger</i> Department of Orthopaedics and Trauma, Medical University of Istambul, Turkey
09:53-10:00	Discussion
10:00-10:15	Refreshments & Poster viewing
10:15-10:45	EMSOS LECTURE at BALTIC HALL
10:45-11:30	EMSOS GENERAL ASSEMBLY at BALTIC HALL
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Poster Session

Proton and carbon ion irradiation changes the process of en-dochondral ossification in an ex-vivo femur organotypic culture model – Andreas Leithner et al. Medizinische Universität Graz, Universitätsklinik für Orthopädie und Traumatologie, Graz, Austria 02 Suppression of DNA repair mechanisms and enhancement of radiosensitivity by ATR inhibition in human chondrosarcoma cells – Birgit Lohberger et al. Medical University of Graz, Department of Orthopedics and Trauma, Graz, Austria **03** Ancient egyptian cancer far from Egypt – Albert Isidro Llorens¹, Edgar Camaros², Tatiana Tondini³ ¹ Unitat de Tumors, Hospital Universitari Sagrat Cor, Barcelona, Spain / Universitat de Barcelona; ² Department of History, Universidad de Santigo de Compostela, A Coruña, Spain; ³ Department of Archaeology, Cambridge University, UK 64 Bone cancer in Ancient Egypt. The largest series – Albert Isidro Llorens¹, Miguel C. Botella Lopez², Jesus Hererin Lopez³ ¹ Bone & Soft Tissue Unit. Orthopedic Dpt. Universitari Sagrat Cor / Universitat de Barcelona, Barcelona, Spain; ² Anthropology Dpt. Universidad de Garnada, Granada, Spain; ³ Anthropology Dpt. Universidad Autònoma de Madrid, Madrid, Spain 05 T1 mapping and reduced field-of-view DWI at 3.0 T MRI for differentiation of thyroid papillary carcinoma from nodular goiter – Yuan Letian Shandong Provincial Hospital, China 06 Bovine grafting: an effective alternative after curettage of benign bone tumors – Ricardo Gehrke Becker et al. Hospital de Clínicas de Porto Alegre, Brazil 07 The role of adherence to multidisciplinary treatment guidelines in the treatment of patients with epithelioid sarcoma Piotr Błoński^{1,2} et al. ¹ Department of Soft Tissue/Bone Sarcoma and Melanoma, Maria Sklodowska-Curie National Research Institute of Oncology (NIO-PIB), Warsaw, Poland; ² Faculty of Medicine, Medical University of Warsaw, Warsaw, Poland **08** Long-term outcomes of multiple lines of chemotherapy in epithelioid sarcoma – *Paulina Chmiel et al.* Department of Soft Tissue/Bone Sarcoma and Melanoma, Maria Sklodowska-Curie National Research Institute of Oncology, Warsaw, Poland Natural history of malignant humerus tumor – Miguel Yáñez Lallana, Albert Isidro Gracia, César Vázquez García 09 Hospital Universitari Sagrat Cor, Barcelona, Spain Phosphaturic mesenchymal tumour in the fibular head causing paraneoplastic tumour-induced osteomalacia - Christian Spiegel, 10 Wolfram Weschenfelder, Gunther Olaf Hofmann University Hospital Jena, Jena, Germany 11 The role of 18F-FDG PET-CT in sarcomas – Tessa Tibben, Tessa Fay Tibben Amsterdam UMC, Amsterdam, The Netherlands Aggressive multimodal treatment can lead to long-term survival in primary disseminated multifocal Ewing sarcoma patients 12 – Robert Piber et al. Department of Orthopedics and Trauma, Medical University of Graz, Austria Metaphyseal sclerotic bands in a 7 year old child post Denosumab treatment - Nikhil Tandon et al. 13 Tata Memorial Hospital, Parel, Mumbai, India 14 Low-grade Fibromyxoid Sarcoma of the subscapularis muscle: a rare case – Pollyanna Christine Ferreira Frazão ULS Aveiro Surgical complications of curettage in atypical cartilaginous – *Claire Scholte et al.* 15 Leiden University Medical Center, Leiden, The Netherlands Detecting malignant transformation of chondrosarcoma secondary to multiple osteochondromatosis using FDG-PET/MRI 16 – Takeo Suzuki Department of Orthopaedic Surgery, Fukushima Medical University School of Medicine, Fukushima, Japan Neoadjuvant trabectedin in patients with locally advanced myxoid liposarcoma – real world data – Rita Carrilho Pichel et al. 17 Medical Oncology Department, Unidade Local de Saúde de Santo António (ULS Santo António), Porto, Portugal Prognostic significance of histological subtype in soft tissue sarcoma with distant metastasis - Hiroyuki Tsuchie et al. 18 Akita University Graduate School of Medicine, Akita, Japan Impact of primary tumor resection on metastasis to the lung in patients with bone and soft-tissue sarcoma – Hiroyuki Tsuchie et al. 19 Akita University Graduate School of Medicine, Akita, Japan Development of fibrosarcoma after graft removal for cruciate ligament reconstruction – Agnieszka Halm-Pozniak, 20 Christoph Hubertus Lohmann, Martin Röpke Department of Orthopeadic Surgery, Otto-von-Guericke University Magdeburg, Magdeburg, Germany Evaluation of Youtube videos on soft tissue sarcomas: how reliable are Youtube shares? - Alparslan Yurtbay et al. 21 Department of Orthopaedics and Traumatology, Samsun University, Turkey

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