

Plenary Room

09:00 – 10:30

09:00 - 10:30

News in Pathology:

The role of pathology in the era of next generation sequencing

Moderator: Baumhoer & Forsyth

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- 09:00-09:15** (12+3) The role of molecular diagnostics (FISH/NGS) in the diagnosis of “Vascular soft tissue and bone tumors”
Wardelmann
-
- 09:15-09:30** (12+3) The morphologic spectrum of NTRK fusion tumors in soft tissue - molecular testing needed?
Liegl-Atzwanger
-
- 09:30-09:45** (12+3) Chordoma – What`s new in the classification - poorly and dedifferentiated
Flanagan
-
- 09:45-10:00** (12+3) The role of NGS in osteosarcoma
Baumhoer
-
- 10:00-10:15** (12+3) What`s new in the classification of cartilaginous tumors?
Bovee
-
- 10:15-10:30** (12+3) Giant cell Tumor of bone - treatment changes and molecular testing
Hartmann

10:30 – 11:00

Coffee break, Poster & Stand Viewing

11:00 - 12:30

What`s new in the systemic treatment of soft tissue sarcomas?

**Moderator: Szkandera
Brunello**

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- 11:00-11:15** (12+3) Targeted therapy in soft tissue sarcoma
Stacchiotti
-
- 11:15-11:30** (12+3) Best treatment options for desmoid tumors
Kasper
-

11:30-11:45 (12+3)	The EU initiatives: EURACAN and the European Reference Networks Casali (video presentation)
11:45-12:15	Battle: Soft tissue sarcomas – should apps tell us what to do?
(10)	Van de Sande vs. (yes)
(10)	Reichardt (no)
(10)	discussion
12:15-12:18 (3)	BCOR Expression in Synovial Sarcoma Predicts Improved Disease-Free and Overall Survival (ID: 529) Chebib
12:18-12:21 (3)	Treatment of NTRK fusion-positive infantile fibrosarcomas with NTRK-inhibitors in two female patients (ID: 290) Tesch
12:21-12:24 (3)	Which patients with pre-treated locally advanced or metastatic sarcoma benefit most from trabectedin treatment? First results from a retrospective study of the German Interdisciplinary Sarcoma Group (GISG-14 ReTraSarc) (ID: 176) Andreou
12:24-12:30 (6)	discussion
12:30 – 13:30 Lunch	

13:30 – 14:30
Lunch Symposium Implantcast

14:30 – 15:30
Pelvic surgery

Moderator: Ruggieri
Streitbürger

14:30-14:45 (12+3)	Navigation Jeys
14:45-15:00 (12+3)	Reconstruction after pelvic resection: Why I do not close the pelvis Ruggieri
15:00-15:15 (12+3)	Pelvic reconstruction: When I choose to close the pelvic ring Kotrych

15:15-15:18 (3)	Walking Balance and Compensatory Gait Mechanisms in Surgically treated Patients for Pelvic Musculoskeletal tumours – A Presentation of Preliminary Findings (ID:467) Furtado
15:18-15:21 (3)	Percutaneous Stabilization of Symptomatic Sacral and Acetabular Column Metastatic Lesions with Photodynamic Nails (ID:422) Lozano-Calderon
15:21-15:24 (3)	Surgical management of sacral chordoma (ID:532) Musaev
15:24-15:30 (6)	discussion
15:30 – 16:00 Coffee break, Poster & Stand Viewing	

16:00 – 17:30
Infected Megaprosthesis: Treatment & Prevention

**Moderator: Glehr
Donati**

16:00-16:15	Prophylactic Antibiotic Regimens In Tumor Surgery (PARITY): An International, Multi-Center Randomized Controlled Trial Comparing Alternative Antibiotic Regimens in Patients Undergoing Tumor Resection and Endoprosthetic Reconstruction of the Lower Extremity (ID:454) Ghert
16:15-16:45	Battle: Silver coating: Risk or reason? 10 Hardes (reason) vs. 10 Windhager (risk) 10 discussion
16:45-16:48 (3)	Por-Ag Silver coated mega-prosthesis in non-oncological patients: a retrospective analysis.(ID: 239) Mani
16:48-16:51 (3)	A new antibiotic prophylaxis approach can decrease infection rate and morbidity. Results from a prospective study (ID: 143) Boffano
16:51-16:54 (3)	Does the Duration of Primary and first Revision surgery influence the probability of first and subsequent megaprosthesis failures after extremity sarcoma resection (ID: 10) Theil (video presentation)
16:54-17:00 (6)	discussion

17:00-17:30 **Battle:** Infected (Mega-)Prostheses – one-stage vs. two-stage revision
 Glehr vs. (one-stage)
 Lehner (two-stage)
(10)
(10)
(10) **discussion**

17:30 – 18:00
EMSOS lecture

Moderator & Introduction: Scheipl

17:30 – 18:00 The role of next generation sequencing in modern pathology and its impact on
 the current WHO classification of bone and soft tissue tumors
 Flanagan

18:00 – 19:00
EMSOS General Assembly

>> Room 2

09:00 - 10:30

Free topics: Flash session 1: Benign soft tissue tumors

**Moderator: Mavcic
Niethard**

09:00-09:15 (12+3)	Introductory lecture: diffuse giant cell tumour of tendon sheath: what's new? Mastboom
09:15-09:20 (5)	Clinicians' adherence to practice guidelines for soft tissue sarcoma analyzed with Quality Indicator (ID:228) Iwata
09:20-09:25 (5)	Prognoses of superficial soft tissue sarcoma: The importance of fascia-tumor relationship on MRI (ID:56) Han
09:25-09:30 (5)	What is the Role of Arthroscopy in PVNS? A consecutive series of 53 patients treated for PVNS of the Knee.(ID:300) Thomson
09:30-09:35 (5)	Surgical management of 244 TGCT patients in a single institution: a 20-year cohort study (ID: 457) Spierenburg
09:35-09:40 (5)	The role of denosumab in the management of un-resectable Giant Cell Tumour of Bone(GCTB): A systematic review with an illustrative case report (ID:37) Fahy
09:40-09:55 (15)	discussion
09:55-10:00 (5)	Tenosynovial giant cell tumor in the foot and ankle (26 cases with the mean 73 months follow-up period)(ID: 5) Cevik
10:00-10:05 (5)	Safety and preliminary efficacy of vimseltinib in tenosynovial giant cell tumor (TGCT) (ID:470) Van de Sande
10:05-10:10 (5)	Prognosis and clinical outcomes of extra-thoracic solitary fibrous tumours (ID: 259) Shah
10:10-10:15 (5)	FAP-related desmoid tumors treated with low-dose chemotherapy: results from an international, multi-institutional, retrospective analysis (ID:31) Napolitano
10:15-10:30 (15)	discussion

10:30 – 11:00

Coffee break, Poster & Stand Viewing

11:00 - 12:30

Free topics: FLASH session 2: Bone reconstruction

Moderator: *Angelini*
Yalcinkaya

11:00-11:04 (4)	Juxta-articular distal femur resection sparing knee joint with custom made surgical guide. (ID: 204) Spazzoli
11:04-11:08 (4)	Usage of absorbable attachment tubes in megaendoprosthetic reconstructions – a proof of principle (ID: 262) Scheidt
11:08-11:12 (4)	Computed tomography-guided navigation versus computer navigation-assisted surgery in the resection of musculoskeletal tumors. (ID: 134) Funovics
11:12-11:16 (4)	The outcome of Joint Sparing Endoprosthesis (JSE) as a reconstructive modality after resection of juxta articular bone sarcoma (ID: 59) Shehadeh
11:16-11:20 (4)	Outcomes following endoprosthetic replacement with cemented stems for proximal tibia tumors (ID: 269) Chalopin
11:20-11:32 (12)	discussion
11:32-11:36 (4)	Biomechanical comparison of bone recycling methods in biological reconstructions. (ID: 282) Aycan
11:36-11:40 (4)	Bayley Walker Proximal Humeral Reconstruction – The Stanmore Experience (ID: 236) Aston & Havard
11:40-11:44 (4)	Long term outcomes in distal femoral replacement for tumors (ID: 304) Tayara
11:44-11:48 (4)	Vascularized Bone Graft Reconstruction following Bone Tumor Resection: An Outcome Analysis of a Multidisciplinary Center for Bone and Soft Tissue Sarcoma (ID: 106) Gorski & Krieg
11:48-11:52 (4)	Multidisciplinary approach in musculoskeletal oncology: collaboration between vascular and orthopedic surgeon in complex cases. (ID: 220) Ruggieri
11:52-12:04 (12)	discussion

12:04-12:08 (4)	Titanium custom-made implants as novel approach to reconstructive surgery after oncologic resection in pediatric patients (ID: 135) Beltrami
12:08-12:12 (4)	Customized jigs in joint sparing resection and massive allograft reconstruction (ID: 291) Campanacci
12:12-12:16 (4)	Intra-articular soft-tissue sarcoma of the knee — is extra-articular resection and tumor endoprosthetic reconstruction the solution? A retrospective report on eight cases (ID: 30) Nottrott
12:16-12:20 (4)	Preliminary results of two stage intercalary diaphysis bone loss reconstruction combining Capanna technique and Masquelet induced membrane: the “Capasquelet” Technique.(ID: 252) Crenn (video presentation)
12:20-12:30 (10)	discussion
12:30 – 13:30 Lunch	

**13:30 – 14:30
Pediatric sarcomas**

**Moderator: Benesch
Dirksen**

13:30–13:45 Epigenetic data on Ewing sarcomas
(12+3) **Eleni Tomazou**

13:45-14:00 The role of pathology in the diagnosis of round blue cell tumours
(12+3) **Liegl-Atzwanger**

14:00-14:30 Battle: Immunotherapy for Bone Sarcomas
(10 min talk each + 10 min discussion)

(10)

Bielack (contra) vs.

(10)

Palmerini (pro)

(10)

discussion

**14:30 – 15:30
Free topics: FLASH session 3 : Pediatric Sarcomas**

**Moderator: Bramer
Bülent Erol**

14:30-14:40 Introductory lecture: bone sarcomas: important publications 2020/2021
(7+3) **Funovics**

14:40-14:43 (3)	10 years experience with the Xpand non-invasive expandable prosthesis Gortzak
14:43-14:46 (3)	Epiphysis sparing surgery is a safe and effective treatment for tumors of the distal tibia. (ID: 65) Sambri
14:46-14:49 (3)	Limb salvage and complication management after (sub-)total humerus resection in sarcoma patients during early infancy (ID: 164) Röder
14:49-14:52 (3)	Is magnetic intramedullary nail suitable for treating lower limb length discrepancy in patients after bone tumor? (ID: 492) Campanacci
14:52-14:55 (3)	Bone union in frozen autograft and free vascularized fibula combination after intercalary resections in skeletally immature patients. (ID:326) Aycan
14:55-15:05 (10)	discussion
15:05-15:08 (3)	Complications of limb salvage surgery in childhood tumors and recommended solutions (ID:336) Sungur
15:08-15:11 (3)	Telescope allograft augmentation technique for a short residual proximal femur in megaprosthesis in children (ID: 238) Staals
15:11-15:14 (3)	Physeal distraction before excision of metaphyseal malignant bone tumors in children (ID:208) Velez
15:14-15:17 (3)	Growth disturbance in the tibia after expandable distal femur reconstruction in skeletal immature patients. (ID:98) Shehadeh
15:17-15:20 (3)	Endoprosthetic replacement of growing patients with bone sarcoma (ID: 302) De Vaal
15:20-15:30 (10)	discussion
15:30 – 16:00 Coffee break, Poster & Stand Viewing	

16:00 – 17:30

Free topics: Flash session 4: Pelvis and spine

**Moderator: Sambri
Vyrva**

16:00-16:15 (12+3)	Introductory lecture: Spine tumour surgery 2021: what's new? Ozaki (video presentation)
16:15-16:19 (4)	Surgical treatment scenario for osteoblastoma of the pelvis: Long-term follow-up results (ID:477) Fiore

16:19-16:23 (4)	Microbiologic Profile and Risk Factors for Infection after Oncologic Sacral Resections (ID:464) Karim (video presentation)
16:23-16:27 (4)	Hemipelvectomy with iliosacral resection in patients with sarcoma – clinical outcome and evaluation of a novel classification system (ID:506) Theil (video presentation)
16:27-16:31 (4)	Complications after pelvic reconstruction: allograft vs custom-made prosthesis (ID: 279) Mani
16:31-16:40 (9)	discussion
16:40-16:44 (4)	Functional ambulation and pain outcomes of same-day percutaneous ablation-osteoplasty-reinforcement-internal fixation (AORIF) reconstruction of massive periacetabular osteolytic defects and pathological fractures (ID: 123) Lee
16:44-16:48 (4)	New Technique of Allograft Reconstruction following the Acetabulum Tumor Pelvic Resection (ID: 179) Vyrva
16:48-16:52 (4)	Surgical options and outcomes for pelvic bone metastasis (ID: 343) Duan (video presentation)
16:52-17:01 (9)	discussion
17:01-17:05 (4)	Reconstruction Methods Following Pelvic Resection: A Systematic Review of Options (ID: 298) Thomson
17:05-17:09 (4)	Improved virtual surgical planning with 3D-multimodality image for malignant giant pelvic tumors (ID: 340) Duan (video presentation)
17:09-17:13 (4)	Does Navigation Assisted Tumour Surgery Improve Margins in Pelvic Chondrosarcomas ? (ID: 286) Kurisunkal
17:13-17:17 (4)	Chondrosarcoma of the Pelvis: surgical management options and outcomes of 41 cases (ID: 342) Duan, Zhang (video presentation)
17:17-17:30 (13)	discussion

>> Room 3

09:00 - 10:30

Flash Session 5: Benign bone tumour

Moderator: Aston**Hillmann**

09:00-09:05 (5)	Do axial giant cell tumours have a worse outcome than those in the extremities (ID:283) Bollmann
09:05-09:10 (5)	Functional outcome of giant cell tumor of distal radius treated with ulnar translocation and wrist arthrodesis (ID:112) Amorim-Barbosa
09:10-09:15 (5)	Giant cell tumor of bone of the distal radius – Clinical outcomes after intralesional surgery (ID: 289) Van Der Heijden
09:15-09:20 (5)	Total hip arthroplasty in Hereditary Multiple Exostosis patients: Literature review and evaluation of 10 cases.(ID:459) Ostetto
09:20-09:32 (12)	discussion
09:32-09:37 (5)	Evaluation of effectiveness and safety of microwave ablation as a minimally invasive treatment alternative for long bone tumors (ID: 261) Nijland
09:37-09:42 (5)	The effects of surgical treatment with chondroblastoma in children and adolescents in open epiphyseal plate of long bones (ID:347) Lang, Duan (video presentation)
09:42-09:47 (5)	Clinico-pathological analysis, recurrence and surgical treatment in a single series of 58 chondroblastomas (ID:314) Innocenti
09:47-09:52 (5)	Chondroblastomas in children and adolescents: Revision of 54 cases (ID:273) Brunet
09:52-10:04 (12)	discussion
10:04-10:09 (5)	Results in the surgical treatment of aneurysmal bone cysts – a retrospective data analysis (ID: 78) Döring
10:09-10:14 (5)	Bone marrow concentrate use in the treatment of bone cysts (ID: 43) Mani
10:14-10:19 (5)	Ischiopubic synchondrosis – Diagnosis and treatment of a challenging tumor orthopaedic differential diagnosis (ID: 27) Schneider

10:19-10:30 discussion
(11)

10:30 – 11:00
Coffee break, Poster & Stand Viewing

11:00 - 12:30
Flash Session 6: Soft tissue sarcomas

**Moderator: Jost
Jones**

11:00-11:04 (4)	Combined treatment with pazopanib and paclitaxel is active in superficial angio-sarcoma but not in hepatic/visceral angiosarcoma- Results of a phase II trial of the German Interdisciplinary Sarcoma Group (GISG-06 EVA) (ID: 181) Andreou
11:04-11:08 (4)	The impact of surgical procedures on the outcome after resection of soft tissue sarcoma (ID:293) Funovics
11:08-11:12 (4)	Complex surgical reconstruction after soft tissue sarcomas resection in children under 10 years: a 20-years' experience of a single center. (ID:136) Beltrami
11:12-11:16 (4)	Myxofibrosarcoma: a strategy to achieve consistently wide margins for better local control. (ID: 174) Spazzoli
11:16-11:29 (13)	discussion
11:29-11:33 (4)	Unplanned excision of soft tissue sarcomas: a systematic review. (ID: 229) Mani
11:33-11:37 (4)	Predictors of high vs low intensity surveillance after soft-tissue sarcoma surgery: A 23-year population-based cohort study in Ontario, Canada (ID:328) Bozzo
11:37-11:41 (4)	Intraoperative Brachytherapy using flab technique in the treatment of soft tissue sarcomas - mean follow up of 5 years (ID: 48) Dammerer
11:41-11:45 (4)	Prediction of effectiveness of preoperative radiotherapy in soft tissue sarcoma and impact on prognosis (ID: 116) Yoshida (video presentation)
11:45-11:58 (13)	discussion
11:58-12:02 (4)	High efficacy for TNF-Melphalan based isolated limb perfusion in the treatment of locally recurrent high-grade soft tissue sarcoma (ID: 76) Podleksa
12:02-12:06	Prognostic factors for post-progression survival after trabectedin treatment in patients with advanced soft tissue sarcoma (ID: 234)

(4)	Iwata
12:06-12:10 (4)	Survival differences for rural and low-income soft tissue sarcoma patients in a country with universal healthcare – A 23-year population-based study (ID: 327) Bozzo
12:10-12:14 (4)	Similar local recurrence rate but worse survival in primary, localized grade 3 myxofibrosarcoma of the extremities. (ID: 68) Sambri
12:14-12:18 (4)	Experience of interstitial permanent i(125) brachytherapy for extremity soft tissue sarcomas. (ID: 337) Fang, Duan (video presentation)
12:18-12:30 (12)	discussion
12:30 – 13:30 Lunch	

12:30 – 14:30 – Room 8
EMSOS board meeting

14:30 – 15:30
Liquid biopsy

Moderator: Heitzer
Braig

14:30-14:45 (12+3)	Current and future perspectives of liquid biopsies in genomics-driven oncology Heitzer
14:45-15:00 (12+3)	Gene expression profiles correlating with tumor inflammatory response in myxoid liposarcomas, synovial sarcomas and myxofibrosarcomas (ID: 225) Goetz
15:00-15:15 (12+3)	Aneuploidy and aneuploidy circulating tumor cells in soft-tissue sarcoma patients (ID:29) Napolitano
15:15-15:30 (12+3)	Liquid biopsy in myxoid liposarcomas Braig

15:30 -16:00 Coffee break, Poster & Stand Viewing

16:00 – 17:30
Basic sarcoma research: new mouse models, in vitro 3 D sarcoma model

**Moderator: Rinner
Banito**

16:00-16:15 (12+3)	Systematic Review of the Current Status of Human Sarcoma Cell Lines Kondo (video presentation)
16:15-16:30 (12+3)	Patient-derived xenografts to model rare soft tissue sarcomas and design new therapeutic approaches Zaffaroni
16:30-16:45 (12+3)	Epigenetic heterogeneity and tumor evolution in Ewing sarcoma Tomazou
16:45-17:00 (12+3)	Genetic and epigenetic mechanism of sarcoma development Banito
17:00-17:15 (12+3)	Epigenetic features in Clear Cell Sarcoma- Based on MUG Lucifer Rinner
17:15-17:30 (12+3)	Multi-omics characterization of sarcoma for precision medicine Chudasama (video presentation)

>> Room 4

09:00 - 10:30**Nursing, nutritional aspects and pain management****Moderator: Leyerzapf
Eminovic**

09:00-09:10 AYA´s with recurrent bone and soft tissue sarcoma´s, three patients with a characteristic clinical course
(7+3)
Leyerzapf

09:10-09:20 Caring for patients with primary malignant bone and soft tissue tumours - a qualitative survey of their need during and after inpatient treatment
(7+3)
Hacker

09:20-09:30 Nursing aspects to improve the quality of life – ensuring optimal inpatient and posthospital care
(7+3)
Fink

09:30-09:40 Nutritional implications for postsurgical woundhealing
(7+3)
Prisching

09:40-09:50
(7+3)

09:50-10:20 Pain management in patients suffering from Musculo-Skeletal Neoplasms – a multidisciplinary approach from the viewpoint of a palliative care unit
(25 + 5)
Hofmann

10:20-10:30 Palliative home care of a 16-year-old patient with polytopic osseous metastases of Ewing (ES) sarcoma and severe neuropathic pain
(7+3)
Ott

10:30 – 11:00**Coffee break, Poster & Stand Viewing****11:00 - 12:30****Communicational skills & Shared Decision Making in oncological cases****Moderator: Fraberger
Andritsch**

11:00-11:30 Improving communication skills between health professionals and people with cancer
(25+5)
Fraberger

11:30-11:40
(7+3)

11:40-11:50 Implementation Shared Decision Making in malignant bone cancer surgery
(7+3) **Bekkering**

11:50-12:00 Delivering bad news - what are the needs of doctors and patients
Andritsch

12:00-12:30
(5 each + 10
discussion)

12:30 – 13:30
Lunch

13:30 – 15:30
Physiotherapy in musculo-skeletal oncology

**Moderator: Bekkering
Nimmervoll**

13:30–13:40 The physiotherapy assessment and treatment for the child with tumour: Con-
(7+3) sensus conference
Venturini

13:40-13:50 Early physiotherapeutic rehabilitation of children and young adults with bone
(7+3) cancer of the lower extremities
Steinbauer

13:50-14:00 Functional results after bone sarcomas – should we allow sports?
(7+3) **Hobusch**

14:00 -14:10 Prevalence and risk factors for falls in patients treated for lower extremity sar-
(7+3) coma
Furtado

14:10-14:20 Interdisciplinary rehabilitative issues after bone and soft tissue tumor resection
(7+3) **Nimmervoll**

14:20-14:30 Rotationsplasty as a surgical option in lower extremity bone tumours
(7+3) **Bekkering**

14:30-14:40 Rotationsplasty in cancer patients: what is the rehab strategy?
(7+3) **Cotti, Rizzoli**

14:40-14:50 Physical function is reduced and associated to quality of life after limb-sparing
(7+3) surgery due to bone sarcoma (ID:206)
Fernandes

14:50-15:00 Feasibility of using the patient specific functional score to guide inpatient reha-
(7+3) bilitation after surgery for musculoskeletal tumours
Kowalska (video presentation)

15:00-15:10 Can holistic personalized models of rehabilitation improve survivorship out-
(7+3) comes after treatment for lower extremity sarcomas? A preliminary efficacy
study
Furtado

15:10-15:20 Service Evaluation of Adult Orthopaedic Oncology Inpatient Rehabilitation Programme
(7+3)
Matthews & Scanlan (video presentation)

15:20-15:30 Energy cost and gait biometrics after rotationplasty (ID 152)
(7+3)
Krebbekx

15:30 – 16:00
Coffee break, Poster & Stand Viewing

16:00 – 17:30
Surgical Nursing + postsurgical treatment/Follow-Up

**Moderator: Fink
Trost**

16:00-16:15 Postoperative complications and functional outcomes of reconstructions following pelvic resections: Single center experience
(12+3)
Aycan

16:15-16:30 Challenges in the orthopedic nursing of tumor patients receiving a tumor prosthesis in the lower extremities (ID: 518)
(12+3)
Golemac

16:30-16:45 Effect of surgical nursing of accelerated rehabilitation on the function and complications of shoulder joint arthroplasty for proximal humeral tumor
(12+3)
Chen

16:45-17:00 Enhanced recovery after surgery in combined hemipelvic prosthesis replacement Clinical practice in the treatment of pelvis tumors
(12+3)
Chen

Posterwalk 1

Time: 10:30-11:00

Session:

1. Bone sarcoma 1 (11)
2. Pathology, diagnosis & rare lesions (10)
3. Pelvic + spine (11)

Duration: 1 min presentation + 2 min discussion / presentation

Details:

Bone sarcoma 1
Moderator: Nottrott, Brcic
ID 360 Characteristics and prognosis of pelvic Ewing sarcoma: a SEER population-based study Long C
ID 335 Treatment of chondrosarcoma. Prognostic factors and treatment options based on patients' age, localization, size and grade of tumor in a review of 45 cases. Ruckenstuhl P
ID 147 A retrospective European Musculoskeletal Oncology Society (EMSOS) study of second primary osteosarcoma after retinoblastoma Asaftei S
ID 248 Does surgical margin effect the survival rate of osteosarcoma? Dabak N
504

<p>Evaluation of C-reactive protein levels for prognosis assessment in bone and soft tissue tumors - a 13 years retrospective single center study</p> <p>Consalvo</p>
<p>507</p> <p>Interventional procedures in the treatment of bone and soft tissue tumors: a pictorial review</p> <p>Softic</p>
<p>514</p> <p>Review of treatment results of bone sarcomas in the Department of Orthopedics and Traumatology of Lithuanian Health Science University's Kaunas Clinic's in 2002-2020</p> <p>Markeviciute</p>
<p>533</p> <p>Treatment of local recurrence of osteosarcoma in children</p> <p>Kobys</p>
<p>202</p> <p>Multidrug resistance Protein 1 silencing in osteosarcoma and chondrosarcoma cell lines</p> <p>Freund</p>
<p>ID 49</p> <p>Secondary superficial high-grade chondrosarcoma of the clavicle: A case report.</p> <p>Takenoshita S</p>
<p>ID 119</p> <p>Histiocytic sarcoma arising in a femur with a long-standing chronic osteomyelitis.</p> <p>Medellin Rincon M</p>
<p>Pathology, diagnosis & rare lesions</p>
<p>Moderator: Von Kunow, Friesenbichler</p>
<p>ID 7</p> <p>An unusual tumour in the thigh: Semimembranosus Calcific Tendonitis</p> <p>Ozkan, Ozturan</p>

<p>ID 40</p> <p>Rhabdomyosarcoma with Fukuyama Congenital Muscular Dystrophy: A Case Report</p> <p>Hagiwara Y</p>
<p>ID 111</p> <p>Brown-Séquard Syndrome by Dorsal Hemangioma of Aggressive Behavior</p> <p>Amorim-Barbosa T</p>
<p>ID 127</p> <p>The value of Xray, CT-scan, and MRI imaging to determine the malignancy status of a bone lesion: analysis of the results of an online quiz.</p> <p>Gaume M</p>
<p>ID 186</p> <p>Malignant myoepithelioma of bone and soft tissue</p> <p>Longhi A</p>
<p>ID 110</p> <p>Tibial PEComa - An extremely rare case report</p> <p>Amorim-Barbosa T</p>
<p>ID 8</p> <p>Rosai-Dorfman disease with bone involvement in children</p> <p>Ozkan K</p>
<p>ID 34</p> <p>Bone adamantinoma cases</p> <p>Protsenko V</p>
<p>ID 55</p> <p>Core Needle Biopsy for Myxoid Soft Tissue Tumors: a Diagnostic Challenge?</p> <p>Han I</p>
<p>ID 218</p> <p>Image-Guided Percutaneous Biopsy for the Diagnosis of Musculoskeletal Tumors</p> <p>Ruggieri P</p>

Pelvis + spine	
Moderator: Müller, Sorensen	
ID 154	Hemi-vertebrectomy of L5 in grade 2 Chondrosarcoma: is a single posterior approach with no nerve root sacrifice possible? A case report. Ipponi
ID 230	Off the rack reconstruction solution with tmars for periacetabular pelvic resections – an experience of 20 cases at a high volume referral centre SIDDIQI M
ID 354	3D-multimodality imaging technique facilitates oncological resection of periacetabular malignancies Duan H (only abstract book)
ID 161	Custom-made pelvic prosthesis, fixed to the sacrum, after internal hemipelvectomy as a limb-salvaging alternative. Pereira C
ID 129	LUMIC solutions in periacetabular pelvic reconstruction problems Aycañ O
ID: 281	3-years follow up results after reconstruction of the pelvic ring by the metal-polymer endoprosthesis after I-III types internal hemipelvectomy Diedkkov
ID 38	Treatment of carcinoma bone metastases using the O-ARM navigation system Nicolosi F
ID 160	

Multifocal Leiomyosarcoma of the thigh. A case report. Serban B
ID 156 Effectiveness of cyber knife for oligometastatic lung lesions of musculoskeletal sarcoma. Yasuda T
ID 495 Surgical treatment of impending fractures significantly improves the survival and quality of life of patients with bone metastases from carcinoma Nicolosi

Posterwalk 2

Time: 15:30-16:00

Session:

1. Soft tissue sarcoma 1 (8)
2. Bone sarcoma 2 (8)
3. Interesting cases 2 (9)
4. New techniques (9)
5. Radiology of bone tumors (9)

Duration: 1 min presentation + 2 min discussion / presentation

Soft tissue sarcoma 1
Moderator: Goedhard, Podleska
ID 501 Despite Education Orthopaedic Surgeons Still Perform Unplanned Resections Belzarena
ID 440 Tumor Bed complications in patients with Soft Tissue Sarcomas of the extremities and the superficial trunk treated with Surgery and Perioperative High Dose Rate Brachytherapy (PHDRB): clinical and dosimetric analysis Gomez-Álvarez
ID 548 Predictive and prognostic factors in synovial sarcoma: retrospective study of 130 cases Mani
ID 515 Intraoperative radiotherapy in soft tissue sarcomas. Assessment and monitoring of a historic series. González-Lizán

<p>ID 555</p> <p>Definition of the surgical case complexity in the treatment of soft tissue tumors of the extremities and trunk</p> <p>Fuchs</p>
<p>Effect of negative pressure wound therapy after surgical removal of deep-seated high-malignant soft tissue sarcomas of the extremities and trunk wall – study protocol for a randomized controlled trial (ID: 524)</p> <p>Yilmaz</p>
<p>ID 498</p> <p>Development of a scoring system combined clinical, radiological, and histopathological examinations for differential diagnosis between lipoma and atypical lipomatous tumor/well-differentiated liposarcoma</p> <p>Asano</p>
<p>ID 554</p> <p>What are Preoperative Risk Factors for Fibrosarcomatous Transformation in Dermatofibrosarcoma Protuberans (DFSP)</p> <p>Houdek</p>
<p>Bone sarcomas 2</p>
<p>Moderator: Viertler & San Julián Aranguren</p>
<p>ID 442</p> <p>Reconstruction of resected calcaneus due to osteosarcoma with a free osteocutaneous fibular flap: Case report</p> <p>Mercun</p>
<p>ID: 513</p> <p>Ollier disease: Two Case Reports</p> <p>Markeviciute</p>
<p>ID 167</p> <p>Does Bone Grafting Reduce Fracture Risk After Curettage of Atypical Cartilaginous Tumors?</p> <p>Janssen</p>
<p>ID 6</p>

<p>Histological, epidemiological and anatomical analysis of 55 bone tumors of the fibula</p> <p>Cevik</p>
<p>ID 463</p> <p>Curettage versus resection surgery in grade 1 chondrosarcomas</p> <p>Miranda</p>
<p>ID 553</p> <p>The usefulness of extracorporeal circulation in popliteal-based free fillet lower leg musculocutaneous flap after hemipelvectomy</p> <p>Mani</p>
<p>ID 520</p> <p>Does Bone Grafting Reduce Fracture Risk After Curettage of Atypical Cartilaginous Tumors?</p> <p>Krebbekx</p>
<p>ID 474</p> <p>Resection and reconstruction navigated with custom implant a chondrosarcoma of the pelvis. Report of a case.</p> <p>Salgado</p>
<p>New techniques</p>
<p>Moderator: Traub, Van der Geest</p>
<p>ID 491</p> <p>Artificial muscle: are we there yet?</p> <p>Bruschi</p>
<p>ID 542</p> <p>A hollow, custom-made prosthesis combined with a vascularized flap and bone graft for skeletal reconstruction after bone tumour resection</p> <p>Beltrami</p>
<p>ID 544</p> <p>What are the resection accuracy and guide fitting errors of patient-specific resection guide using 3D printing for bone tumor resections?</p>

Kim
<p>ID 422</p> <p>The use of 3D printing in the treatment of osteolytic bone lesions – a workflow</p> <p>Weschenfelder</p>
<p>ID 476</p> <p>Navigation and Surgical Guides to Measure the Patient 3D Printed for Unicortical Resection of Metaphyseal Tumors of Distal Femur. Cadaveric Validation Study</p> <p>Salgado</p>
<p>ID 539</p> <p>Hemipelvectomy with customized surgical guide without navigation.</p> <p>Salgado</p>
<p>ID 541</p> <p>Custom-Made 3D-Printed Implants after bone tumor resection in pediatric patients: are new technologies able to improve reconstructive option and results?</p> <p>Beltrami</p>
<p>ID 528</p> <p>Biomechanical Evaluation of a Patient Specific 3D Printed HemiPelvis Implant Used for Surgical Treatment of Pelvic Chondrosarcoma: A Finite Element Analysis</p> <p>Kiapour</p>
<p>ID 475</p> <p>Tumor resection with cut guide to measure Recurrent distal femur chondrosarcoma.</p> <p>Salgado</p>
Radiology of bone tumours
Moderator: Ranner, Igréc
<p>ID 552</p> <p>Unicameral bone cysts of proximal femur in skeletally immature patients:</p> <p>Do radiological parameters, pathological fracture, treatment method and recurrence affect the outcomes?</p> <p>Aycan</p>

<p>ID 449</p> <p>Early response monitoring of neoadjuvant chemotherapy using FDG PET can predict the clinical outcome of extremity osteosarcoma</p> <p>Kong</p>
<p>ID 546</p> <p>High performance and low complications rate of radio-guided biopsies in a reference center in the diagnosis of bone tumors.</p> <p>Crenn (only abstract book)</p>
<p>ID 556</p> <p>How can we assess the exposure of sarcoma surgeon?</p> <p>Fuchs</p>
<p>ID 502</p> <p>Incremental Direct Imaging Costs Due to Non-Referring Sarcoma Patients</p> <p>Belzarena</p>
<p>ID 540</p> <p>Impact of Insurance Status on Chondrosarcoma Diagnostic Stage: Implications for Detection and Outcomes</p> <p>Yatham & Belzarena</p>
<p>ID 526</p> <p>The Validity of The Birmingham Atypical Cartilage Tumour Imaging Protocol (BACTIP) to Predict Survival Outcomes and Guide Surgical Decision-Making.</p> <p>AlAqeel</p>
<p>ID 499</p> <p>Midterm MRI follow-up of untreated enchondroma and atypical cartilaginous tumours in the long bones.</p> <p>Deckers</p>
<p>ID 44</p> <p>Conservatively managed cartilage tumors of the long bones- A ten year MRI follow up study</p> <p>Gilg, Dreier</p>

ID 450

Usefulness of increased ^{18}F -FDG uptake for detecting local recurrence in patients with extremity osteosarcoma treated with surgical resection and endoprosthetic replacement

Kong

>> Plenary Room

09:00 - 10:30

Interdisciplinary treatment of metastases

Moderator: *Pollock*
Baad-Hansen

09:00-09:15 Sarcoma metastasis: how to proceed?
(12+3) **Jones**

09:15-09:30 Oligometastases: Should they be treated differently?
(12+3) **Dürr**

09:30-09:42 Surgical anatomy, techniques and biomechanical analysis of AORIF percutaneous stabilization of periacetabular osteolytic lesions and biomechanical analysis (ID: 122)
(7+5) **Lee**

09:42-09:54 Clinical Outcomes of Patients Treated with Carbon Fiber Plates: An International Study (ID:547)
(7+5) **Rijs**

09:54-10:06 Prognostic differences between oligometastatic and polymetastatic osteosarcoma recurrence – A report from the Cooperative Osteosarcoma Study Group (COSS) (ID:137)
(7+5) **Bielack**

10:06-10:18 Are Plasma YKL-40 and IL-6 prognostic for survival after surgery for metastatic bone disease of the extremities? (ID: 28)
(7+5) **Sorensen**

10:18-10:30 Overall Survival in case of oncologic resection of bone metastasis in thyroid cancer. (ID: 70)
(7+5) **Crenn (Video presentation)**

10:30 – 11:00

Coffee break, Poster & Stand Viewing

11:00 - 12:30

New guidelines and studies in sarcoma

Moderator: *Ahmed*
Windhager

11:00-11:15 Chemotherapy of soft tissue sarcomas: new guidelines
(12+3) **Brunello**

11:15-11:30 New studies in sarcoma
(12+3) **Kasper**

11:30-11:45 The challenges of Sarcoma patients and how patient advocates & experts together can make extensive changes.
(12+3) **Gonzato (video presentation)**

11:45-12:00 Giant cell tumor of tendon sheath: new studies
(12+3) **Bauer**

12:00-12:15 DNA methylation classifier for sarcomas
(12+3) **Kölsche**

12:15-12:30 Which factors are associated with negative surgical margins in soft tissue and bone sarcoma patients? Results from a German-wide cohort study (PROSa-study) (ID: 197)
(12+3) **Andreou**

12:30 – 13:30
Lunch

13:30 – 14:30
Update in the treatment of abdominal sarcomas

**Moderator: Hohenberger
Gronchi**

13:30-14:00 Standards in the treatment of abdominal and retroperitoneal sarcomas
(25+5) **Gronchi**

14:00-14:30 Battle: RTX for retroperitoneal sarcoma
(10) **Hohenberger (Contra)**
(10) **vs. Haas (Pro)**
(10) **discussion**

14:30 – 15:30
Limb sparing surgery vs. amputation

**Moderator: Capanna
Funovics**

14:30-14:45 Isolated limb perfusion (ILP): why should we use it?
(12+3) **Tunn**

14:45-15:00 Defining Depression and Anxiety in Orthopaedic Sarcoma Patients (ID:497)
(12+3) **Polfer**

15:00-15:30 Battle: Limb salvage for sarcomas at the ankle joint?
(10) **Puri (no) vs.**
Manfrini (yes)

(10)

discussion

(10)

15:30 – 16:00

Coffee break & Poster & Stand Viewing

16:00 – 16:30

Campanacci lecture

Moderator & Introduction: Leithner

16:00-16:30 The future of orthopaedic oncology
Sander Dijkstra

16:30 – 17:30

Difficult case discussion & panel hot seat (6-8 Leute) & Voting

***Moderator: Michiel van de Sande
Bergovec***

>> Room 2

09:00 - 10:30
RTX Carbon & Proton Therapy

**Moderator: Haas
 Georg**

09:00-09:15 (12+3)	Intraoperative radiotherapy of STS Röder
09:15-09:30 (12+3)	Carbon ion therapy for sacral tumors and SACRO trial Fossati
09:30-09:45 (12+3)	Carbon ion therapy for osteosarcoma and OSCAR trial Harrabi
09:45-10:00 (12+3)	Proton therapy for pediatric sarcoma Hug
10:00-10:07 (7)	Activation of efficient DNA repair mechanisms after photon and proton irradiation of human chondrosarcoma cells (ID:465) Lohberger
10:07-10:14 (7)	Clinical outcome in children and young adults with pelvic rhabdomyosarcoma treated with proton therapy (ID: 151) Peters
10:14-10:21 (7)	Sacral nerve roots and ischial nerve as organs at risk in definitive carbon ion irradiation of sacral sarcoma. (ID:109) Fossati
10:21-10:30 (9)	discussion

10:30 – 11:00
Coffee break, Poster & Stand Viewing

11:00 - 12:30
Man vs. machine: deep learning and heavy statistics in sarcoma treatment

**Moderator: Seeber
 Biau**

11:00-11:15 (12+3)	Machine learning in Pathology Plass
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11:30-11:40 (7+3)	Re-excision after R1 resection of soft-tissue of limb and trunk wall sarcomas improves over-all survival for some patients. A national-wide Netsarc study of 2 505 patients study. (ID: 216) Gouin
11:40-11:50 (7+3)	The 10 year results of the fixed-hinge, cemented, Stryker modular endoprosthesis distal femoral tumour system: a multicentric retrospective review of 125 cases (ID: 155) Biau
11:50-12:00 (7+3)	Artificial intelligence and chondrosarcoma: an international validation of the Skeletal Oncology Research Group (SORG) survival algorithm (ID: 200) Palmerini
12:00-12:30 (10) (10) (10)	Battle: RTX for all high grade STS: what do modern statistics tell us? Biau (no) vs. Andreou (yes) discussion

**12:30 – 13:30
Lunch**

13:30 – 15:30

Free Topics: Flash session 7: Interdisciplinary treatment of metastatic disease

**Moderator: Papagelopoulos
Campanacci**

13:30-13:34 (4)	Early diagnosis of intramedullary femoral bone metastasis using CT axial image (ID: 124) Yonezawa
13:34-13:38 (4)	Surgical treatment of skeletal metastases in proximal tibia. (ID:158) Kilk
13:38-13:42 (4)	Intramedullary nailing for impending or pathologic fracture of the long bone: titanium vs carbon fiber peek nailing (ID: 221) Ruggieri
13:42-13:46 (4)	Service Evaluation of Therapy Management after Proximal Femoral Replacement for Metastatic Bone Disease – A Retrospective Analysis of 10 cases (ID: 257) Vaghela (video presentation)
13:46-13:50 (4)	Long-term outcome and patient related outcome measurements in patients with modular distal femoral and proximal tibial megaprotheses (ID: 284) Lehner
13:50-14:01 (11)	discussion

14:01-14:05 (4)	The Stanmore METS Distal Femoral Replacement Modular System for primary bone tumours and metastatic disease – a single centre experience. (ID: 235) Wigley, Aston
14:05-14:09 (4)	Surgical management of metastatic lesions of the proximal femur with pathological fractures using intramedullary nailing or endoprosthetic replacement (ID: 341) Duan & Zhang (video presentation)
14:09-14:13 (4)	Limb-saving treatment of bone metastases in the lower extremity using a modular implant system (ID:285) Omlor
14:13-14:17 (4)	Resections and megaprotheses of the lower limb in the very elder (ID: 185) Scoccianti
14:17-14:21 (4)	Validate the results of Pathfx on Turkish patients with skeletal metastasis (ID: 193) Ozturan
14:21-14:32 (11)	discussion
14:32-14:36 (4)	Reconstruction of the humerus using the Comprehensive Segmental Revision System in patients suffering from metastatic bone disease (ID: 195) Jensen
14:36-14:40 (4)	Complications and survivorship of megaprotheses after the resection of bone metastases (ID: 107) Theil (video presentation)
14:40-14:44 (4)	Novel prognostic scale for patients with spinal metastases (ID:82) Valiev
14:44-14:48 (4)	Sarcopenia as Evaluated by Psoas Cross-Sectional Area is a Predictor of Complication Following Treatment of Lower Extremity Metastatic Disease (ID: 299) Ippolito
14:48-14:52 (4)	Lumbar Bone Metastases Of Synovial Sarcoma Treated With Stereotactic Body Radiation Therapy and Trabectedin (ID: 258) Goncalves
14:52-15:03 (11)	discussion
15:03-15:07 (4)	Does preventive fixation of bone metastases increase overall survival? Results from a case control study (ID: 145) Boffano
15:07-15:11 (4)	Critical analysis of Mirels score in preventing pathological fracture in long bone metastasis. (ID: 275) Crenn (video presentation)
15:11-15:15 (4)	Treatment of Oligometastatic Leiomyosarcoma of the Ankle: Case Report (ID: 243) Goncalves
15:15-15:19 (4)	Local treatment of lung cancer metastases to spine (ID: 177) Kulaga

15:19-15:30 discussion
(11)

15:30 – 16:00
Coffee break & Poster & Stand Viewing

>> Room 3

09:00 - 10:30
Free topics / FLASH session 8: From bench to bedside

Moderator: Fuchs

Ilkyu Han

09:00-09:04 (4)	Four newly discovered USP6 fusion partners (ASAP1, FAT1, SAR1A, TNC) in primary aneurysmal bone cysts (ID: 165) Mavcic
09:04-09:08 (4)	The molecular portrait of TSC1/2- mutated vs TSC1/2-wildtype PEComas. (ID:505) Holzer
09:08-09:12 (4)	Development of metastatic orthotopic xenografts from sarcoma patients as models for therapeutic decision making (ID:488) Fischer
09:12-09:16 (4)	Genomic landscape and identification of therapeutic targets in Clear Cell Sarcoma. (ID: 217) Krzeciesa
09:16-09:20 (4)	The combination of amygdalin with some anti-cancer, anti-parasitic, and anti-inflammatory drugs against MG63, Saos2 and FL cells in vitro (ID: 266) Özturan
09:20-09:32 (12)	discussion
09:32-09:36 (4)	Aggressive osteolytic breast cancer inflammatory tumor microenvironment in the skeletal compartment (ID: 180) Lee
09:36-09:40 (4)	Molecular based diagnostics of sarcoma provides basis for reliable diagnoses, outcome prognostication and correlates with clinical phenotypes (ID: 227) Goetz & Schildhaus
09:40-09:44 (4)	Hydrogen-peroxide reduces cell viability and induces apoptosis in chondrosarcoma and osteosarcoma derived cell lines (ID: 287) Omlor
09:44-09:48 (4)	Sunitinib effectively reduces the viability of tumor stromal cells in a giant cell tumor of bone (ID: 224)

Mahdal	
09:48-09:52 (4)	Effects of mechanical loading on the degradability and mechanical properties of the nanocalcium-deficient hydroxyapatite–multi(amino acid) copolymer composite membrane tube for guided bone regeneration (ID: 344) Duan (video presentation)
09:52-10:04 (12)	discussion
10:04-10:08 (4)	Is percutaneous injection of bone marrow concentrate, demineralized bone matrix and PRF an alternative to Curettage and bone grafting for treating aneurysmal bone cyst? (ID:493) Pasini
10:08-10:12 (4)	Navigation and 3D Printing in Traumatology and Orthopedics: Comparative cadaveric study of the accuracy obtained by various registration methods (ID:473) Salgado
10:12-10:16 (4)	Integrated miRNA-mRNA analysis revealing the potential roles of miRNAs in chordomas (ID: 361) Long
10:16-10:20 (4)	Comprehensive Bioinformatic Analysis of Immune Composition and Genes for Survival Prediction in Sarcoma (ID: 77) Chen (video presentation)
10:20-10:30 (10)	discussion
10:30 – 11:00 Coffee break, Poster & Stand Viewing	

11:00 - 12:30
Free topics / FLASH session 9: Complications and quality of life

**Moderator: Cirstoiu
Gouin**

11:00-11:15 (12 + 3)	Introductory lecture: Are complications unreported in published sarcoma literature? Campanacci
11:15-11:18 (3)	Infection Revision Megaprosthesis Reconstruction after Bone Tumor Replacement (ID: 171) Vyrva
11:18-11:21 (3)	Total humerus replacement with the MUTARS™ system in patients with bone sarcomas – risk factors for endoprosthetic failure and functional outcome (ID: 194) Schneider

11:21-11:24 (3)	Damage of the Metal-on-Metal coupling in modular tumour endoprostheses (MUTARS®) (ID: 309) Lehner
11:24-11:27 (3)	Expert Opinions about sports activity after Tumorendoprostheses - Do they differ in different parts of the world? (ID: 324) Hobusch
11:27-11:38 (11)	discussion
11:38-11:41 (3)	Intramedullary Stabilized Two-Stage Reimplantation Following Megaprosthesis Infection at the Knee: A Consecutive Series of 25 patients (ID: 295) Ippolito
11:41-11:44 (3)	No improvement of failure rate after resection of primary bone tumors and reconstruction with second-generation mega-prostheses (ID: 306) Holm
11:44-11:47 (3)	Is it possible to predict the factors affecting the process during the treatment of post-musculoskeletal tumor surgery wound problems through negative pressure wound therapy? (ID:149) Erol
11:47-11:50 (3)	Does the use of intraoperative angiography reduce the incidence of postoperative wound complications in complex ortho-plastic reconstructions? (ID:190) Ippolito
11:50-11:53 (3)	Adjuvant radiotherapy on skin grafts: experience of a Radiotherapy department (ID:249) Goncalves
11:53-12:04 (11)	discussion
12:04-12:07	Soft tissue sarcomas: Wound complications dictate treatment selection - A new approach (ID:104) Lindeque
12:07-12:10 (3)	Lessons learned from recruitment patterns in the Prophylactic Antibiotic Regimens (PARITY) randomized controlled trial (ID:80) Ghert
12:10-12:13 (3)	The cause of amputation after limb salvage for extremity sarcomas (ID:146) Erol
12:13-12:16 (3)	Functional outcome and QOL after sarcomas of the foot and ankle region. Is early amputation justified? (ID: 256) Hobusch
12:16-12:19 (3)	Patient's Perception of Changes and Consequences after Tumor Surgery/Treatment. A Qualitative Study in Austrian Patients with musculo-skeletal Malignancies. (ID: 203) Trost

12:19-12:30 discussion
(11)

12:30 – 13:30
Lunch

13:30 – 15:30
Free topics/ FLASH session 10: Bone Sarcomas

**Moderator: Staals
Baad-Hansen**

13:30-13:33 (3)	Follow-up in bone sarcoma care: a cross-sectional European study (ID: 325) Goedhart
13:33-13:36 (3)	Chondrosarcoma of the hand and feet-when to worry? (ID:183) Kask
13:36-13:39 (3)	Bone Cancer in Ancient Egypt: the largest series (ID:42) Isidro-Ilorens
13:39-13:42 (3)	Management of bone and soft-tissue sarcomas during pregnancy: A single centre's 36-year experience (ID: 288) Khattak
13:42-13:45 (3)	What are common pitfalls, radiological features and prognostic factors of parosteal osteosarcoma? (ID: 333) Sungur
13:45-13:58 (13)	discussion
13:58-14:01 (3)	Prognostic Significance of Texture Analysis of Magnetic Resonance Images in Primary Osteosarcoma (ID: 321) Laux
14:01-14:04 (3)	Does choice of surgical procedure correlate with survival in high-grade central osteosarcoma around the knee? - A report from the Cooperative Osteosarcoma Study Group (COSS) (ID: 166) Bielack
14:04-14:07 (3)	Pathological fracture does not affect prognosis in dedifferentiated chondrosarcoma of the limbs. (ID: 67) Sambri
14:07-14:10 (3)	What's an adequate resection margin? Analysis of resection margins in currently sixty-four patients treated for locally aggressive and malignant bone tumors of the extremities (ID: 182) Guder
14:10-14:13 (3)	Extraskelletal Ewing Sarcoma of trunk and extremities: a single Institution retrospective review of 57 patients. (ID: 172) Karpik
14:13-14:26	discussion

(13)	
14:26-14:29 (3)	Clinical differences between central and peripheral ex-osteochondroma chondrosarcomas (ID: 157) Parry
14:29-14:32 (3)	Predictors for the use of biopsy in sarcoma patients and impact of place of biopsy – Results from a German-wide cohort study (PROSa-study) (ID: 198) Andreou
14:32-14:35 (3)	Is it safe to observe grade 1 chondrosarcoma? (ID: 226) Grimer
14:35-14:38 (3)	Evaluation of 18 years experience with growing endoprosthesis in children and adolescents with primary malignant bone tumors (ID:330) Szafranski
14:38-14:41 (3)	The long term outcome of extra-articular resection of the knee joint for malignant bone tumors of the distal femur: a comparative retrospective review of 133 cases (ID: 173) Le Nail & Biau
14:41-14:55 (14)	discussion
14:55-14:58 (3)	Delay in diagnosis of primary osteosarcoma of bone in children: have we improved in the last 15 years and what is the impact of delay on diagnosis? (ID: 114) Celaire & Pace
14:58-15:01 (3)	Advanced Epithelioid Haemangioendothelioma: fever, pain and pleural effusion predict a worse outcome (ID: 91) Napolitano & Vincenzi
15:01-15:04 (3)	The role of time and size of local recurrence in disease specific survival of chondrosarcoma (ID: 159) Grimer
15:04-15:07 (3)	Work ability and leisure time activities in adults with tumor-prostheses in the hip and knee. (ID: 133) Fernandes
15:07-15:10 (3)	Comparison of non-vascularized and vascularised fibula grafts in reconstruction of tumor bone defects at the extremities – a single center experience with mid-to longterm results (ID:205) Krieg
15:10-15:13 (3)	EMSOS study on Desmoplastic Fibroma of Bone - The right setting for the wrong tumor? (ID: 315) Traub
15:13-15:16 (3)	EMSOS study on Desmoplastic Fibroma of Bone - The right setting for the wrong tumor? (ID: 456) Niethard
15:16-15:30 (14)	discussion
15:30 – 16:00	
Coffee break & Poster & Stand Viewing	

>> Raum 4

09:00 - 10:30

Free topics: FLASH session 11: Soft tissue sarcoma 2

**Moderator: Acem
Palmerini**

09:00 -09:03 (3)	Effect of Nedoadjuvant and Adjuvant Radiotherapy on Local Recurrence, Distant Metastasis, and overall survival in extremity soft tissue sarcoma (ID: 435) Smolle
09:03-09:06 (3)	The reconstructive role of dermal substitutes after wide excision of soft tissue sarcomas (ID: 508) Spazzoli
09:06-09:09 (3)	Candidate biomarkers for specific intraoperative near-infrared imaging of soft tissue sarcomas (ID: 543) Rijs
09:09-09:12 (3)	Influence of tumour-infiltrating immune cells on local control rate, distant metastasis, and survival in patients with soft tissue sarcoma (ID:433) Szkandera
09:12-09:15 (3)	The surveillance after extremity tumor surgery (SAFETY) trial: International Enrollment and Expansion (ID: 455) SAFETY investigators, Ghert
09:15-09:29 (14)	discussion
09:29-09:32 (3)	Assessing the Safety and Utility of Wound VAC Temporization of the Sarcoma or Benign Aggressive Tumor Bed Until Final Margins are Achieved (ID: 523) Lozano-Calderon
09:32-09:35 (3)	Definition and assessment of quality of sarcoma work-up using a transdisciplinary real-world data platform (ID: 531) Fuchs
09:35-09:38 (3)	Is Moh's Micrographic Surgery Really Superior to Wide Local Excision for DFSP? A Multicenter International Study. (ID: 452) Houdek
09:38-09:41 (3)	Haemorrhagic soft-tissue sarcoma: oncological outcomes and prognostic factors for survival (ID: 486) Maes
09:41-09:44 (3)	Free Functional Latissimus Dorsi Reconstruction of the Quadriceps and Hamstrings Following Oncologic Resection of Soft-Tissue Sarcomas of the Thigh (ID: 446) Houdek
09:44-09:58 (14)	discussion

09:58-10:01 (3)	Whoops lesions, still there? (ID: 489) Sanz-Pascual, Perez-Munoz
10:01-10:04 (3)	Lack of Radiosensitivity Predicts Poor Oncologic Outcome in Extremity Myxoid Liposarcoma (ID: 444) Houdek
10:04-10:07 (3)	Outcomes of Soft Tissue Sarcomas in Nonagenarians (ID: 436) Hartley
10:07-10:10 (3)	The role of perioperative chemotherapy in primary high-grade extremity soft tissue sarcoma: A risk-stratified analysis using PERSARC (ID:516) Acem
10:10-10:13 (3)	Prediction models for survival, local recurrence and metastases of Leiomyosarcomas of trunk wall and extremities: A multicentre study (ID: 427) Elgohary
10:13-10:16 (3)	Restaging after Neoadjuvant Radiotherapy for Soft Tissue Sarcoma (ID:490) Schultze
10:16-10:19 (3)	Advanced Imaging versus Clinical Signs and Symptoms for Detecting Local Recurrence of Soft Tissue Sarcoma (ID:430) Cipriano
10:19-10:22 (3)	Does Extrapulmonary Imaging Have a Role in Systemic Surveillance of Soft-Tissue Sarcoma? (ID:431) Cipriano
10:22-10:30 (8)	discussion
10:30 – 11:00 Coffee break, Poster & Stand Viewing	

11:00 - 12:30
Free topics / FLASH session 12: Bone sarcoma 2

Moderator: Goedhard Thaler

11:00-11:15 (12 + 3)	Introductory lecture: Salvage of limb salvage in oncological reconstructions of the lower limb with megaprosthesis: how much to push the boundaries? (ID:537) Innocenti
11:15-11:19 (4)	Effectiveness of cyber knife for oligometastatic lung lesions of musculoskeletal sarcoma. (ID:535) Yasuda
11:19-11:23 (4)	Effect of Metastasectomy in Bone Sarcoma Patients with Secondary Lung Metastases. A Single-Centre Experience. (ID:482) Smolle

11:23-11:27 (4)	Primary and secondary malignant giant cell tumours of bone (ID: 517) Verspoor
11:27 -11:31 (4)	Treatment of giant cell tumor with intralesional surgery and denosumab (ID: 484) Diedkov
11:31-11:35 (4)	Does Size and Percentage of Dedifferentiated Chondrosarcoma Influence Survival? (ID:527) AlAqeel
11:35-11:50 (15)	discussion
11:50-11:54 (4)	Presence of a Soft-Tissue Mass is Associated with Worse Outcome for Patients with Scapular Chondrosarcoma (ID:445) Houdek
11:54-11:58 (4)	Outcomes of Distal Radial Endoprostheses: A Single Centre Experience over 15 years (ID: 521) Mahoney (video presentation)
11:58-12:02 (4)	Accuracy of MRI Scans in Predicting Intraarticular Joint Involvement in High-Grade Sarcomas Around the Knee (ID: 545) Kurisunkal
12:02-12:06 (4)	Impact of Insurance Status on Chondrosarcoma Diagnostic Stage: Implications for Detection and Outcomes (ID: 478) Belzarena
12:06-12:10 (4)	Bone & Soft Tissue Cancer in Ancient Egypt. The largest series. (ID:434) Llorens
12:10-12:14 (4)	Bone Scintigraphy in the Surgical Staging of Skeletal Chondrosarcoma (ID:2) Houdek & Stuart
12:14-12:30 (16)	discussion
12:30 – 13:30 Lunch	

13:30-14:30
Free topics / FLASH session 13: Infection and complication

Moderator: Ghert Lehner

13:30-13:34 *The evolution of silver: an overview*
Friesenbichler
(4)

13:34-13:38 (4)	Silver coated (PorAg®) endoprosthesis can be protective against reinfection in the treatment of tumour prostheses infection. (ID: 66) Sambri
13:38-13:42 (4)	Retrospective evaluation of silver coated tumour prostheses in complex joint infection with major bone destruction: about 24 cases with 46 months follow up. (ID: 213) Fiorenza
13:42-13:46 (4)	What is the chance for a new endoprosthesis for patients with tumors of the knee joint after two-stage revision? (ID:52) Mikailov
13:46-13:50 (4)	Outcomes of Two-Stage Revision for Treating Infected Endoprostheses in Tumour Surgery (ID:536) Mcculloch
13:50-14:00 (10)	discussion
14:00-14:04 (4)	Treatment of pseudotumors in hip prostheses revision surgery (ID:219) Ruggieri
14:04-14:08 (4)	A Comparison of the Microbiology Profile for 2-Stage revision Surgery in Periprosthetic Joint Infection of Knee Arthroplasty and Lower Limb Endoprostheses for Tumour Surgery (ID:534) Mcculloch
14:08-14:12 (4)	What is The Influence of Negative Pressure Wound Therapy on High-Risk Wounds? (ID: 525) AlAqeel
14:12-14:16 (4)	The long term outcomes of limb salvage surgery, single institute experience, review of 210 cases. (ID:462) Shehadeh
14:16-14:20 (4)	Socioeconomic and Preoperative Risk Factors Associated with Limb Salvage versus Amputation for Adult Extremity Bone Sarcomas in Patients with Insurance Coverage (ID:453) Houdek
14:20-14:30 (10)	discussion

14:30-15:30
Free topics / FLASH session 14: Bone metastases

**Moderator: Houdek
 Oliveira**

14:30-14:45 (12+3)	The importance of awaiting biopsy results in solitary pathological proximal femoral fractures. Do we need to biopsy solitary pathological fractures?(ID:483) Verspoor
14:45-14:48 (3)	Outcomes of Intramedullary Nail Fixation for Metastatic Disease: Impending and Pathologic Fractures (ID:469) Houdek
14:48-14:51 (3)	Increased risk of venous thromboembolism with aspirin versus low molecular weight heparin for chemoprophylaxis in patients undergoing surgery for metastatic bone disease (ID:472) Lozano-Calderon
14:51-14:54 (3)	Operating procedures for electrochemotherapy in bone metastases: Results from a multicenter prospective study on 102 patients (ID: 494) Focaccia
14:54-14:57 (3)	Evaluation of effectiveness and safety of microwave ablation as a minimally invasive treatment alternative for vertebral tumors (ID:250) Nijland-
14:57-15:00 (3)	Long-term results of proximal femoral tumor endoprosthesis replacement after primary and metastatic tumors resection. (ID:426) Sokolovsky
15:00-15:10 (10)	discussion
15:10-15:13 (3)	Pelvic metastases from renal cell carcinoma – Results after surgical treatment (ID:496) Scoccianti
15:13-15:16 (3)	Increased risk of venous thromboembolism with aspirin versus low molecular weight heparin for chemoprophylaxis in patients undergoing surgery for metastatic bone disease (ID:512) Lozano-Calderon
15:16-15:19 (3)	Rapid pain relief and functional improvement after local radiofrequency ablation and cementing combined with internal fixation for long bone metastases. A prospective study (ID:424) Oliveira
15:19-15:22 (3)	Clinical Outcomes of Patients Treated with Carbon Fiber Nails: An International Study (ID:510) Lozano-Calderon
15:22-15:30 (8)	discussion

Posterwalk 3

Time: 10:30-11:00

Session:

1. Benign bone tumours (10)
2. Biological reconstruction (9)
3. Limb salvage vs. amputation (10)
4. Total, growing, custom-made & 3D-Implants (9)
5. Prosthetic reconstruction (10)

Duration: 1 min presentation + 2 min discussion / presentation

Benign bone tumours
<p>Moderator: Schaap, Bergovec</p>
<p>ID 163 Long term results of surgical hip dislocation and osteo-articular allograft reconstruction for a chondroblastoma in the femoral head. Medellin Rincon M</p>
<p>ID 339 Surgical strategy for benign lesions in proximal femur: internal fixation or endoprosthetic replacement Duan H (Abstract book only)</p>
<p>ID 130 Bone grafting for pediatric solitary bone cyst patients Bayev V</p>
<p>ID 189 Case report of a juxta-articular osteoid osteoma in the femoral neck of a 3-year-old child Mavcic B</p>
<p>ID 39 Eosinophilic granuloma in adults; two case reports Aydemir A, Ozkan</p>
<p>ID 118</p>

<p>Giant Periosteal Aneurysmal Bone Cysts. Clinicopathological description of two tumours larger than 20 cms.</p> <p>Medellin Rincon M</p>
<p>ID 428</p> <p>Chondroblastoma: is intralesional curettage with the use of adjuvants a sufficient way of therapy ?</p> <p>Deventer</p>
<p>ID 468</p> <p>Outcome of Total Hip Arthroplasty in the Setting of Multiple Hereditary Enchondromatosis</p> <p>Houdek</p>
<p>ID 481</p> <p>Bone Overgrowth and Limb Deformity After Osteochondroma Resection</p> <p>Belzarena</p>
<p>Biological vs. prosthetic reconstruction</p>
<p>Moderator: Smolle, Mahdal</p>
<p>ID 334</p> <p>The use of PRECICE(R) nail in the management of limb length discrepancy following biological reconstruction with frozen hotdog technique.</p> <p>Sungur</p>
<p>ID 207</p> <p>Segmental diaphyseal bone defect reconstruction using vascularized fibula. First single institution experience.</p> <p>Repsa L</p>
<p>ID 305</p> <p>Biological reconstruction after resection of primary malignant bone tumors</p> <p>Traub F</p>
<p>ID 63</p> <p>Combined use of intramedullary nails and Harms titanium mesh cages for reconstruction of diaphyseal defects after resection of malignant bone tumors.</p>

Mikhailov I
<p>ID 54</p> <p>Titanium Silk VS Polymeric Tube. As soft tissue reconstruction option in patients with hip replacement after tumor resection.</p> <p>Mikhailov I</p>
<p>ID 144</p> <p>Can a partial knee replacement be the solution for arthritis secondary to cementation of osteolytic lesions? A case report</p> <p>Boffano M</p>
<p>ID 131</p> <p>Modular fluted tapered stems after tumor resection in the proximal femur.</p> <p>Cretu B</p>
<p>ID 209</p> <p>Elbow joint reconstruction using MUTARS Distal humerus endoprosthesis</p> <p>Repsa L</p>
<p>ID 394</p> <p>Can a modular tapered fluted titanium femoral stem be used in reconstruction following proximal femur tumor resection?</p> <p>Bergovec M</p>
Limb salvage vs. amputation
Moderator: Machacek, Fiore
<p>ID 33</p> <p>Endoprosthesis of ankle joint for tumors of the distal tibia</p> <p>Protsenko V</p>
<p>ID 47</p> <p>Reconstruction of the ankle after wide resection of distal fibula tumors : case report and review of the literature</p> <p>Alrumaih M</p>
ID 245

<p>Ewing´s sarcoma of the calcaneus treated by limb sparing surgery with calcanectomy and reconstruction with a composite of an allograft and a vascularized osteocutaneous fibula graft.</p> <p>Petersen M</p>
<p>ID 277</p> <p>Secondary Amputation – A qualitative Study of Quality of Live in Patients after Primary Limb Salvage Surgery and after later Ablative Sarcoma Treatment</p> <p>Vetchy</p>
<p>ID 61</p> <p>Osseointegration prosthetic limbs for rehabilitation of amputees, the outcome in sarcoma patients.</p> <p>Shehadeh A</p>
<p>ID 270</p> <p>Reconstruction in Bony Tumours of the Foot and Ankle</p> <p>TITUS V</p>
<p>Total, growing, custom-made & 3D-Implants</p>
<p>Moderator: Gilg, Staals</p>
<p>ID 142</p> <p>3D planning for musculoskeletal tumors: an important instrument for the surgeon and the patient. A preliminary study</p> <p>Boffano M</p>
<p>ID 346</p> <p>Total ulna replacement with a 3D printed custom-made prosthesis after en bloc tumor resection</p> <p>Duan H (only abstract book)</p>
<p>ID 120</p> <p>Evolution in the using of Implantcast growing endoprosthesis - Experience of the Warsaw Center - Institute of Mother & Child</p> <p>Szafranski A</p>
<p>ID 294</p>

Reverse Total Shoulder versus Allograft Prosthetic Composites Following Proximal Humerus Tumor Resection Amer K
ID 352 Total talar replacement with a novel 3D printed modular prosthesis for tumors Duan H (only abstract book)
ID 323 Custom made 3D printed prosthetic replacement following bone tumor resections of the distal radius - one-center experience Szostakowski B
ID 121 New technical know how in reconstruction of bone defects in children and youth with primary malignant bone tumors - own experiences Szafranski A
ID 349 Total femoral prosthesis replacement following resection of femoral malignant tumors Duan H (only abstract book)
ID 310 3D printed patient-specific implants in bone tumour surgery. Are we really innovative? Xenotransplantation in XIX and XX century - a historical prelude to modern bone tumour surgery Szostakowski B

Posterwalk 4

Time: 15:30-16:00

Session:

1. Complications & management (8)
2. Survival (11)
3. Basic science & new technologies (11)
4. Quality of Life (10)
5. Interesting cases

Duration: 1 min presentation + 2 min discussion / presentation

Complications & management
<p>Moderator: Goldenitsch, Dammerer</p>
<p>ID 260</p> <p>First use of Closed Incisional Negative Pressure Wound Therapy in oncological orthopaedic patients</p> <p>Mani</p>
<p>ID 271</p> <p>Quantitative measurements of adaptive bone remodeling around the Cemented Zimmer® Segmental stem after tumor resection arthroplasty using dual-energy X-ray absorptiometry.</p> <p>Holm C</p>
<p>ID 393</p> <p>Bone heating at tumor endoprosthesis Implantation: a cadaver study</p> <p>Bergovec, M</p>
<p>ID 416</p>

<p>Tumors at the elbow - clinical and oncological results after resection and endoprosthesis replacement: preliminary results of a 101 patients from a multicentric study</p> <p>Bergovec, M</p>
<p>ID 487</p> <p>The amount of bone resected in periacetabular tumor resection impacts on alloprosthetic reconstruction survival and function</p> <p>Bruschi</p>
<p>ID 421</p> <p>Preoperative Sarcopenia is Associated with Local Tumor Recurrence but not Wound Complications Following Sacral Tumor Resection</p> <p>Houdek</p>
<p>ID 551</p> <p>Extensor tendon reconstruction and wrapping the tumor endoprosthesis with polypropylene mesh</p> <p>Alparslan</p>
<p>ID 471</p> <p>Allograft Prosthetic Composite Reconstruction Using a Reverse Total Shoulder Arthroplasty for Failed Oncologic Proximal Humerus Reconstruction</p> <p>Houdek</p>
<p>Survival</p>
<p>Moderator: Sys, Krieg</p>
<p>ID 72</p> <p>Late metastasis in Ewing sarcoma</p> <p>Woltsche J</p>
<p>ID 265</p> <p>Survival analysis of myxoid liposarcoma: a retrospective evaluation over 20 years</p> <p>Granados</p>
<p>ID 357</p> <p>Development of a general logistic model for disease risk prediction using multiple SNPs</p>

Long C
<p>ID 359</p> <p>Prognostic nomograms to predict overall survival and cancer-specific survival in patients with pelvic chondrosarcoma</p> <p>Long C</p>
<p>ID 417</p> <p>Diagnostics and treatment of sarcomas in the Czech Republic – centralization desperately needed</p> <p>Adamkova</p>
<p>ID 148</p> <p>A case report of rare biological reconstruction technique in a patient with elbow synovial sarcoma</p> <p>Cirstoiu C</p>
<p>ID 233</p> <p>Prognostic factors in clear cell sarcoma</p> <p>Grothues J</p>
<p>ID 199</p> <p>Clinical outcomes and prognosis of patients undergoing unplanned excisions of malignant soft tissue tumors</p> <p>Morinaga S</p>
<p>ID 140</p> <p>Risk factor related to local recurrence of myxofibrosarcoma and undifferentiated pleomorphic sarcoma by the adjacent tissue of the primary lesion</p> <p>Suzuki K</p>
<p>ID 60</p> <p>Soft tissue sarcoma abutting the bone, what is the adequate bone margin?</p> <p>Shehadeh A</p>
<p>ID 3</p> <p>Comparison of the 7th and 8th version of the AJCC-classification for soft tissue sarcoma.</p>

Smolle M
Basic science & new technologies
Moderator: Balogh, Boffano
ID 479 Female Presenting trends in Oncology Orthopedics – An Analysis of the past 5 years Belzarena
ID 460 Effects of a combined therapy of bortezomib and ionizing radiation on chondrosarcoma tri-dimensional spheroid cultures Lohberger
ID 345 Analyzing the behavior of a porous nano-hydroxyapatite/polyamide 66 (n-HA/PA66) composite for healing of bone defects. Duan H (abstract book only)
ID 128 Clinical outcomes of neoadjuvant denosumab treatment in giant cell tumor of the pelvis and spine: single institution experience. Tararykova
ID 358 Diosgenin exerts its tumor suppressive function via inhibition of Cdc20 in osteosarcoma cells Long C
ID 338 Giant cell tumor of bone with cartilage matrix: A clinicopathological study of 18 cases Brcic
ID:419 Protein c-Myb in osteosarcoma – experimental research and retrospective study Adamkova

Quality of life	
Moderator: Scoccianti, Pérez-Muñoz	
ID 22	Generation Y in Surgery – War for Talent in Times of Talent Shortage Schneider K
ID 169	Comparative analysis of quality of life in patients with spine metastases before and after surgical treatment Usmanova E
ID 132	Comparative results of segmental resection versus radical resection in patients with myxofibrosarcoma of the limbs Iordache S
ID 372	Using means of transport and walking aids after treatment for primary malignant bone tumors in the lower extremity - A mining follow-up of 20 years Hofer C
ID 214	Early Outcomes in Modular Prostheses of the knee and Physical Recovery Iacobescu G
ID 73	Recovery of Function after Arthrodesis Reversal to a Hinged TKA Albert G
ID 83	Ankle Valgus Deformity in Skeletally Immature Hereditary Multiple Exostoses Aycan O
ID 26	Gorham-Stout Disease – Diagnosis, Treatment and Quality of Life

Schneider K	
ID 296	
An Orthoplastics Approach to Extremity Reconstruction Following Oncologic Resection Decreases Number of Return Trips to Operating Room	
Thomson J	
Interesting cases 2	
Moderator: Jagodic, Scheipl	
ID 550	Tenosynovial giant cell tumor of the knee joint - Rapid progression in diffuse subtype - A case report Steiner
ID 480	Rapidly Acquired Valgus Deformity After Resection of Osteochondroma: A Report of Two Cases Belzarena
ID 447	Treatment options for aneurysmal bone cyst of the foot: a series of 10 cases Deventer
ID 451	Custom-made endoprosthetic replacement of the distal ulna after resection of giant cell tumor of bone: a case-report Engel
ID 429	Osteofibrous dysplasia-like Adamantinoma of the tibia progressing into Adamantinoma after 36 years. Considerations regarding the management between careful observation and early aggressive therapy Exner
ID 530	Ankle Arthrodesis Nail combined with Locking Compression Plate to stabilize two-level pathologic tibial fractures caused by multiple myeloma Exner
ID 423	Melorheostosis – A potential diagnostic pitfall mimicking malignant lesion Kaufmann-Bühler
ID 549	Surgical treatment and review of literature Mani

Training Day

>> Room 3

09:00 – 10:30

Session 1: Training Day - Soft Tissue Sarcoma: From MRI to Radiotherapy

Moderator: **Funovics**

Liegl-Atzwanger

09:00-09:15	Radiology Soft tissue tumors (15 min) Nöbauer-Huhmann
09:15-09:30	Pathology soft tissue sarcomas (15 min) Liegl-Atzwanger
09:30-09:45	Surgery 1: Soft tissue sarcoma resection: tips & tricks Bergovec
09:45-10:00	Oncology 1: Soft tissue sarcoma Szkandera
10:00-10:15	Radiotherapy: Current treatment options for soft tissue sarcomas Haas
10:15-10:30	Discussion (15 min)

Coffee break 10.30 - 11.00

11:00 - 12:30

Session 2: Training Day - Interactive cases soft tissue - AMSOS meets EMSOS

Moderator: **Scheipl**

Andreou

11:00-11:30	Cases Innsbruck: <ul style="list-style-type: none"> • Soft tissue sarcoma lower extremity • Atypical lipomatous tumor Thaler
11:30-12:00	Cases Vienna <ul style="list-style-type: none"> • Soft tissue sarcoma upper extremity • Diffuse-type of giant cell tumor of the tendon sheath Hobusch, Amann, Nöbauer

12:00-12:30 Cases Poland

- Pelvic bone sarcoma
- Unkown primary bone metastasis in the younger patient

Kotrych

Medauston

- Cases?

Georg

Lunch 12.30 - 13.30

13:30 - 15:00
Session 3: Training Day - Bone Sarcoma: From x-ray to resection

Moderator: Antal

Ranner

13:30-13:45 Radiology: Bone tumors
Igrec

13:45-14:00 Pathology: Bone tumors
Forsyth

14:00-14:15 Oncology 2: Bone sarcoma
Brodowicz

14:15-14:30 Surgery 2: Bone sarcoma resections: tips & tricks
Ruggieri

14:30-14:45 Bone reconstruction with megaprotheses: tipps and tricks
Streitbürger

14:45-15:00 **Discussion**

Coffee break 15.00 - 15.30

15:30-17:00
Session 4: Training Day - Interactive cases bone Central Europe meets EMSOS

Moderator: Bergovec

Dürr

15:30-15:50 Cases Hungary

- Morbus Ollier disease
- Giant cell tumor of bone

Antal

15:50-16:10 Cases Slovenia

- Simple bone cyst with difficult presentation
- Fibrous dysplasia

Mavcic, Martincic

- 16:10-16:30 Cases Czechia
- Pediatric osteosarcoma distal femur (Mudry: first speaker)
 - Aneurysmal bone cyst (Tomas, Tomas: first speaker)

Mudry
Tomas

- 16:30 -16:50 Cases Graz
- Desmoid tumor
 - Pediatric soft tissue sarcoma
- Friesenbichler (first), Seidel, Brcic**
-

16:50 - 17:00 **Discussion (10 min)**
