

IS LS 2026

International Society Of Limb Salvage

23rd

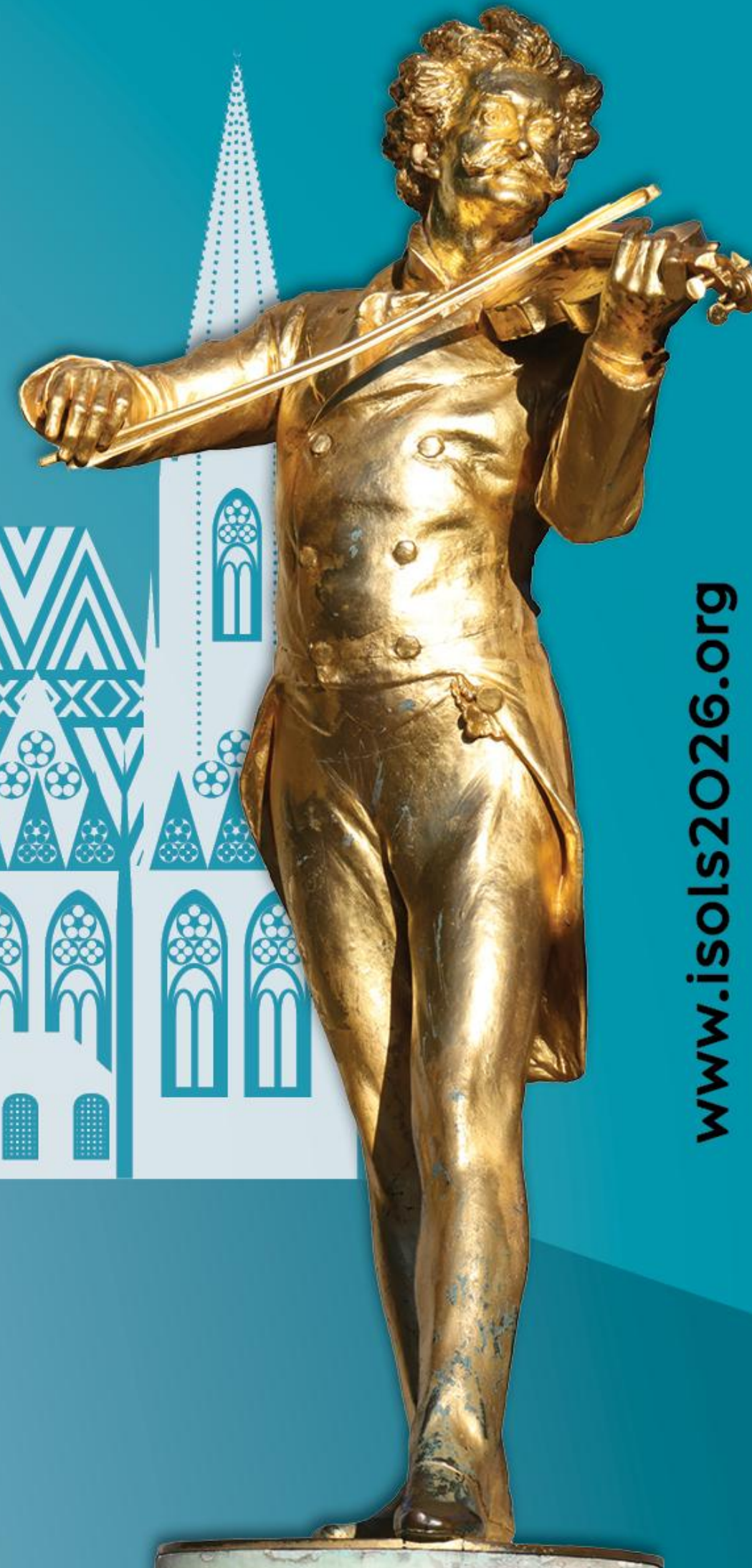
**General Meeting of
the International
Society of
Limb Salvage**

23-26 September

VIECON – Vienna Congress and Convention Center
Vienna – Austria

*Detailed
Scientific Program*

(updated on September 18, 2026)



www.isols2026.org

Wednesday, September 23, 2026

ISOLS Young Surgeons: Chondrosarcoma Attendance is restricted to registered participants only			Musculoskeletal Tumour Surgery for Surgeons from Developing Countries		
Stolz 1 Hall			Schubert Hall		
07:30 - 17:00	Registration		07:30 - 08:15	Registration	
08:20 - 08:30	Maria Anna Smolle (Austria): Welcome				
08:30 - 10:30	Session 0.1: Basics (Radiology, Pathology, Surgery) Chairs: Nina Myline Engel (Germany) - Mariel Spense (Argentina)				
	08:30	Introduction (by chairs)	08:15-08:30 Francisco Linares (Colombia): Welcome Chair 1st session		
	08:35	Lizz van der Heijden (The Netherlands) [Junior], Michiel van de Sande (The Netherlands) [Senior]: Quiz at beginning (Junior presenters with questions by seniors)	08:30-09:00 Duncan Whitwell (United Kingdom): Introduction, Aetiology of sarcomas, Basic Principles, clinical presentation		
	08:55	Jendrik Hardes (Germany) [Senior]: Basic Radiology of Cartilaginous Tumours	09:00-09:15 Muhammad Ather Siddiqi (United Kingdom): Establishing an MDT: experiences from Pakistan		
	09:20	Eric Staals (Italy) [Senior]: Basic classification of benign/intermediate cartilaginous tumours and chondrosarcoma	09:15-09:30 Reshwin Rajan (Fiji): Late presentations in a resource limited setting		
	09:45	Minna Laitinen (Finland) [Senior]: Basic surgical techniques of cartilaginous tumours - Curettage, adjuvants, resection	09:30-09:50 Duncan Whitwell (United Kingdom): Staging of musculoskeletal tumours		
	10:10	Christoph Hofer (Austria) [Junior], Humaid Al Farii (Oman) [Experienced Junior]: Quiz after basic sessions	09:50-10:10 Zeeshan Khan (Pakistan): Principles of biopsy		
10:30 - 11:00	Coffee break		10:10-10:30	Muhammad Ather Siddiqi (United Kingdom): Imaging of bone and soft tissue tumours	
10:30 - 11:00	Coffee break				
11:00 - 13:00	Session 0.2: Advanced Surgery Chairs: Rishi Agarwal (India) - Haijie Liang (China)		11:00-11:15 Valerae O. Lewis (United States): Chair 2nd session & Surgical margins		
	11:00	Introduction (by chairs)	11:15-11:35 Duncan Whitwell (United Kingdom): Amputation v limb salvage		
	11:05	Juan Pablo Zumárraga (Ecuador) [Senior]: Multimodal treatment concepts - Which lesions should undergo active surveillance? Is chemotherapy an option?	11:35-11:55 Justin Bird (United States): Orthopaedic Oncology in a resource limited practice in Liberia		
	11:30	Ajay Puri (India) [Senior]: Biological reconstructions – Effective and Durable!	11:55-12:15 Zeeshan Khan (Pakistan): Infection in the differential diagnosis of sarcoma		
	11:55	Odion Binitie (United States) [Senior]: Advanced surgical techniques - Endoprosthetic reconstruction	12:15-12:30 Muhammad Ather Siddiqi (United Kingdom): Skeletal metastases		
	12:20	Wei Guo (China) [Senior]: Advanced surgical techniques - Pelvic chondrosarcomas	12:30-13:00 Faculty		
	12:45	Alexander Lazarides (United States) [Junior], Steven Thorpe (United States) [Experienced Junior]: Poll about cases	Case discussions		
13:00 - 13:45	Lunch Break		13:00 - 13:45	Intermission	
13:45 - 15:45	Hands-On Workshop (Stolz 2 Hall)				
15:45 - 17:00	Session 0.3: Difficult cases Chair: Maria Anna Smolle (Austria)		13:45-14:00 Peter Steadman (Australia): Chair 3rd session & Soft tissue sarcomas		
	15:45	Introduction by chairs	14:00-14:30 Lee Jeys (United Kingdom): Cartilage tumour conundrums		
	15:50	Takuto Itano (Japan) [Junior], Shintaro Iwata (Japan) [Senior]: Presentation of difficult cases (1)	14:30-14:45 Muhammad Ather Siddiqi (United Kingdom): Multidisciplinary bone tumour management		
	16:25	Philip Rowell (Australia) [Junior], Scott Sommerville (Australia) [Senior]: Presentation of difficult cases (2)	14:45-15:15 Duncan Whitwell (United Kingdom): Case examples all faculty		
17:00	ISOLS Young Surgeons Networking Event		15:15-15:45 Break		
			15:45-16:15 Duncan Whitwell (United Kingdom): Chair 4th session & A team approach to abdominal sarcoma surgery		
			16:15-16:30 Juan Pablo Zumárraga (Ecuador): Access to adjuvant chemical physical therapies in a middle-income country		
			16:30-16:45 Francisco Linares (Colombia): Resource restrictions and Sarcoma management		
			16:45-17:30 Faculty Strategies to develop a specialist sarcoma service with limited resources		

Time/Hall	Lehar Hall		Stolz 1 Hall	Stolz 2 Hall	Schubert Hall	Poster Area	
08:00-08:45	Session 1.1: Infections I		Meet the Professors (Cases)	Session 3.1: Ultra Long-Term Outcomes of Megaprostheses	Session 4.1: Benign Bone Cysts	Poster Session I (Detailed list pages 18-28)	
	Chairs: Michelle Ghert (United States) - Suraj Hindiskere (India)		Speaker: Marisa Valentini (Austria)	Chairs: Nicola Fabbri (United States) - Saminathan Suresh Nathan (Singapore)	Chairs: Dimosthenis Andreou (Germany) - Emmy Nyqvist (Sweden)	Basic Science I Chairs: Mauricio Etchebehere (Brazil) – Julia von der Linden (Austria)	
	8:00	802	Introductory lecture Vikas Bachhal (India): Prospective randomized trial of Closed-incision Negative Pressure Wound Therapy (ciNPWT) vs conventional dressing in endoprosthetic knee reconstructions: Wound healing and complication outcomes	8:00	481	Introductory lecture Yongsung Kim (South Korea): What are the Prosthesis Survival and Modes of Failure of a Single Modular Tumor Endoprostheses? A 15-Year Retrospective Analysis of 409 Reconstructions from East Asia	Biological Reconstructions I Chairs: Humaid Al Farii (Oman) - Elisa Pala (Italy)
	8:10	22	Sadegh Saberi (Iran): Extensor Mechanism Complications in Knee Tumor Resection and Reconstruction using a Modular Endoprosthetic System: A Retrospective Analysis	8:10	390	Alex Hayden (United States): High Incidence of Re-Revision of Aseptically Revised Femoral Endoprostheses Placed for Oncologic Indications: A Competing Risk Analysis	Bone Sarcoma I Chairs: Patricio Alfaro (Chile) – Zeeshan Khan (Pakistan)
	8:13	23	Seyyed Saeed Khabiri (Iran): Debridement, Antibiotics, and Implant Retention (DAIR) for Periprosthetic Infections in Tumor Megaprostheses: A Critical Review of Patient Selection, Outcomes and Technical protocols	8:13	589	Dyuti Deepta Rano (India): Midterm Functional and Gait Outcomes following Proximal Femoral Bipolar Megaprosthetic Reconstruction	Bone Sarcoma II Chairs: Philip Rowell (Australia) - Christian Pauritsch (Austria)
	8:16	82	Felipe Murad (Argentina): Risk factors and management options for infections after reconstruction with massive bone allografts	8:16	785	Haolong Li (China): Oncological Outcomes and Endoprosthetic Survival following Surgery for Osteosarcoma around the Knee: A Retrospective Cohort Study with Failure Mode Analysis	Infections I Chairs: Mariel Spense (Argentina) - Eric Mascard (France)
	8:19		Discussion	8:19		Discussion	Pelvic Reconstructions I Chairs: Miguel San Julián Aranguren (Spain) - Arianna Rizzo (Italy)
	8:27	387	Sjors Van De Vusse (The Netherlands): Non-Expandable Megaprosthetic Reconstruction after Tumour Resection in Children, Adolescents and Young Adults	8:27	933	Panayiotis Gavriil (Greece): Proximal Tibial Megaprosthetic Reconstruction For Bone Tumors: 20-Year Outcomes In 39 Patients	Soft Tissue Sarcomas I Chairs: Nadine Williams (United States) - Maria Anna Smolle (Austria)
	8:30	815	Maria Antonia Gomez-Sierra (Canada): A Stem-Retaining Two-Stage Strategy for Chronic Periprosthetic Joint Infection in Oncologic Megaprosthetic Reconstruction: Long-Term Outcomes	8:30	972	Markus Hanna (Austria): Improvement of Abductor Fixation Methods Affect Dislocation and Gait After Proximal Femur Replacement for Oncologic Indications – A Single-Center Cohort Study	
	8:33	728	Claudia Di Bella (Australia): Outcomes of Proximal Femoral Replacement for Oncologic Indications in Australia	8:33	988	Panayiotis J. Papagelopoulos (Greece): Implant survival and risk factors for failure after proximal femoral replacement	
	8:36	490	Levent Eralp (Turkey): Infection Control and Limb Salvage with Silver-Coated Megaprostheses: A Case Series	8:36	35	Maria Anna Smolle (Austria): Changes in incidence and survival of patients with bone and soft tissue sarcomas across Austria over 4 decades.	
8:39		Discussion	8:39		Discussion		
08:45-09:00	Morning break						

Time/Hall	Lehar Hall	Stolz 1 Hall	Stolz 2 Hall	Schubert Hall	Congress Lounge
09:00-10:30	Session 1.2: Megaprostheses: Bigger, better, stronger? Chairs: Panayiotis J. Papagelopoulos (Greece) - Thomas Schubert (Belgium)	Session 2.1: Imaging Techniques Chairs: Ilkyu Han (South Korea) - Bernadette Liegl-Atzwanger (Austria)	Session 3.2: Soft Tissue Sarcomas I Chairs: Lester Chan (Singapore) - Daniel A. Müller (Switzerland)	Session 4.2: PROMS & Coping Chairs: Shea Byrne (United Kingdom) - Shintaro Iwata (Japan)	Mixed Reality Symposium & Hands-On Workshop: The Next Frontier in Precision Orthopedic Oncology Admission is strictly limited to 30 registered participants. <i>Organized by the ISOLS Engineering group on Mixed Reality</i> Program <i>(Tentative/Subject to changes)</i> 09:00 – 09:35 <i>Welcome</i> K.C. Wong (China) <i>Experience sharing</i> Juan Barriga (Canada), Ather Siddiqi (United Kingdom), Wei-Hsin Lin (Taiwan) Q&A 09:35 – 10:30 Hands-on Workshop <i>Participants in two groups (each group with two Magic Leap 2 MR headsets and one iPad)</i> <i>Mixed reality visualization and interaction of 3D Holograms</i> <i>MR as spectator with MR headset / iPad</i> <i>MR tracking with 3D-printed physical models (demo/practice if time allows)</i>
	09:00 William Aston (United Kingdom): Should HA collars be the standard in megaprosthetic replacement?	09:00 G. Douglas Letson (United States): Unmasking sarcomas. When do we biopsy?	09:00 Introductory lecture Joanna Szkandera (Austria): Systemic therapies for advanced soft tissue sarcomas – New drugs, new hope?	09:00 467 Introductory lecture Lee Zuckerman (United States): Evaluation of Burnout, Moral Distress and Moral Injury in Musculoskeletal Oncology Physicians	
	09:10 Koichi Ogura (Japan): Long-term complications and reoperations following distal femoral replacement	09:10 Iris Nöbauer (Austria): Gold-standard in imaging of soft tissue tumours in adults	09:10 49 Hans Roland Dürr (Germany): Soft tissue sarcomas with fibromyxoid or fibromyoblastic differentiation	09:10 65 Marisa Valentini (Austria): Total femur replacement: function, quality of life and gait. A multicentric EMSOS Study	
	09:20 Lizz van der Heijden (The Netherlands): Paediatric patients: cemented vs. non-cemented megaprostheses?	09:20 Jasminka Igrec (Austria): Role of perfusion-weighted MRI in assessment of treatment response	09:13 55 Michelle Ghert (United States): The Surveillance After Extremity Tumor Surgery (SAFETY) International Multi-Center Randomized Controlled Trial	09:13 273 Eric R. Lovin (Indonesia): Functional Outcomes following Prolene Mesh Augmentation in Proximal Humerus and Femur Resection Arthroplasty: A Single-Center Retrospective Cohort Study	
	09:30 Michael Parry (United Kingdom): Ultra long-term outcomes of patients with cemented megaprostheses	09:30 Dimosthenis Andreou (Germany): STS: Imaging, Histology and Therapy: the 10 most important CCS2026 findings	09:16 63 Samar Mousa (United Kingdom): Standardising Care in Soft Tissue Sarcoma Clinics: A Retrospective Review and Protocol Development	09:16 299 Nathan Donaldson (United States): How is Opioid Utilization Associated with Quality of Life Outcomes in Pediatric Sarcoma Patients?	
	09:40 Eric Staals (Italy): Long term outcomes of patients with growing prostheses	09:40 Frank Traub (Germany): Intraoperative fluorescence-guided surgery for treatment of sarcomas	09:19 76 Vivek Ajit Singh (Malaysia): Validation of the PERSARC Scoring System for Overall Survival in Malaysian Patients with High-Grade Extremity Soft Tissue Sarcoma: A Retrospective Cohort Study	09:19 335 Youngkeun Lee (South Korea): Association Between Flap Reconstruction and Patient-Reported Outcomes Following Soft Tissue Sarcoma Excision: A Propensity Score-Matched Analysis	
	09:50 Francis John Hornicek (United States): Which innovations do we need to lower the risk of mechanical failure?		09:22 Discussion	09:22 Discussion	
	DEBATE 1: Do we need a new ISOLS implant failure classification (Live Voting)	Oral Presenations	09:30 93 Taewook Kim (South Korea): Does Age Matter? Older Age Is Associated With Aggressive MRI Features and Worse Cancer-Specific Survival in Myxofibrosarcoma and Undifferentiated Pleomorphic Sarcoma	09:30 367 Shea Byrne (United Kingdom): Functional Recovery and Quality of Life Following Pelvic and Lower Limb Osteosarcoma Surgery: A Two-Year ICONIC Cohort Study	
	10:00 Emmy Nyqvist (Sweden): Great expectations, how can we know what the future will hold?	09:50 289 Xiaobo Yan (China): Imaging Features and Clinical Treatment Decisions of Osteoid Osteoma in Long Bones of the Limbs	09:33 975 Markus Hanna (Austria): Predictors of Major Wound-Healing Disorders After Limb-Salvage Resection of Lower-Extremity Soft Tissue Sarcoma: A Retrospective Cohort Study	09:33 369 Charles Abraham Villamin (Philippines): Translation and Validation of the Filipino Version of Musculoskeletal Tumor Society (MSTS-PH) Score for Lower Extremity Sarcomas	
	10:07 Eric Henderson (United States): What's in a name? That which we call a failure...	09:53 404 Kan Ito (Japan): Radiological and Clinical Outcomes of Bone Metastases Treated with Immune Checkpoint Inhibitors: A Retrospective Study	09:36 280 Jorge Gómez-Álvarez (Spain): Validation of a Novel Set of Dosimetric Constraints in Patients with Soft Tissue Sarcomas of the Extremities and the Superficial Trunk Treated with Surgery, Perioperative HDR Brachytherapy and External Beam Irradiation	09:36 448 Kunihiro Ikuta (Japan): Megaprosthesis Replacement around the Knee for Primary Bone Tumors: Implant Survival and Functional Outcomes in Pediatric and AYA Patients	
	10:14 Discussion	09:56 421 Brandon Gettleman (United States): Age-Stratified Imaging Selection in Langerhans Cell Histiocytosis: A Clinical Decision Algorithm Balancing Diagnostic Accuracy with Cost and Radiation Exposure	09:39 339 Yuan Liu (China): Enhancing Prognostic Precision: Exploring the Role of Lung Immune Prognostic Index in Immunotherapy-Treated Soft Tissue Sarcoma Patients—A Retrospective Study	09:39 521 Shalin S. Patel (United States): Financial Toxicity in Patients with Resected Localized Primary Sarcoma of the Extremities	
		09:59 484 Siyi Huang (China): 3D Epiphyseal Cartilage Reconstruction Method using Cartilage CT Values for Customized Pediatric Implants	09:42 Discussion	09:42 Discussion	
		10:02 533 Caleb Cummings (United States): Bone Marrow Edema Independently Predicts Dedifferentiated Chondrosarcoma among Intramedullary Chondrosarcomas of the Extremities	09:50 463 Teodora Todorova (North Macedonia): Does Residual Tumor Matter? Prognostic Impact of Re-resection Following Unplanned Excision of Soft Tissue Sarcomas	09:50 590 Alexander Iwasyk (Canada): Characterizing Longitudinal Trends in Free-living Patient Mobility and Patient-reported Outcomes for Surgically Managed Metastatic Bone Disease using a Novel Smartphone-application for Remote Patient Monitoring	
		10:05 627 Osman Emre Aycan (Turkey): Assessment of Radiological and Clinical Follow-up Strategies for Intrathoracic Osteochondromas in Hereditary Multiple Osteochondromas Patients	09:53 511 Ioannis Trikoupis (Greece): What Factors influence Survival Outcomes and Local Recurrence in Patients with Malignant Peripheral Nerve Sheath Tumors? A 34-year Single-institutional Analysis	09:53 649 Evrin Sirin (Turkey): Divergence between Physical Recovery and Mental Deterioration in Osteosarcoma: A Longitudinal Psychological Analysis	
		10:08 654 Abdulrahman Bobseit (Saudi Arabia): MRI is Accurate in Planning of Bone Sarcoma Surgery. Comparison with Histopathology in 236 Cases	09:56 561 Kit Moran (Canada): Complications of Prophylactic Intervention for Radiation-associated Fractures after Soft Tissue Sarcoma Resection	09:56 695 Mohammad Arafah (Saudi Arabia): The Ray Challenge: How many Ray Resections can Patients Tolerate and which Ray Resections affects Functional Outcome the most in Orthopedic Oncology?	
		10:11 939 Megan Badejo (United States): Prospective Validation of Intraoperative ICGA Perfusion Thresholds for Predicting Wound Complications Following Resection of Preoperatively Irradiated Soft Tissue Sarcoma	09:59 699 Mikaela Sullivan (United States): Sarcoma Resection Guided by Intraoperative Indocyanine Green Dye Fluorescence Angiography	09:59 711 Santiago Lozano-Calderón (United States): Patient Perspectives on Recovery and Satisfaction after Hemipelvectomy for Pelvic Tumors	
		10:15 Discussion	10:02 Discussion	10:02 Discussion	
			10:10 758 Junqiang Yin (China): Sandwich Isolation Surgery in Local Recurrence Control of Extremity Low-grade Liposarcoma: An Ambispective Cohort Study	10:10 819 Krista Goulding (United States): Patient-Generated Domains of Recovery in Soft Tissue Sarcoma: A Longitudinal Analysis Using the Patient-Generated Index	
			10:13 825 Jonathan Forsberg (United States): Estimating the likelihood of survival and metastasis in patients with soft tissue sarcomas using a dense convolutional neural network	10:13 832 Bianca Nash-Smith (Australia): Biopsychosocial experiences and needs of adults with sarcoma: a systematic review and meta-synthesis	
			10:16 942 Hakan Koray Tosyali (Turkey): Prognostic Factors Affecting Survival and Functional Outcomes in Patients with Soft Tissue Sarcoma Undergoing R0 Resection	10:16 940 Sarah Freund (Denmark): Cross-cultural validation of PROMIS Cancer Physical Function and Pain Interference in Sarcoma Patients from Denmark and India	
			10:19 198 Guido Scoccianti (Italy): Extrapleural Solitary Fibrous Tumor: A Comparison in Efficacy between Demicco and G-score Prognostic Classifications	10:19 966 Christoph Hofer (Austria): Long-Term Deformities, Function, and Quality of Life after Pediatric Pelvic Sarcoma Surgery	
			10:19 Discussion	10:22 Discussion	

Time/Hall	Lehar Hall		Stolz 1 Hall		Stolz 2 Hall		Schubert Hall	
10:30-11:00	Coffee break							
11:00-12:30	Session 1.3: Infections II		Session 2.2: Robotics – AI – Virtual surgery		Session 3.3: From the Operating Theatre to Histopathology		Session 4.3: Challenges in Sarcoma Management	
	Chairs: Philipp Funovics (Austria) - Minna Laitinen (Finland)		Chairs: Muhammad Ather Siddiqi (United Kingdom) - Francisco Linares (Colombia)		Chairs: Scott Sommerville (Australia) - Raymond Yau (China)		Chairs: Will Aston (United Kingdom) - Paul Jutte (The Netherlands)	
	11:00	Michelle Ghert (Canada): Should PARITY change our practice?	11:00	Juan Pablo Zumárraga (Ecuador): How Artificial Intelligence and Mixed Reality have changed my planning and patient Education	11:00	Introductory lecture Bernadette Liegl-Atzwanger (Austria): The clinical implication of novel sarcoma variants	11:00	648 Introductory lecture Kumaran Rasappan (Singapore): Can we Quantify a Safe Margin to Reduce Local Recurrence in Parosteal Osteosarcomas around the Distal Femur?
	11:10	Andrea Sambri (Italy): Role of two-stage revision for infected megaprotheses	11:15	Muhammad Ather Siddiqi (United Kingdom): MR an invaluable tool for surgical proctorship	11:10	535 Thomas Evans (United States): Do Tissue-specific Margins Influence Outcomes after Negative Resection in Chondrosarcoma?	11:10	89 İbrahim Halil Demir (Turkey): A comparative analysis of bone and soft tissue hydatid disease: A retrospective cohort study
	11:20	Vineet John Kurisunkal (United Kingdom): The 10 most important BOOM findings on infections in oncology	11:30	Kwok Chuen Wong (China): Mixed Reality as spatial computing in orthopedic oncology (live demo)	11:13	200 Jean-Camille Mattei (France): Adamantinoma: Multicentric Study from the French Sarcoma Group	11:13	121 Masato Fumoto (Japan): Temporary Pubectomy - A Safe Method to Expand Surgical Space for Resection of Large Intrapelvic Tumors: Report of Two Cases
	DEBATE 2: Do we dare to DAIR? (Live Voting)		11:45	Manish Agarwal (India): AI for segmentation and planning for 3D printed guides	11:16	274 Dimosthenis Andreou (Germany): Does the Distance to the Bony Resection Margin Affect the Local Recurrence Probability in Ewing Sarcoma? A Retrospective Analysis of Data from the EURO-E.W.I.N.G.-99 Trial	11:16	146 Francisco Principe (Argentina): Massive Bone Allograft Use in Children Under 10 Years Old
	11:30	Philipp Funovics (Austria): Case & 1 st live voting	12:00	Didactic lectures and live demo	11:19	95 Tingting Ren (China): Tertiary Lymphoid Structures Predict Prognosis and Immune Landscape in Osteosarcoma: A Machine Learning-Based Transcriptomic Study	11:19	296 Hüseyin Yusuf Yildiz (Turkey): Intramedullary Nailing for Subtrochanteric Lesions in Patients with Multiple Metastatic Bone Disease: A Retrospective Cohort and Finite Element Analysis
	11:35	Santiago Lozano-Calderón (United States): Do we dare to DAIR? - Yes!			11:22	Discussion	11:22	Discussion
	11:42	Jendrik Hardes (Germany): Do we dare to DAIR? - No!			11:30	174 Lu Xie (China): sB7-H3 as a Prognostic Biomarker in Osteosarcoma: Insights into Clinical Outcomes	11:30	304 Minxun Lu (China): Uncemented Slotted Stem vs. Short Stem for Endoprosthetic Reconstruction in Pediatric Bone Tumor Patients: A Retrospective Analysis of Prosthetic Performance and Functional Outcomes
	11:49	2 nd live voting & Discussion			11:33	540 Brandon Gettleman (United States): EWSR1-FLI1-Associated Cohesin and DNA Damage Response Dependencies Identified by Pan-Cancer CRISPR Profiling in Ewing Sarcoma	11:33	998 Mahmoud Smida (Tunisia): Revascularization of non-vascularized bone autograft by preserved periosteum after resection of high-grade malignant bone tumors in children—a new biological reconstruction technique. Surgical video
Oral Presentations				11:36	596 Xingyu Liu (China): Age-stratified Transcriptomic Profiling reveals Distinct Molecular Phenotypes and a Pediatric Prognostic Signature in Osteosarcoma	11:36	256 Jong Woong Park (South Korea): Strategic Integration of Patient-Specific 3D-Printed Components with Conventional Modular Systems for Joint-Preserving Limb Salvage	
12:00	64 Marisa Valentini (Austria): Which Factors Associate with Implant Revision and Hip Disarticulation After Total Femur Replacement? A Retrospective Multicentric EMSOS Study			11:39	Discussion	11:39	353 Minxun Lu (China): 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 Distal Femur	
12:05	685 Gerhard Maale (United States): NexGen Sequencing (NGS) is more Accurate than Culture and Sensitivity (CS) in PJI			11:47	797 Robert Satcher (United States): BIGH3 mediates osteocyte regulation and osteoclast activity in renal cell carcinoma bone metastasis	11:42	Discussion	
12:10	932 Panayiotis Gavriil (Greece): Diagnostic Accuracy of Synovial Calprotectin in Megaprosthentic Reconstructions: A Prospective Cohort Study from a Tertiary Sarcoma Center			11:50	727 Angela Mercurio (United States): Long Term Outcomes of Ewing Sarcoma of the Foot and Ankle	11:50	964 Nicola Ratto (Italy): Radiomic Biomarkers from MRI for Predicting Chemotherapy Response in Synovial Sarcoma: A Retrospective Single-Center Study	
12:15	787 Yusuf Mustaf Ahmed Ibrahim (Denmark): Infection after Endoprosthetic Reconstruction in Orthopedic Oncologic Conditions: A Multicenter Scandinavian Cohort Study			11:53	910 Giuseppe Francesco Papalia (Italy): Accuracy of preoperative biopsy in identifying definitive histology in malignant chondroid tumours	11:53	941 Ademide Young (United States): Compressive Osseointegration Distal Femur Endoprostheses: Survivorship and Patient Reported Functional Outcomes at Minimum 10-year Follow-up	
12:20	480 Gerhard Maale (United States): Results of the First 700 Patients treated with a One-stage Revision for PJI			11:56	915 Anand Raja (India): The Limited Clinical Utility of Routine Intraoperative Marrow Squash Smears in Long Bone Sarcoma Resections	11:56	565 Francis Lee (United States): Which Patients Require Urgent Stabilization of Periacetabular Metastases? Biomechanical, Clinical and Radiographical Risk Factors for Progression to Pathological Protrusio	
12:25	Discussion			11:59	Discussion	11:59	955 Domenico Andrea Campanacci (Italy): Limb salvage surgery for soft tissue sarcomas. The outcomes of 34 vascular by-passes.	
				12:07	710 Pablo Patino (United States): Venous Thromboembolism (VTE) in Patients with Metastatic Bone Disease versus Malignant Primary Bone or Soft Tissue Tumors	12:02	Discussion	
				12:10	863 Jinchang Lu (China): Cross-species genomic analysis identifies the histone lysine methyltransferase NSD3 as a driver of osteosarcoma	12:10	140 Qiyuan Bao (China): Response-Adapted Preoperative Surveillance is Associated with Long-term Outcomes after Pulmonary Metastasectomy in Osteosarcoma: A 22-year High-volume Cohort Study	
				12:13	382 Sreeraj Rajan (United Kingdom): Oncological Outcomes of High Grade Soft Tissue Sarcomas Presenting with Bone Invasion	12:13	119 Tsukasa Mizuno (Japan): Utility of Artificial Intelligence for the Histopathological Diagnosis of Cartilaginous Tumors	
				12:16	388 Odion Binitie (United States): To Stage or Not to Stage? A Multi-Institutional Review of Staged Resection with Temporizing VAC on Soft Tissue Sarcoma and Local Recurrence Rates	12:16	929 Thomas Evans (United States): Why does pelvic chondrosarcoma recur more often? The role of margins, grade, and complications	
				12:19	Discussion	12:19	950 Thomas Evans (United States): The prognostic impact of pathologic fracture in chondrosarcoma of the long bones: independent prediction of local recurrence	
						12:22	Discussion	

Time/Hall	Lehar Hall	Stolz 1 Hall	Stolz 2 Hall	Schubert Hall																																																																																																															
12:30 - 13:20	Industry Lunch Symposium 1 More information here .	Lunch Break																																																																																																																	
13:30 - 14:30	Opening Ceremony Chairs: Pietro Ruggieri (Italy) - Gerhard Hobusch (Austria)																																																																																																																		
	13:30 Vienna Boys Choir																																																																																																																		
	13:35 Peter Steadman, Andreas Leithner, Philipp Funovics, Gerhard Hobusch, Maria Anna Smolle: Welcome to Vienna																																																																																																																		
	13:40 Vienna Boys Choir																																																																																																																		
	14:00 Philipp Funovics (Austria): Introduction																																																																																																																		
	14:05 Reinhard Windhager (Austria): Vienna - Moments of Music and Medicine																																																																																																																		
	14:25 Closure & Change of Rooms																																																																																																																		
14:30 - 15:30	Session 1.4: Engineering Chairs: Peter Steadman (Australia) - Paul Unwin (United Kingdom)	Session 2.3: PROMS Chairs: Gerhard Hobusch (Austria) - Shalin S. Patel (United States)	Session 3.4: Osteosarcoma Chairs: Mark C. Gebhardt (United States) - Daniel Kotrych (Poland)	Session 4.4: Artificial Intelligence and Robotics Chairs: Eric Henderson (United States) – Adyb-Adrian Khal (Romania)																																																																																																															
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16:00-17:30	Session 1.5: Protons, Ions, Carbons Chairs: Xiaohui Niu (China) - Susanne Scheipl (Austria)			Session 2.4: Worst case ever - How we escaped (or not) Chairs: Juan Pablo Zumárraga (Ecuador) - Krista Goulding (United States)			Session 3.5: Novel Therapeutics Chairs: Cătălin Cirstoiu (Romania) - Tomas Tomas (Czech Republic)			Session 4.5: Paediatric Patients Chairs: Matthew Houdek (United States) - Eric Staals (Italy)		
	16:00		Reiko Imai (Japan): The Role of Carbon Ion Radiotherapy in the Management of Bone and Soft Tissue Sarcomas	Educational Committee Peter Choong (Australia) Mark C. Gebhardt (United States) Manish Agarwal (India) Reynaldo Jesus-Garcia (Brazil) Valerae O. Lewis (United States) Case based presentation and discussion of complicated cases/complications			16:00		Introductory lecture Saminathan Suresh Nathan (Singapore): Emerging systemic therapies for bone and soft tissue sarcomas	16:00	781	Introductory Lecture Rebecca O’Keeffe (United Kingdom): Reaching Skeletal Maturity: Surgical Outcomes and Failure Patterns of the Juvenile Tumour System Non-invasive Extendible Implants for Paediatric Extremity Bone Tumours
	16:10		Piero Fossati (Austria): Updates from the SACRO study				16:10	326	Jonathan Stevenson (United Kingdom): An Introduction to the PORTRAIT Trial, a Multi-centre, Two-arm, Parallel-group Randomised Controlled Trial of Post-operative Radiotherapy in Surgically Treated Bone Metastases	16:10	167	Minna Laitinen (Finland): Proximal Humerus Bone Sarcomas in Pediatric Patients Under 16 Years: A Retrospective Analysis of Surgical Results and Complications
	16:20		Burkhard Lehner (Germany): Intraoperative radiotherapy for STS - Indications and limitations				16:13	231	Ran Wei (China): Using Percutaneous Combined Cryo-thermal Ablation for Bone Metastases: Preliminary Results from a Single Center	16:13	173	Khalil Farooque (Pakistan): Limb Salvage Using Non-Expandable Endoprostheses in Skeletally Immature Patients with Sarcoma: A Retrospective Analysis
	DEBATE 3: The chemo wars in STS: Friend, foe or futile? (Live Voting)						16:16	264	Xiaodong Tang (China): Preliminary Report on Intraoperative Near-Infrared (NIR) Imaging Guided Curettage for Sacral Giant Cell Tumors	16:16	185	Han Wang (China): Risk Factors for Stiff Knee Following Mega-Prosthetic Replacement for Malignant Tumors Around the Knee
	16:30		Karoline Schwarz (Austria): Case & 1 st Live Voting				16:19	281	Binghao Li (China): Efficacy and Safety of Vebretinib in Advanced Clear Cell Sarcoma (VEBrant): A Multicenter, Phase II Study	16:19	235	Costantino Errani (Italy): Complications and Reconstruction Survival of Distal Femur Expandable Prostheses in Children with Primary Bone Tumors
	16:35		Jay Wunder (Canada): The chemo wars in STS: Friend, foe or futile? - Futile!	16:22		Discussion	16:22		Discussion	16:30	923	Nicola Ratto (Italy): Allograft–Prosthetic Composite in Pediatric Bone Sarcoma and Surgical Long-Term Outcomes: Our Experience
	16:42		Dimosthenis Andreou (Germany): The chemo wars in STS: Friend, foe or futile? - Friend!	16:30	332	Junxiang Wen (China): Anlotinib, Radiotherapy and Surgery for High-Grade Soft-Tissue Sarcomas with High Recurrent Risk: A Phase II Single Arm Prospective trial	16:30		Discussion	16:33	472	Eunkyu Yang (South Korea): Long-term Clinical Outcomes of Pediatric Osteosarcoma after Surgical Treatment: A 20-Year Single-Institution Experience
	16:49		2 nd Live Voting & Discussion	16:33	526	Arpan Doshi (United Kingdom): Novel Porous Uncemented Joint Sparing Endoprosthetic Replacements for Limb Salvage Surgery	16:33		Discussion	16:36	935	Aaditya Patni (India): Feasibility and Long Term Durability of Long Segment Intercalary Tibia Defects Reconstructed with Pedicled Vascularized Fibula: Are Outcomes Different In Pediatric Vs Adult Patients?
	Oral Presentations			16:36	547	Lai Cheng-Yo (Taiwan): Association between Parathyroid Hormone Analog Use and Risk of Incident Bone Metastases in Patients with Solid Tumors: A Propensity Score–matched Database Study	16:36		Discussion	16:39	510	Luis Alberto Aponte-Tinao (Argentina): Massive Bone Allograft use in Pediatric Patients. What to Expect after 10 Years?
	17:00	143	Fabrice Scheurer (Switzerland): Tumour Necrosis after Neoadjuvant Radiotherapy in Extremity Soft Tissue Sarcoma is not Predictive of Oncological Outcome	16:39	550	Emily Peairs (United States): Does Chemotherapy Improve Survival for Patients with Synovial Sarcoma?	16:39		Discussion	16:42		Discussion
	17:05	489	Vishnu Ramanujan (India): Early Outcomes of Chordomas and Chondrosarcomas Treated with Image-guided Pencil Beam Scanning Proton Beam Therapy	16:42		Discussion	16:42		Discussion	16:50	624	Osman Emre Aycan (Turkey): Predicting Radial Head Dislocation in Hereditary Multiple Osteochondromatosis: A Quantitative Radiologic Approach
	17:10	509	Julian Dilley (United States): Beyond RECIST: Soft-Tissue Volume Reduction Correlates with Survival in Ewing Sarcoma	16:50	328	Daniel Müller (Switzerland): Intraoperative Indocyanine Green Fluorescence Imaging for Margin Assessment in Sarcoma Surgery: A Systematic Review of Clinical Evidence	16:50		Discussion	16:53	676	Odion Binitie (United States): Outcomes of Upper Extremity Expandable Endoprosthesis in Pediatric Patients
	17:15	848	Tsuyoshi Mizuma (Japan): Do Pre- to Post-radiotherapy Changes in FDG-PET SUV-max Correlate with Histological Response in Soft-Tissue Sarcoma? Subtype-Specific Analyses of UPS, MFS, and MLPS	16:53	646	Tao Ji (China): Early Clinical Outcomes of a 3D-Printed Axial Compressive Endoprosthesis (ACE) for Metaphyseal and Diaphyseal Reconstruction after Bone Tumor Resection	16:53		Discussion	16:56	717	Margaret Roubaud (United States): Efficacy of Targeted Muscle Reinnervation in Pediatric Oncologic Amputation: A Longitudinal Comparative Study
	17:20		Discussion	16:56	667	Raymond Yau (China): The Use of Synthetic Dermal Matrix for Soft Tissue Coverage after Tumour Resection: Initial Experience	16:56		Discussion	16:59	763	Bas Schuitema (The Netherlands): Prevalence and Risk Factors of Persistent and Neuropathic Pain following Resection of Pediatric Extremity Soft Tissue Sarcomas: A Nationwide Cohort Study
				16:59	688	Steven Thorpe (United States): How Have Positive Results from Recent SARC Immunotherapy Trials Changed the Treatment for Soft Tissue Sarcoma? An NCDB Analysis	16:59		Discussion	17:02		Discussion
				17:02		Discussion	17:02		Discussion	17:10	774	Piya Kiatisevi (Thailand): Preserving the Proximal Tibial Epiphyseal Plate with a Tibial Polyethylene Insert and Pasteurized Prosthetic Composite for Distal Femur Osteosarcoma in Children
			17:10	691	Krittawat Suwanpukdee (Thailand): A Randomized-controlled Trial of Bleomycin versus VEGF Inhibitor in the Treatment of Intramuscular Hemangiomas of the Extremities	17:10		Discussion	17:13	840	Kuan-Lin Chen (United States): Contralateral Lower-Limb Growth After Systemic Chemotherapy and Surgery for High-Grade Osteosarcoma in Children: A Retrospective Longitudinal MRI Study	
			17:13	843	Shan Abdul Khalam (India): Nail-Plate Cement Spacer – A cost effective reconstructive solution for primary and metastatic bone tumor salvage surgeries	17:13		Discussion	17:16	1015	Thomas J. Scharschmidt (United States): Change in Standard Uptake Value after Neoadjuvant Chemotherapy Correlates with Necrosis and Length of Survival in Pediatric Osteosarcoma	
			17:16	677	Fanwei Zeng (China): Expression of B7-H3 in Primary Malignant Bone Tumors and its Imaging Performance as a Target for Fluorescence-guided Surgical Navigation	17:16		Discussion	17:19	990	Dareen Rednah (Australia): Biological distal femur reconstruction, the future of pediatric reconstruction and its complications	
			17:19	712	Santiago Lozano-Calderón (United States): Wound Complications after Staged Free Flap Reconstruction for Sarcoma	17:19		Discussion	17:22		Discussion	
			17:22		Discussion	17:22		Discussion				

Thursday, September 24, 2026

Time/Hall	Lehar Hall	Stolz 1 Hall	Stolz 2 Hall	Schubert Hall
17:30-18:00	Presidential Lecture			
	Chairs: Andreas Leithner (Austria) - Maria Anna Smolle (Austria)			
	17:30 Claudia di Bella (Australia): Introduction			
	17:35 Peter Steadman (Australia): The Future of Orthopaedic Oncology: From Margins to Meaning: A vision for the next decade of collaboration and care			
	17:55 Official ISOLS Conference Photo: Please all participate!			
18:00-19:30	Welcome Reception			



Time/Hall	Lehar Hall		Stolz 1 Hall		Stolz 2 Hall		Schubert Hall				
08:00 - 08:45	ISOLS General Assembly										
08:45 - 09:00							Morning Break				
09:00 - 10:30	Session 1.6: Innovations in Paediatric Sarcoma Treatment		Session 2.5: Sarcoma Registry		Session 3.6: Soft Tissue Sarcomas II		Session 4.6: Biological Reconstructions I				
	Chairs: Eduardo J. Ortiz-Cruz (Spain) - Andreas Krieg (Switzerland)		Chairs: Joanna Szkandera (Austria) - Masood Umer (Pakistan)		Chairs: Shintaro Iwata (Japan) - Maya Niethard (Germany)		Chairs: Luis Alberto Aponte-Tinao (Argentina) - Santiago Lozano-Calderón (United States)				
	09:00	Rob Pollock (United Kingdom): Megaprotheses in paediatric patients - Indications and limits	09:00	136	Benjamin Miller (United States): Introduction - Benefits and Barriers for Sarcoma Registries: Survey Results from the International Sarcoma Registry	09:00		Introductory lecture			
	09:10	Eric Mascard (France): Vascularised vs. non-vascularised fibula in the paediatric patient	Best registry-focused abstracts from ISOLS abstract submission		09:10	3	Juan Barriga (Canada): Marginal Excision of Extremity Dedifferentiated Liposarcoma without Radiation may be Safe in Select Patients	09:10	142	Fabrice Scheurer (Switzerland): Frequency of Implant-Associated Infection and Associated Risk Factors Following Osseous Allograft Treatment: A Retrospective Analysis	
	09:20	Joseph Benevenia (United States): Indications and outcomes of allograft reconstructions in the paediatric patient	09:10	238	Thomas Hilton (South Africa): High Rates of Metastatic Disease and Amputations in Conventional Osteosarcomas: Analysis of 53 Patients from the First Sarcoma Registry in South Africa	09:13	32	Bernd Golja (Austria): Local recurrence in soft tissue sarcoma. Frequency and prognostic relevance of “upgrading” - a retrospective study	09:13	327	Katsuhiko Hayashi (Japan): Risk Factors for Multiple Additional Surgeries and their Impact on Final Clinical Course after Reconstruction using Tumor-Bearing Frozen Autografts
	09:30	Laura Campanacci (Italy): Hemiarthroplasty in very young children	09:15	322	Masood Umer (Pakistan): Data Outcomes from a Hospital-based Orthopedic Tumor Registry of Karachi, Pakistan	09:16	40	Aaron Gazendam (Canada): The Impact of Perilesional Tails in Myxofibrosarcoma Resection Margins and Oncologic Outcomes	09:16	368	Charles Abraham Villamin (Philippines): Extracorporeal Irradiation vs Liquid Nitrogen Treatment of Tumor-Bearing Autografts for Limb Reconstruction after Primary Malignant Musculoskeletal Tumor Resection: A Systematic Review of Literature
	09:40	Odion Binitie (United States): Results and complications of growing prostheses in paediatric patients	09:20	503	Frank Bevacqua (Australia): Paediatric Distal Femoral Tumour Megaprotheses: Revision Rates, Failure Aetiology and Survivorship from the Australian Orthopaedic Association National Joint Replacement Registry	09:19	90	İbrahim Halil Demir (Turkey): Preoperative endovascular embolization in malignant soft tissue tumors: A comparative study	09:19	184	Han Wang (China): External Fixator-Driven Soft Tissue Distraction for Limb Lengthening for Children with Lower Extremity Malignancies after Limb-Salvage Surgery: A preliminary study
	09:50	Michiel van de Sande (The Netherlands): The paediatric sarcoma patient - Just a tiny adult?	09:25	658	Sonja Kristín Kjartansdóttir (Sweden): Improved Survival after Treatment for Soft Tissue Sarcoma since the Introduction of the Standardised Care Pathway in Sweden	09:22		Discussion	09:22		Discussion
	10:00	Nadine Williams (United States): Management of paediatric patients beyond surgery	09:30	203	Adam Levin (United States): Comparison of Sarcoma Biopsies between Referral Centers and Treating Centers: An Analysis of the Musculoskeletal Tumor Registry (MSTR)	09:30	305	Shinn Kim (South Korea): Anatomic Presentation Strongly Influences Local Control in Myxoid Liposarcoma	09:30	460	Khalil Farooque (Pakistan): Free Vascularized Fibular Graft in Patients for Oncological Reconstruction of Humerus: Surgical Technique and Results
	Difficult Cases & Poll		09:35		Joanna Szkandera (Austria): Nationwide Treatment Patterns and Outcomes of Localised Soft Tissue Sarcoma in Austria: Real-World Data from the Austrian Sarcoma Registry	09:33	317	Youngkeun Lee (South Korea): Ultrasound-Guided Wide Excision of Myxofibrosarcoma: Impact on Surgical Outcomes and Recurrence Rates	09:33	468	Lukáš Pazourek (Czech Republic): Intercalary Allograft Reconstruction after Bone Tumor Resection: A Long-term Experience from a Sarcoma Center
10:10	Christoph Hofer (Austria) & Anna Hohensteiner (Austria): 2 cases	09:40		Questions	09:36	458	Emmy Nyqvist (Sweden): Early Wound Complications after Soft Tissue Sarcoma Surgery are Associated with Increased Risk of Local Recurrence and Death	09:36	487	Charukit Siritham (Thailand): Frozen Autograft Reconstruction in Primary Bone Tumors: Are we Achieving Durable Limb Salvage?	
		Project Updates		09:39	247	Mohamed Hafizudin Abudllah Sani (Malaysia): Predictive MRI Features in the Differentiation of Lipoma and Atypical Lipomatous Tumor: A Diagnostic Performance Study	09:39	615	Ferdiansyah Mahyudin (Indonesia): Oncologic, Radiologic and Functional Outcomes of Cryosurgery for Osteosarcoma: Biological Reconstruction using Recycled Bone		
		09:45	137	Benjamin Miller (United States): Global variation in sarcoma presentation: The first project of the International Sarcoma Registry	09:42		Discussion	09:42		Discussion	
		09:50		Maria Anna Smolle (Austria): Updates on the 10.000 soft tissue sarcoma project	09:50	539	Eunkyu Yang (South Korea): Late Local Recurrence of Soft Tissue Sarcoma of the Extremities and Trunk Wall: Predictive Factors and Oncologic Outcomes	09:50	831	Kousik Nandy (India): Functional and oncological outcome analysis following biological reconstruction in extremity sarcoma – experience from a single tertiary cancer care centre in eastern India	
		09:55		Marcos Galli Serra (Argentina): Updates on SLATME project	09:53	551	Emily Peairs (United States): Synovial Sarcoma Involving Nerves: High Rate of Misidentification as Benign Tumors	09:53	635	Bersu Polat (Turkey): Frozen Hotdog Reconstruction for Segmental Defects after Lower Extremity Bone Sarcoma Resection: Functional, Radiological and Oncological Outcomes	
		Panel Discussion (Working Group in attendance)		09:59	664	Soichiro Sakai (Japan): Does the Anatomical Relationship to the Skin and Fascia Influence the Risk of Distant Metastasis in Subcutaneous Soft Tissue Sarcoma?	09:56	748	Ebenezer Asirvatham (India): Microsurgical Reconstruction for Megaprosthesis with Large Soft Tissue Defects of the Knee and Functional Augmentation of the Extensor Mechanism: A Case Series		
		Moderator: Benjamin Miller (United States)		10:02		Discussion	09:59	495	Vishnu Ramanujan (India): Clinical and Radiological Results of Vascularized Free Fibular Epiphyseal Transfer after Proximal Humerus Resection in Children		
		Panelists: Joanna Szkandera, Andreas Leithner, Marcos Galli Serra, Masood Umer, Eric Staals, Ashish Gulia, Luke Johnson, Adam Levin		10:10	949	Kristin Hinton (Canada): Local recurrence and overall survival following staged- and unstaged-coverage of myxofibrosarcoma resection	10:02		Discussion		
		10:00	Authorship and participation		10:13	974	Angad Bedi (The Netherlands/ United States): Extended Five-Year Follow-Up of Vacuum-Assisted Closure TempORIZATION for Myxofibrosarcoma	10:10	793	Kathryn Dickson (United Kingdom): Vascularised fibular epiphyseal transfer for upper-limb salvage: A review of 10 years of experience	
		10:05	How to propose a project		10:16	1009	David Fellows (United Kingdom): Outcomes, Management and Predictors of Soft Tissue Sarcoma Recurrence	10:13	805	Hüseyin Kaya (Turkey): Reconstruction of the Extensor Mechanism with Extracorporeally Irradiated Autograft after around Knee Resection	
		10:10	Where should we be in two years		10:19		Discussion	10:16	383	Mariel Spense (Argentina): Biological Reconstruction of the Proximal Femur in Adults and Children with Benign Bone Tumours and Tumour-Like Lesions	
		Audience Engagement		Moderators: Luke Johnson (Australia) - Eric Staals (Italy)				10:19	370	Chiara De Donno (Italy): Pathological Meta-Diaphyseal Humeral Fractures and Structured Allogeneic Bone Grafts in Pediatric Age Benign Lesion: Is the Biology Effective Enough?	
		10:15	Real-time survey with panel questions						10:22		Discussion

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10:30 - 11:00	Coffee Break																																																																																																																									
	Poster Session II (PART 1) (Detailed list pages 18-28)																																																																																																																									
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A SEER 2010–2022 Propensity Score–Matched Analysis of Cancer-Specific Survival</td></tr><tr><td>11:53</td><td>241 Floortje Verspoor (The Netherlands): Management and Outcome of Intracranial Metastases in Sarcoma: A Systematic Review</td></tr><tr><td>11:56</td><td>687 Nathan Donaldson (United States): Geographic Disparities in Surgical Management of Pediatric and AYA Bone Sarcomas: An NCDB Review</td></tr><tr><td>11:59</td><td>743 Mandip Shah (India): Do We Really Need a Bony Reconstruction after Distal Fibula Resection? 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What Delay is a Delay for Surgical Decompression?</td></tr><tr><td>11:13</td><td>179 Haomiao Li (China): En Bloc Resection of Tumors in Thoracic and Lumbar Spine using the “Rotation-Reversion” Technique: Technique Notes and Outcomes</td></tr><tr><td>11:16</td><td>255 Takeshi Morii (Japan): Treatment Strategies for Spinal Giant Cell Tumor of Bone: Data from the Japanese Musculoskeletal Oncology Group</td></tr><tr><td>11:19</td><td>366 Jie Zang (China): Navigated Sacroiliac Joint (SIJ) "Sandwich" Osteotomy for En Bloc Resection of Sacral Malignant Tumors</td></tr><tr><td>11:22</td><td>Discussion</td></tr><tr><td>11:30</td><td>595 Charles Court (France): Postoperative Complication Profiles following En Bloc Resection of Spinal Tumors: A Systematic Review and Meta-Analysis</td></tr><tr><td>11:33</td><td>666 Charlie Bouthors (France): S3 and Above En Bloc Sacrectomy for Chordoma: An Anterior Endoscopic Release to Reduce Morbidity without Compromising the Oncological Results</td></tr><tr><td>11:36</td><td>683 Jichuan Wang (China): Standardized Protocols for Posterior-only En Bloc Sacrectomy: A Surgical Classification-based Approach for Primary Sacral Malignancies</td></tr><tr><td>11:39</td><td>736 Zhiqiang Zhao (China): Modified Spinopelvic Fixation with a Novel Three-dimensional-printed Element following Total Sacrectomy for Patients with Sacral Tumours</td></tr><tr><td>11:42</td><td>Discussion</td></tr><tr><td>11:50</td><td>786 Tiao Lin (China): Experience with Surgical Site Infection after Surgery for Sacral Tumors</td></tr><tr><td>11:53</td><td>865 Jinchang Lu (China): Surgical technique and outcomes for tumors simultaneously involving the thoracic vertebrae and posterior chest wall</td></tr><tr><td>11:56</td><td>882 Jinchang Lu (China): The efficacy and safety of vertebroplasty prior to separation surgery in reducing intraoperative blood loss: a preliminary report</td></tr><tr><td>11:59</td><td>883 Jinxin Hu (China): Comparative effectiveness of 3D-printed artificial vertebral body and titanium mesh cage for anterior reconstruction of bone defects following total en bloc spondylectomy: a dual center retrospective study</td></tr><tr><td>12:02</td><td>Discussion</td></tr><tr><td>12:10</td><td>928 Brooke Crawford (United States): Are Tumoral Biomarkers Associated with Pathologic Fracture Risk and Lesion Characteristics in Skeletal Metastases from Breast and Prostate Cancer</td></tr><tr><td>12:13</td><td>977 Angela Mercurio (United States): Chemoradiation impact on bony union in vascularized fibula grafts for spinopelvic reconstruction: A 26-year review</td></tr><tr><td>12:16</td><td>979 Hagen Fritzsche (Germany): Oncologic and surgical outcome and quality of life after mono- vs. multilevel en bloc spondylectomy in patients with spinal tumors</td></tr><tr><td>12:19</td><td>995 Masoud Mirkazemi (Iran): Sacrectomy for Sacral Tumors with or Without Lumbopelvic Fixation: Impact of Resection Level on Functional Outcomes</td></tr><tr><td>12:22</td><td>Discussion</td></tr></table>	11:00	87 Introductory lecture Xiaodong Tang (China): En Bloc Resection for Primary Malignant Tumors of the Mobile Spine: Survival, Recurrence and Complications	11:10	109 Humaid Al Farii (Oman): Spine Cord Compression with Neurological Deficit; 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11:53	241 Floortje Verspoor (The Netherlands): Management and Outcome of Intracranial Metastases in Sarcoma: A Systematic Review																																																																																																																									
11:56	687 Nathan Donaldson (United States): Geographic Disparities in Surgical Management of Pediatric and AYA Bone Sarcomas: An NCDB Review																																																																																																																									
11:59	743 Mandip Shah (India): Do We Really Need a Bony Reconstruction after Distal Fibula Resection? A Retrospective Analysis of 13 Patients Undergoing Peroneal Tendon to Fibula Stump Tenodesis																																																																																																																									
12:02	Discussion																																																																																																																									
12:10	616 Noel Rex Penaranda (Philippines): Backpack Orthopedic Oncology: Limb-salvage Procedures for Resource-limited Practice																																																																																																																									
12:13	682 Pablo Patino (United States): Socioeconomic Status-driven Outcome Differences in Pediatric Bone Cancers																																																																																																																									
12:16	578 Shunichi Toki (Japan): Do Commercially Available Compression Shorts Reduce Postoperative Complications in High-risk Pelvic, Inguinal and Proximal Thigh Sarcoma Surgery?																																																																																																																									
12:19	164 Alexander Synek (Austria): Towards Clinically Viable Assessment of Activity-Specific Femur Fracture Risk in Patients with Metastatic Bone Disease: A Combined Biomechanical and Deep Learning Approach																																																																																																																									
12:22	Discussion																																																																																																																									
11:00	87 Introductory lecture Xiaodong Tang (China): En Bloc Resection for Primary Malignant Tumors of the Mobile Spine: Survival, Recurrence and Complications																																																																																																																									
11:10	109 Humaid Al Farii (Oman): Spine Cord Compression with Neurological Deficit; What Delay is a Delay for Surgical Decompression?																																																																																																																									
11:13	179 Haomiao Li (China): En Bloc Resection of Tumors in Thoracic and Lumbar Spine using the “Rotation-Reversion” Technique: Technique Notes and Outcomes																																																																																																																									
11:16	255 Takeshi Morii (Japan): Treatment Strategies for Spinal Giant Cell Tumor of Bone: Data from the Japanese Musculoskeletal Oncology Group																																																																																																																									
11:19	366 Jie Zang (China): Navigated Sacroiliac Joint (SIJ) "Sandwich" Osteotomy for En Bloc Resection of Sacral Malignant Tumors																																																																																																																									
11:22	Discussion																																																																																																																									
11:30	595 Charles Court (France): Postoperative Complication Profiles following En Bloc Resection of Spinal Tumors: A Systematic Review and Meta-Analysis																																																																																																																									
11:33	666 Charlie Bouthors (France): S3 and Above En Bloc Sacrectomy for Chordoma: An Anterior Endoscopic Release to Reduce Morbidity without Compromising the Oncological Results																																																																																																																									
11:36	683 Jichuan Wang (China): Standardized Protocols for Posterior-only En Bloc Sacrectomy: A Surgical Classification-based Approach for Primary Sacral Malignancies																																																																																																																									
11:39	736 Zhiqiang Zhao (China): Modified Spinopelvic Fixation with a Novel Three-dimensional-printed Element following Total Sacrectomy for Patients with Sacral Tumours																																																																																																																									
11:42	Discussion																																																																																																																									
11:50	786 Tiao Lin (China): Experience with Surgical Site Infection after Surgery for Sacral Tumors																																																																																																																									
11:53	865 Jinchang Lu (China): Surgical technique and outcomes for tumors simultaneously involving the thoracic vertebrae and posterior chest wall																																																																																																																									
11:56	882 Jinchang Lu (China): The efficacy and safety of vertebroplasty prior to separation surgery in reducing intraoperative blood loss: a preliminary report																																																																																																																									
11:59	883 Jinxin Hu (China): Comparative effectiveness of 3D-printed artificial vertebral body and titanium mesh cage for anterior reconstruction of bone defects following total en bloc spondylectomy: a dual center retrospective study																																																																																																																									
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12:10	928 Brooke Crawford (United States): Are Tumoral Biomarkers Associated with Pathologic Fracture Risk and Lesion Characteristics in Skeletal Metastases from Breast and Prostate Cancer																																																																																																																									
12:13	977 Angela Mercurio (United States): Chemoradiation impact on bony union in vascularized fibula grafts for spinopelvic reconstruction: A 26-year review																																																																																																																									
12:16	979 Hagen Fritzsche (Germany): Oncologic and surgical outcome and quality of life after mono- vs. multilevel en bloc spondylectomy in patients with spinal tumors																																																																																																																									
12:19	995 Masoud Mirkazemi (Iran): Sacrectomy for Sacral Tumors with or Without Lumbopelvic Fixation: Impact of Resection Level on Functional Outcomes																																																																																																																									
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13:30-14:00	ISOLS Lecture Chair: Andreas Leithner (Austria) - Andrea Angelini (Italy) <table><tr><td>13:30</td><td>Andreas Leithner (Austria): Introduction</td></tr><tr><td>13:35</td><td>Ajay Puri (India): Reimplanting sterilised tumor bone: Irradiation or Cryotherapy - What works best?</td></tr><tr><td>13:55</td><td>Closure & Change of Rooms</td></tr></table>	13:30	Andreas Leithner (Austria): Introduction	13:35	Ajay Puri (India): Reimplanting sterilised tumor bone: Irradiation or Cryotherapy - What works best?	13:55	Closure & Change of Rooms																																																																																																																													
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14:00-15:30	Session 1.8: Pelvic Reconstruction: The Ring of Fire Chairs: Francis John Horniczek (United States) - Per-Ulf Tunn (Germany) <table><tr><td>14:00</td><td>Pietro Ruggieri (Italy): Pelvic sarcomas - The Padova experience</td></tr><tr><td>14:10</td><td>Vivek Ajit Singh (Malaysia): Reconstruction techniques following PII pelvic resections</td></tr><tr><td>14:20</td><td>Ashish Gulia (India): Biological reconstructions following internal hemipelvectomy</td></tr><tr><td>14:30</td><td>Vineet John Kurisunkal (United Kingdom): The 10 most important BOOM findings</td></tr><tr><td>14:40</td><td>Wei Guo (China): Outcomes with custom-made 3D printed hemipelvic reconstructions</td></tr><tr><td>14:50</td><td>Arne Streitzbürger (Germany): Why we avoid megaprosthetic reconstruction following pelvic resection</td></tr></table> DEBATE 4: To close or not to close the ring? (Live Voting) <table><tr><td>15:00</td><td>Maria Anna Smolle (Austria): Case & 1st Live Voting</td></tr><tr><td>15:05</td><td>Lee Jeys (United Kingdom): To close or not to close the ring? - Yes!</td></tr><tr><td>15:12</td><td>Daniel Kotrych (Poland): To close or not to close the ring? - No!</td></tr><tr><td>15:19</td><td>2nd Live Voting & Discussion</td></tr></table>	14:00	Pietro Ruggieri (Italy): Pelvic sarcomas - The Padova experience	14:10	Vivek Ajit Singh (Malaysia): Reconstruction techniques following PII pelvic resections	14:20	Ashish Gulia (India): Biological reconstructions following internal hemipelvectomy	14:30	Vineet John Kurisunkal (United Kingdom): The 10 most important BOOM findings	14:40	Wei Guo (China): Outcomes with custom-made 3D printed hemipelvic reconstructions	14:50	Arne Streitzbürger (Germany): Why we avoid megaprosthetic reconstruction following pelvic resection	15:00	Maria Anna Smolle (Austria): Case & 1st Live Voting	15:05	Lee Jeys (United Kingdom): To close or not to close the ring? - Yes!	15:12	Daniel Kotrych (Poland): To close or not to close the ring? - No!	15:19	2 nd Live Voting & Discussion	Session 2.7: Amputation vs. Osseointegration vs. Rotationplasty Chairs: Gerhard Hobusch (Austria) - Valerae O. Lewis (United States) Educational Committee <table><tr><td>14:00</td><td>Margaret Roubaud: Novel techniques in amputation</td></tr><tr><td>14:12</td><td>James Flint (United States): Osseointegration: The other Limb Salvage</td></tr><tr><td>14:24</td><td>Rickard Brånemark (United States): OI - The vision and future aspects</td></tr><tr><td>14:36</td><td>Ajay Puri (India): Rotationplasty - When is it indicated?</td></tr><tr><td>14:48</td><td>Peter Bekkering (The Netherlands): The degree of physical activity and participation in sport after amputation and rotationplasty as a result of a malignant bone tumour in childhood</td></tr><tr><td>15:00</td><td>Discussion</td></tr></table>	14:00	Margaret Roubaud : Novel techniques in amputation	14:12	James Flint (United States): Osseointegration: The other Limb Salvage	14:24	Rickard Brånemark (United States): OI - The vision and future aspects	14:36	Ajay Puri (India): Rotationplasty - When is it indicated?	14:48	Peter Bekkering (The Netherlands): The degree of physical activity and participation in sport after amputation and rotationplasty as a result of a malignant bone tumour in childhood	15:00	Discussion	Session 3.8: Socio-Economic Disparities in Sarcoma Care Chairs: Thomas Hilton (South Africa) - Oleg Vyrva (Ukraine) <table><tr><td>14:00</td><td></td><td>Introductory Lecture Claudia Di Bella (Australia): Women in surgery</td></tr><tr><td>14:10</td><td>92</td><td>Bilgehan H. Cevik (Turkey): Max-Ti Antiprotusio Cages in Periacetabular Metastatic Bone Disease: Experience from a Single Tertiary Referral Centre</td></tr><tr><td>14:13</td><td>118</td><td>Matthew DiCaprio (United States): The Evolution of Practice Patterns of Early Career Orthopaedic Oncologists in the US: Analysis of 22 Years of the ABOS Part II Case List Database</td></tr><tr><td>14:16</td><td>268</td><td>Amy Zeller (United States): Trends and Burden Composition at the National and Interstate Levels for Malignant Neoplasms of Bone and Articular Cartilage in the United States, 1990-2023</td></tr><tr><td>14:19</td><td>286</td><td>Muhammad Rizqi Adhi Primaputra (Indonesia): Multidisciplinary Management for Bone Sarcoma in Pregnancy: A Systematic Review of Approaches and Clinical Outcomes</td></tr><tr><td>14:22</td><td></td><td>Discussion</td></tr><tr><td>14:30</td><td>297</td><td>Ali Ijaz Ahmad (Pakistan): Orthopaedic Oncologist–performed Vascularized Fibula Reconstruction for Limb Salvage: Early Outcomes and the Learning Curve in a Resource-Limited Sarcoma Unit</td></tr><tr><td>14:33</td><td>365</td><td>Shea Byrne (United Kingdom): STanmore OutcoMes Project (STOMP) – Preliminary Findings of International Classification of Functioning, Disability and Health (ICF) Outcomes in Sarcoma Survivors</td></tr><tr><td>14:36</td><td>374</td><td>Camila Bedeschi Rego De Mattos (Sweden): COVID-19 and Sarcoma Care in Sweden: Maintained Quality of a Robust Care System but Potential Sex-Based Diagnostic Gap</td></tr><tr><td>14:39</td><td>457</td><td>Prakash Nayak (India): Age, Site–Histology Interaction, Margins and Pathologic Fracture Define Risk in Surgically Treated Chondrosarcoma: A Multi-Institutional Analysis of 850 Patients</td></tr><tr><td>14:42</td><td></td><td>Discussion</td></tr><tr><td>14:50</td><td>501</td><td>Frank Bevacqua (Australia): Paediatric Endoprosthetic Reconstruction for Lower Limb Tumours: Revision Rates, Aetiology and Associations. A Study from the Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR)</td></tr><tr><td>14:53</td><td>522</td><td>Oleg Vyrva (Ukraine): Limb Salvage Evolution in Bone Tumor Surgery: Strategic Insights from Personal Experience</td></tr><tr><td>14:56</td><td>592</td><td>Wan Ismail Wan Faisham Numan (Malaysia): Sarcoma Management during Medical Mission in Gaza</td></tr><tr><td>14:59</td><td></td><td>Discussion</td></tr></table>	14:00		Introductory Lecture Claudia Di Bella (Australia): Women in surgery	14:10	92	Bilgehan H. 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Patel (United States) <table><tr><td>14:00</td><td>330</td><td>Introductory Lecture Airon Vince Calica (Philippines): Biological Reconstruction in Osteosarcoma: A Systematic Review Comparing Pasteurization and Liquid Nitrogen Cryotherapy for Recycled Autografts</td></tr><tr><td>14:10</td><td>160</td><td>Naoki Oike (Japan): Very Long-Term Outcomes of Limb Reconstruction Using Intraoperative Extracorporeal Irradiated Autografts for Musculoskeletal Tumors</td></tr><tr><td>14:13</td><td>189</td><td>Mirka Buist (The Netherlands): Patient-Specific Implants for Joint-Sparing Reconstruction of Segmental Tibial and Femoral Defects: Systematic Literature Review and Introduction of a Classification Framework</td></tr><tr><td>14:16</td><td>191</td><td>Praveen Gupta (India): Extra Corporeal Radiotherapy for Biological Limb Salvage; A Wise Augmentation to Strengthen the Recycled Bone can Improve Outcomes without Affecting the Histopathology</td></tr><tr><td>14:19</td><td>277</td><td>Masood Umer (Pakistan): Skeletal Reconstruction by Autoclaved Tumor Bone after Sarcoma Resection; Outcomes from a Single Centre Orthopedic Registry</td></tr><tr><td>14:22</td><td></td><td>Discussion</td></tr><tr><td>14:30</td><td>464</td><td>Pudit Patcharathiwat (Thailand): Are Survivorship and Complications of Pasteurized Autograft-Prosthesis Composite Comparable to those of Endoprosthesis Following Limb-sparing Surgery around the Knee?: A Propensity Score Weighting Study</td></tr><tr><td>14:33</td><td>485</td><td>Puneet Yadav (India): Mid Term Clinical and Radiological Outcomes of Knee Arthrodesis using Nail-plate Cement Spacer following Wide Resection of Malignant and Benign Aggressive Tumors around the Knee</td></tr><tr><td>14:36</td><td>519</td><td>Marwan Elsayed Mandor (Qatar): Combined Modified Capanna and Masquelet Techniques for Managing Femur Bone Defects after Tumor Resection</td></tr><tr><td>14:39</td><td>523</td><td>Shalin S. Patel (United States): Financial Toxicity in Patients with Localized Pelvic Primary Bone Sarcomas Treated with Hemipelvectomy</td></tr><tr><td>14:50</td><td>620</td><td>Fathin Kaldani (Indonesia): Osteoarticular Resection with Cryosurgery in Osteosarcoma: Clinical Outcomes and Joint Preservation Analysis</td></tr><tr><td>14:42</td><td></td><td>Discussion</td></tr><tr><td>14:53</td><td>629</td><td>Osman Emre Aycan (Turkey): Clinical Outcomes of Tumor Endoprosthetic Stem Augmentation with Liquid Nitrogen Recycled Autograft for Malignant Bone Tumors</td></tr><tr><td>14:56</td><td>663</td><td>Marcio Moura (Brazil): Internal Hemipelvectomy 45 Patients Treated with Biological Reconstruction using Recycling Bone Tumor with Liquid Nitrogen</td></tr><tr><td>14:59</td><td>794</td><td>Malissa Saengtubtim (Thailand): Does double plate fixation allow immediate full-weight bearing for biological reconstruction following limb-sparing surgery of the lower limb?</td></tr><tr><td>15:02</td><td></td><td>Discussion</td></tr><tr><td>15:10</td><td>896</td><td>Mohamed Abdelhamid (Egypt): Distal Tibial Resection and Reconstruction with Pedicled Vascularized Fibular Graft for Malignant Bone Tumors: Functional and Oncologic Outcomes</td></tr></table>	14:00	330	Introductory Lecture Airon Vince Calica (Philippines): Biological Reconstruction in Osteosarcoma: A Systematic Review Comparing Pasteurization and Liquid Nitrogen Cryotherapy for Recycled Autografts	14:10	160	Naoki Oike (Japan): Very Long-Term Outcomes of Limb Reconstruction Using Intraoperative Extracorporeal Irradiated Autografts for Musculoskeletal Tumors	14:13	189	Mirka Buist (The Netherlands): Patient-Specific Implants for Joint-Sparing Reconstruction of Segmental Tibial and Femoral Defects: Systematic Literature Review and Introduction of a Classification Framework	14:16	191	Praveen Gupta (India): Extra Corporeal Radiotherapy for Biological Limb Salvage; A Wise Augmentation to Strengthen the Recycled Bone can Improve Outcomes without Affecting the Histopathology	14:19	277	Masood Umer (Pakistan): Skeletal Reconstruction by Autoclaved Tumor Bone after Sarcoma Resection; Outcomes from a Single Centre Orthopedic Registry	14:22		Discussion	14:30	464	Pudit Patcharathiwat (Thailand): Are Survivorship and Complications of Pasteurized Autograft-Prosthesis Composite Comparable to those of Endoprosthesis Following Limb-sparing Surgery around the Knee?: A Propensity Score Weighting Study	14:33	485	Puneet Yadav (India): Mid Term Clinical and Radiological Outcomes of Knee Arthrodesis using Nail-plate Cement Spacer following Wide Resection of Malignant and Benign Aggressive Tumors around the Knee	14:36	519	Marwan Elsayed Mandor (Qatar): Combined Modified Capanna and Masquelet Techniques for Managing Femur Bone Defects after Tumor Resection	14:39	523	Shalin S. 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14:36	519	Marwan Elsayed Mandor (Qatar): Combined Modified Capanna and Masquelet Techniques for Managing Femur Bone Defects after Tumor Resection																																																																																																																																		
14:39	523	Shalin S. Patel (United States): Financial Toxicity in Patients with Localized Pelvic Primary Bone Sarcomas Treated with Hemipelvectomy																																																																																																																																		
14:50	620	Fathin Kaldani (Indonesia): Osteoarticular Resection with Cryosurgery in Osteosarcoma: Clinical Outcomes and Joint Preservation Analysis																																																																																																																																		
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14:53	629	Osman Emre Aycan (Turkey): Clinical Outcomes of Tumor Endoprosthetic Stem Augmentation with Liquid Nitrogen Recycled Autograft for Malignant Bone Tumors																																																																																																																																		
14:56	663	Marcio Moura (Brazil): Internal Hemipelvectomy 45 Patients Treated with Biological Reconstruction using Recycling Bone Tumor with Liquid Nitrogen																																																																																																																																		
14:59	794	Malissa Saengtubtim (Thailand): Does double plate fixation allow immediate full-weight bearing for biological reconstruction following limb-sparing surgery of the lower limb?																																																																																																																																		
15:02		Discussion																																																																																																																																		
15:10	896	Mohamed Abdelhamid (Egypt): Distal Tibial Resection and Reconstruction with Pedicled Vascularized Fibular Graft for Malignant Bone Tumors: Functional and Oncologic Outcomes																																																																																																																																		



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			15:10 661 Noel Rex Penaranda (Philippines): Establishing a Cancer (Sarcoma) Care Center: Our Story of Filling the Gaps 15:13 773 Caitlin Bodian (New Zealand): Pattern of Care for Follow-up of Sarcoma after Curative Treatment: A Survey of Sarcoma Specialists 15:16 936 Akshay Tiwari (India): Survival outcomes and prognostic determinants of osteosarcoma in children and adults: an interim analysis of nationwide multicentric retrospective cohort study from India (IMSOS OS-01 / INPHOG-OST-23-01) 15:19 946 Marius Emunds (Germany): Evaluation of Cognitive Workload and Clinical Utility of Preoperative Mixed-Reality Planning in Hemipelvectomy Using Head-Mounted-Displays 15:22 Discussion	15:13 902 Pannin Thanapipatsiri (Thailand): Long-term Outcomes and Complications of Irradiated Osteoarticular Allograft Reconstruction in Musculoskeletal Tumors 15:16 980 Mahmoud Smida (Tunisia): Revascularization of non-vascularized bone autograft by preserved periosteum after resection of high-grade malignant bone tumors in children—a new biological reconstruction technique 15:19 576 Jaylon Pascual (Canada): Biomechanical Impact of an Actuated Knee-Ankle-Foot Orthosis for Extensor Mechanism Deficiency 15:22 Discussion
15:30 - 16:00	Coffee Break Poster Session II (PART 2) (Detailed list pages 18-28) Bone Sarcoma III: Chairs: Bugra Alpan (Turkey) – Toshifumi Ozaki (Japan) Bone Sarcoma IV: Chairs: Rodrigo Cardoso (Brazil) – Shaneel Deo (New Zealand) Imaging Techniques: Chairs: Mauricio Etchebehere (Brazil) - Francisco Bengoa (Chile) Soft Tissue Sarcomas II: Chairs: Christoph Hofer (Austria) - Magdalena Maria Gilg (Austria)			
16:00 - 17:00	Session 1.9: Margins - A marginal difference may be vital Chairs: Peter Rose (United States) - Han-Soo Kim (South Korea) 16:00 Paul Jutte (The Netherlands): Which margin is considered “wide” for bone sarcomas? 16:10 Tomohiro Fujiwara (Japan): Which margin is considered “wide” for soft-tissue sarcomas? - Practical integration of margin quantity and quality 16:20 Walid Ebeid (Egypt): Challenges to achieve “wide” margins in periarticular bone tumours of the knee Difficult Cases & Poll 16:30 Magdalena Maria Gilg (Austria) - Julia von der Linden (Austria): 2 cases	Session 2.8: Challenges, limitations and potential solutions for Sarcoma Care in Developing Countries Chairs: Francisco Linares (Colombia) - Santiago Lozano-Calderón (United States) 16:00 Duncan Whitwell (United Kingdom): Challenges and Limitations in Sarcoma Care in Developing Countries 16:12 David Wood (Australia): Resource Stratified Guideline for Optimization of Sarcoma Care in Developing Countries: The Experience in the Asia-Pacific Region 16:24 Case Experiences: Introductions with Juan Pablo Zumárraga (Ecuador) Ahmed Abduljabbar (Iraq): Iraq Ermias Gizaw Hailemeskel (Ethiopia): Africa Reshwin Rajan (Fiji): Asia Muhammad Ather Siddiqi (United Kingdom): Middle East 16:47 Discussion and questions	Session 3.9: GCT Chairs: Joseph Benevenia (United States) - Hans Roland Dürr (Germany) 16:00 Introductory lecture Bartlomiej Szostakowski (Poland): Giant Cell Tumour of Bone: From Fundamentals to Contemporary Management and Beyond 16:10 41 Lester Chan (Singapore): Frozen Liquid Nitrogen Ethanol Composite (FNEC) for Giant Cell Tumour of Bone (GCTB). From Bench to Clinical Practice: Results from an Ex Vivo Porcine Bone Model and Mid-Term Clinical Series 16:13 178 Haobin Su (China): Saline-Coupled Bipolar Sealer as a Novel Adjuvant for Intralesional Curettage of Giant Cell Tumor of Bone: A Retrospective Cohort Study 16:16 452 Prakash Nayak (India): Does Preoperative Denosumab for Resection of GCT of Bone Around Knee, Reduce Blood Loss, Tumor Contamination and Local Relapse: A Retrospective and Temporal Institutional Cohort Study 16:19 496 Yuki Aibara (Japan): Denosumab Monotherapy for Giant Cell Tumor of Bone: A Multi-institutional Study by the Japanese Musculoskeletal Oncology Group 16:22 816 Omar Aldosari (Saudi Arabia): A Multicenter Retrospective Analysis of Prognostic Factors for Local Recurrence in Extremity-Located Giant Cell Tumors of Bone 16:25 Discussion 16:35 1011 David Fellows (United Kingdom): Management and surveillance of metastatic giant cell tumour of bone 16:38 581 Nong Lin (China): Bone Cement Filling Combined with Plate and Screw Fixation for the Treatment of Displaced Pathological Fractures of the Distal Femur caused by Giant Cell Tumor of Bone 16:41 715 Rajesh Bahadur Singh (India): Validating Extended Curettage and Cement Augmentation with Plate Fixation for Campanacci Grade 3 Giant Cell Tumors: Experience from MPMMCC Varanasi, India 16:44 517 Ibrahim S Alshaygy (Saudi Arabia): Malignant Transformation in Denosumab-Treated Giant Cell Tumor of Bone: Rare Event or Underrecognized Risk? 16:47 405 Kan Ito (Japan): Curettage for Distal Radius Giant Cell Tumors: Fracture Risk and Long-Term Local Control 16:50 Discussion	Session 4.9: Rotationplasty Chairs: Ashish Gulia (India) - Arne Streitzbürger (Germany) 16:00 Introductory lecture: Winfried Winkelmann (Germany): Rotationplasty 16:10 98 Himanshu Rohela (India): implant survivorship results of indigenous developed compress-HA prosthetic stem for oncological resections 16:13 243 Floortje Verspoor (The Netherlands): Navigation-Guided, Patient-Specific Winkelmann Type B1 Rotationplasty for Complex Post-Oncologic Femoral Osteomyelitis 16:16 331 Abigail Tud (Philippines): Doing a 180 for GCT: Should Knee Rotationplasty (KRP) be Considered as a Surgical Option for Giant Cell Tumor of Bone in Low Resource Settings? 16:19 967 Anna Hohensteiner (Austria): Rotationplasty After Tumor Resection: Oncological and Functional Outcomes from a 37-Year Single-Center Experience 16:22 969 Philipp Funovics (Austria): Tibial-growth-plate-preserving A1 rotationplasty in a 2-year-old with ultra-short proximal femoral residuum 16:25 Discussion 16:35 534 Ezekiel Dingle (United States): Determinants of Primary Amputation in Extremity Sarcoma: A Population-based Analysis of Definitive Surgical Management 16:38 716 Margaret Roubaud (United States): TMR and RPNI Sustainably Reduce Long-term Pain and Opioid Dependence after Oncologic Amputation 16:41 963 Christoph Hofer (Austria): Resilience as a Key Factor in Coping: Long-Term Outcomes after Treatment of Malignant Tumors of the Lower Extremity 16:44 408 Gitte Krebbekx (The Netherlands): Osteoarthritis-Related Gait Deviations are Present Decades after Rotationplasty 16:47 409 Gitte Krebbekx (The Netherlands): Good Quality of Life Three Decades after Rotationplasty 16:50 Discussion

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17:00 - 18:00	Pioneers of ISOLS (Round Table Discussion)	Session 2.9: Minimally Invasive Techniques for Metastatic Disease	Session 3.10: Basic Science I	Session 4.10: Biological Reconstructions III																																																																																				
	Chair: Philipp Funovics (Austria) Rainer Kotz (Austria) Winfried Winkelmann (Germany) Mark C. Gebhardt (United States) Franklin Sim (United States) <i>Get engaged with the pioneers of limb salvage surgery and ask your questions in an open podium discussion!</i>	Chairs: Kista Goulding (United States) - Francis Lee (United States) Educational committee <table><tr><td>17:00</td><td>Francis Lee (United States): Biomechanical, Onco-Biology, and Clinical Outcomes of Minimally Invasive Management of Skeletal Metastases</td></tr><tr><td>17:10</td><td>Santiago Lozano-Calderón (United States): Photodynamic nails in the management of metastatic bone disease: Minimally invasive techniques</td></tr><tr><td>17:20</td><td>Tomas Zamora (Chile): Algorithms and Practical Points When Deciding to Perform Percutaneous Minimally Invasive Treatment for Metastatic Lesions</td></tr><tr><td>17:30</td><td>Brooke M. 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Saturday, September 26, 2026

Time/Hall	Lehar Hall			Stolz 1 Hall			Stolz 2 Hall			Schubert Hall		
08:00-08:45	Session 1.10: Upper Extremity I			Meet the Professors (Cases)			Session 3.11: Advanced Metastatic Setting I			Session 4.11: Of Bone and Bold Ideas		
	Chairs: Luke Johnson (Australia) - Adam Levin (United States)			<i>Speaker:</i>			Chairs: Humaid Al Farii (Oman) - Adyb-Adrian Khal (Romania)			Chairs: Alexander Lazarides (United States) - Harzem Özger (Turkey)		
	8:00	251	Introductory lecture Michal Mahdal (Czech Republic): Functional Outcomes and Complications of Elbow Endoprosthesis Reconstruction after Tumor Resection	Christoph Hofer (Austria)			8:00	920	Introductory lecture Patrick Lin (United States): Early Mortality After Surgery for Long Bone Metastases: A 25-Year, 3,186-Patient Single-Center Experience	8:00	240	Introductory lecture Thomas Hilton (South Africa): Major Differences in Disease Presentation and Outcomes for Patients with Pathological Fractures in Cape Town and Stockholm
	8:10	220	Nina Myline Engel (Germany): Redefining Distal Radius Reconstruction Using Custom-Made Implants: Promising Short- to Mid-Term Results	<i>Panelists:</i>			8:10	15	Lorenzo Andreani (Italy): Outcomes of multidisciplinary and orthopedic management for bone metastatic thyroid carcinomas	8:10	66	Christian Lind Nielsen (Denmark): Dovetail Osteotomies Enhance Rotational Stability and Reduce Plate Stress in Intercalary Femoral Allograft Reconstruction
	8:13		Rohith Mutt (India): Long-term Oncological and Functional Outcomes of a Low-Cost Indigenous Megaprosthesis for Elbow Reconstruction: A 23-Year Experience	Michelle Ghert (Canada)			8:13	265	Meagan Tibbo (United States): Percutaneous Photodynamic Nail Fixation for Stabilization of Pelvic Metastatic Disease: Surgical and Oncologic	8:13	188	Christian Pauritsch (Austria): Safety of Tumor Endoprostheses in the Magnetic Resonance Imaging Environment
	8:16	954	Domenico Andrea Campanacci (Italy): Allograft-prosthesis Composite Reconstruction after Proximal Humerus Resection for Bone Tumors: is there an advantage with long over short stems?	Davide Donati (Italy)			8:16	407	Fabio Fernando Eloí Pinto (Brazil): Is Percutaneous Acetabular Cementoplasty an Effective Treatment for Painful Osteolytic Acetabular Lesions?	8:16	672	Tao Ji (China): Single Lateral Approach for Pedicle Vascularized Fibular Harvesting, Tumor Resection and Composite Reconstruction in Pediatric and Adolescent Distal Tibial Tumors
	8:19		Discussion	Gerhard Hobusch (Austria)			8:19		Discussion	8:19		Discussion
	8:27	828	Thanapon Chobpenthai (Thailand): Long-Term Outcomes of En Bloc Resection and Vascularized Ulnar Pedicle Graft Reconstruction with Plate Fixation for Giant Cell Tumour of the Distal Radius.				8:29	697	Nicola Fabbri (United States): Minimally Invasive Pelvic Fixation of Pelvic Metastases by CT-Assisted Surgical Navigation is Associated with Predictable Pain Relief and Durable Restoration of Skeletal Stability and Function	8:29	218	Alyssa Federico (Canada): Systematic Review and Meta-Analysis of Percutaneous Fixation Techniques for Metastatic Bone Disease in the Pelvis
	8:30	860	Ashish Gulia (India): Balancing “Mobility” and “Stability” after resection of distal end radius tumor: A modified ulna translocation technique				8:32	707	Furkan Erdoğan (Turkey): Clinical Determinants of Survival after Pathological Fracture in Metastatic Bone Disease	8:32	300	Alpan Doshi (United Kingdom): Segmental Arthrodesis for Limb Salvage: A Tertiary Centre Review
	8:33	970	Markus Hanna (Austria): Surgical Treatment of Pediatric Humeral Cystic Lesions: The Role of Instillation Methods and Lesion Morphology				8:35	813	Angad Bedi (The Netherlands/United States): Long-Term Effects of Surgical Approach Selection in Renal Cell Carcinoma Appendicular Bone Metastases	8:35	598	Muhammad Phetrus Johan (Indonesia): Clinical and Functional Outcomes of Percutaneous Ablation–Osteoplasty–Reinforcement–Internal Fixation (AORIF) in Metastatic Periacetabular Bone Disease: A Case Series from Indonesia
8:36	644	Evrin Sirin (Turkey): Reconstruction of Malignant Bone Tumors with Total Humerus Endoprosthesis: Long-term Results from a Single Center				8:38	804	Jonathan Forsberg (United States): PATHFx Version 4.0 in Patients Treated Surgically for Symptomatic Skeletal Metastases	8:38	199	Guido Scoccianti (Italy): Acetabular Erosion after Hemiarthroplasty in Proximal Femoral Megaprostheses in Orthopedic Ancology – Mid-to-long-term Results	
		Discussion				8:41		Discussion	8:41		Discussion	
08:45-09:00	Morning Break											

Time/Hall	Lehar Hall	Stolz 1 Hall	Stolz 2 Hall	Schubert Hall																																																																																																															
09:00-10:00	Session 1.11: The Famous ISOLS Quiz Chairs: Philipp Funovics (Austria) - Lee Jeys (United Kingdom) <i>Enlist your national team & get your code from the registration desk.</i> <i>Compete in a fun academic quiz on musculoskeletal oncology to win the ISOLS 2026 trophy!</i>	Session 2.10: Upper Extremity II Chairs: Elisa Pala (Italy) <table><tr><td>09:00</td><td></td><td>Introductory lecture Panayiotis J. Papagelopoulos (Greece): Custom-made implants for periscapular sarcomas</td></tr><tr><td>09:10</td><td>14</td><td>Alexander Lazarides (United States): What Factors are Associated with Instability after Endoprosthetic Reverse Total Shoulder Arthroplasty for Oncologic Reconstruction of the Proximal Humerus</td></tr><tr><td>09:13</td><td>86</td><td>Xiaodong Tang (China): Reconstruction with an Unconstrained Total Scapular Reverse Shoulder Endoprosthesis: Preliminary Results from a Single Institute</td></tr><tr><td>09:16</td><td>223</td><td>Matthew Houdek (United States): Outcome of Shoulder Girdle Resection and Reconstruction Based on a Novel Classification System</td></tr><tr><td>09:19</td><td>744</td><td>Mandip Shah (India): Conventional Reverse Shoulder Arthroplasty within Tumor Sterilized Bone for Select Proximal Humeral Sarcomas–A Novel, Cost Effective, Readily Available Alternative to Reverse Shoulder Megaprosthesis</td></tr><tr><td>09:22</td><td>852</td><td>Jin Wang (China): 3D-printed Glenohumeral Fusion Prosthesis for the Reconstruction of Proximal Humerus Bone Defects: Design, Biomechanical Validation, and Clinical Efficacy Analysis</td></tr><tr><td>09:25</td><td></td><td>Discussion</td></tr><tr><td>09:35</td><td>628</td><td>Fathih Kaldani (Indonesia): Outcomes of Limb Salvage Surgery for Proximal Humerus Osteosarcoma - A Retrospective Study</td></tr><tr><td>09:38</td><td>662</td><td>Ali Ijaz Ahmad (Pakistan): Proximal Humeral Reconstruction using Interlocking Nail-Cement Spacers with Polypropylene Mesh for Primary and Metastatic Tumors</td></tr><tr><td>09:41</td><td>493</td><td>Chung Ming Chan (Singapore): Complex Hand Reconstruction for Epithelioid Sarcoma: A Case using Side-to-side Phalangeal Fusion</td></tr><tr><td>09:44</td><td>894</td><td>Twindy Rarasati (Indonesia): Surgical Management and Functional Outcomes of Soft Tissue and Bone Tumors of the Hand: A 19-Case Series from a Tertiary Referral Hospital</td></tr><tr><td>09:47</td><td>195</td><td>Giulia Trovarelli (Italy): Navigated Modular Reverse Shoulder Reconstruction with Exactech Equinox Humeral Reconstruction Prosthesis in Limb Salvage Surgery for Musculoskeletal Tumors</td></tr><tr><td>09:50</td><td></td><td>Discussion</td></tr></table>	09:00		Introductory lecture Panayiotis J. 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12:00-13:30	Session 1.13: Benign Aggressive Tumours Chairs: Francisco Linares (Colombia) - Nicole Montgomery (United States) Educational Committee <table><tr><td>12:00</td><td>Ashish Gulia (India): Minimally invasive manage of benign bone tumors</td></tr><tr><td>12:15</td><td>Francisco Bengoa (Chile): History of GCT</td></tr><tr><td>12:30</td><td>Hairong Xu (China): Evolving concepts in the treatment of Aneurysmal Bone Cyst</td></tr><tr><td>12:45</td><td>Vinod Ravi (United States): Medical Advances in Benign Bone Disease</td></tr><tr><td>13:00</td><td>Didactic lectures</td></tr></table>	12:00	Ashish Gulia (India): Minimally invasive manage of benign bone tumors	12:15	Francisco Bengoa (Chile): History of GCT	12:30	Hairong Xu (China): Evolving concepts in the treatment of Aneurysmal Bone Cyst	12:45	Vinod Ravi (United States): Medical Advances in Benign Bone Disease	13:00	Didactic lectures	Session 2.12: The very young and the very old Chairs: Valerae O. Lewis (United States) - Juan Pablo Zumárraga (Ecuador) Educational Committee <table><tr><td>12:00</td><td>Walid Ebeid (Egypt): Beyond endoprosthesis: Biological reconstruction in the growing child</td></tr><tr><td>12:12</td><td>Wakenda Tyler (United States): Reconstructive options in sarcoma resections in the very young and very old, and the special challenges we face</td></tr><tr><td>12:24</td><td>Wan Ismail Wan Faisham Numan (Malaysia): Surgery for large tumour in very young patient – challenges</td></tr><tr><td>12:36</td><td>Mark C. 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Thursday, September 24, 2026

08:00-09:00

Poster Session I

Basic Science I

Chairs: **Mauricio Etchebehere** (Brazil) - **Julia von der Linden** (Austria)

PP001	Vikas Bachhal (India): Can Micro RNAs (miR-22, miR-301a and miR-584) predict Chemoresistance in Osteosarcoma? - An observational study.
PP002	Vasileios Apostolopoulos (Czech Republic): Implant Survival and Failure Patterns of Cemented Custom-Made Tumor Knee Endoprotheses after Distal Femoral Resection
PP003	Zhenyu Cai (China): Mechanism of LRRC15 in Promoting Malignant Progression of Osteosarcoma
PP004	Zhenfeng Duan (United States): Inhibition of the glucose transporter type 1 (SLC2A1/GLUT1) impairs chondrosarcoma growth and survival
PP005	Chiara Gassner (Austria): Treatment of sarcomas with particle therapy. Retrospective, multicentre study of clinical and oncological outcomes in Austria
PP006	Hideyuki Kinoshita (Japan): Redox Homeostasis as a Key Regulator of Tumor Progression in Epithelioid Sarcoma: Implications for Novel Therapeutic Strategies
PP007	Julius Schütz (Germany): Pathological deviation of gait pattern after megaprotheses implantation in the knee joint. Analysis.
PP008	Andreas Leithner (Austria): MET/ALK Inhibition Enhances Carbon Ion Radiation Response in Sacral Chordoma Cells
PP009	Aanchal Bhatia (India): Mid to Long Term Psychological Outcome in Sarcoma Survivors is Independent of Functional Outcome
PP010	Blas Vargas (Chile): Primary Malignant Musculoskeletal Tumor Mortality Trends in Chile (1997–2022)
PP011	Leilei Xu (China): Novel Oncogene COL8A1 Contributes to the Proliferation and Invasion of Osteosarcoma Cells Possibly via Interaction with EGFR

Biological Reconstructions I

Chairs: **Humaid Al Farii** (Oman) - **Elisa Pala** (Italy)

PP012	Qiyuan Bao (China): The Outcomes of En-bloc tumor Resection with Neurovascular Reconstruction for Limb Salvage in Locally Advanced Bone and Soft Tissue Sarcoma
PP013	Cecilia Belzarena (United States): Implementing Liquid Nitrogen for Biological Reconstruction from Scratch: Practical Setup, Surgical Pearls and Lessons Learned
PP014	Cecilia Belzarena (United States): Reconstructing the Irreparable: A Novel Approach to Femoral Head Defects after Chondroblastoma Curettage
PP015	Muni Srikanth Iytha (India): Cryoablation in Recurrent Adamantinoma of the Tibial Diaphysis in a Pediatric Patient - A Case Report
PP016	Yusei Katsuyama (Japan): Risk Factors Associated with Delayed Bone Union after Reconstruction Using liquid Nitrogen–Treated Autografts Following Tumor Resection
PP017	Adyb - Adrian Khal (Romania): Stability over Mobility: Vascularized Fibular Graft Arthrodesis for Complex Proximal Humerus Oncologic Reconstruction
PP018	Nong Lin (China): Induced Membrane Technique versus Liquid Nitrogen–Treated Recycled Autograft Combined with Free Vascularized Fibular Graft for Reconstruction of Femoral Defects after Resection of Malignant Tumors: A Comparative Study of Two Biological Reconstruction Meth
PP019	Jiri Lorenc (Czech Republic): Femoral Head Epiphyseo-Separation and Vascularized Fibular Autograft Reconstruction for Proximal Femur Ewing Sarcoma: A 12-year Follow-up
PP020	Shinji Miwa (Japan): Graft survivals after reconstruction using tumor-bearing frozen bone in the extremities
PP021	Bugra Alpan (Turkey): Limb salvage outcomes following periacetabular resections in pediatric and adolescent patients
PP022	Andrea Sambri (Italy): Graft Infections in Biologic Reconstructions in the Oncologic Setting: Preliminary Results of a Multicentric Study
PP023	Xiaobo Yan (China): Comparative Study of Segmental Prosthesis Combined with Allogeneic Bone Plate and Flanked Segmental Prosthesis in the Treatment of Femoral Shaft Tumor Defects after Resection
PP024	Ilyas Rafi (Pakistan): Outcomes of Biological Reconstruction with Liquid Nitrogen-treated Bone in Bone Sarcomas in Developing Countries
PP025	Soufyan Maazouzi (The Netherlands): Kinetic compensatory mechanisms during walking in rotationplasty patients: A cross-sectional study

Bone Sarcoma I

Chairs: **Patricio Alfaro** (Chile) – **Zeeshan Khan** (Pakistan)

PP026	Mohammed Arafah (Saudi Arabia): Tranexamic Acid and Tourniquet Use in Osteosarcoma Resection and Reconstruction: A Retrospective Study
PP027	Won-Jong Bahk (South Korea): Differentiation of Enchondroma and Low-Grade Chondrosarcoma of the Hand: A Clinicoradiologic–Pathologic Study
PP028	İbrahim Halil Demir (Turkey): Malignancy in Cartilage Tumors Predict By Inflammatory Markers
PP029	Jorinde Denissen (The Netherlands): Physical Therapy Protocols for Patients with a Megaprosthesis after Bone Tumor Resection
PP030	Khalil Farooque (Pakistan): Comparative Evaluation of Mega Prostheses for Proximal Tibia and Distal Femur Sarcoma Reconstruction: Clinical Outcomes and Complications in a Retrospective Cohort Study
PP031	Yucheng Fu (China): The Prognostic Value of Pretreatment Complete Blood Count Parameters in Primary Osteosarcoma: A Multicenter Study of 449 Cases after Limb-Salvage Surgery
PP032	Magdalena Maria Gilg (Austria): Is Core Needle Biopsy Tract Resection Mandatory in Sarcoma Patients? A Cross-sectional Survey of Orthopaedic Oncologists’ Practices
PP033	Phakamani G Mthethwa (South Africa): Progression of Conventional Osteosarcoma of the Appendicular Skeleton on Adjuvant Chemotherapy: Single-Centre Results of 3-year Minimum Follow-up within South Africa
PP034	Phakamani G Mthethwa (South Africa): Prognostic Factors for Overall Survival of Conventional Osteosarcoma of the Appendicular Skeleton within a Single-Centre South Africa
PP035	Akshay Tiwari (India): A Structured NGO-Supported Care Pathway for Paediatric Bone and Soft-Tissue Sarcomas in India: A Multicentre Model to Improve Equitable Access, Limb-Salvage, and Survival Outcomes
PP036	Karoline Schwarz (Austria): Iatrogenic Tumor Cell Seeding Following a Pathologic Fracture in an Undiagnosed Osteosarcoma: A Case Report
PP037	Qianyu Shi (China): Detection of Molecular Residual Disease in Osteosarcoma using Circulating Tumor DNA
PP038	Yasunori Tome (Japan): Impact of Recurrence and Metastasis Timing on the Prognosis of Osteosarcoma
PP039	Anna Cooper (United States): Innovative Large-Gap Nerve Reconstruction during Limb-Salvage for Recurrent Popliteal Osteosarcoma requiring Tibial Nerve Resection
PP040	Shoufeng Wang (China): Biological reconstruction of bone defect after resection of osteosarcoma in distal tibia
PP041	Hüseyin Yusuf Yildiz (Turkey): Evaluation of the Functional Results of Reconstruction with Endoprosthesis for Distal Femur and Proximal Tibia Primary Musculoskeletal Tumors

Bone Sarcoma II

Chairs: **Philip Rowell** (Australia) - **Christian Pauritsch** (Austria)

PP042	Sumin Jeong (United States): Size-Stratified Chemotherapy Effects in Soft Tissue Sarcomas: A Propensity Matched Cohort Analysis
PP043	Mishari Alanezi (Saudi Arabia): Which comes First In Osteosarcoma Management, Chemotherapy or Surgery? A Systematic Review and Meta-analysis of Oncological Outcomes
PP044	Mouli Edward (Indonesia): Neglected Case of Osteosarcoma II B on the Distal Right Femur with Ulcer Penetrating Both Sides of the Left Thigh
PP045	Odion Binitie (United States): Area Deprivation Index Impact on Adolescents and Young Adults with Bone Sarcoma
PP046	Ezekiel Dingle (United States): Trivariate Spline Modeling of BMI-operative Time-hematocrit Interactions for Transfusion Risk Prediction in Sarcoma Surgery
PP047	Mohammad Halawani (Saudi Arabia): Reconstruction of the Distal Fibula with a Trevira Tube following Oncologic Resection: A Case Series
PP048	Anna Hohensteiner (Austria): Leiomyosarcoma of Bone – A Single Center Experience with 19 Cases of a Rare Entity
PP049	Mustafa Onur Karaca (Turkey): Impact of Histological Grade and Surgical Margin Status on Outcomes in Low-grade Osteosarcoma: A Retrospective Cohort Study
PP050	Taisuke Matsuyama (Japan): World’s First Case of De-differentiated Adamantinoma with Osteosarcomatous Differentiation: A Novel Two-stage Reconstruction Strategy using a Temporary Arteriovenous Shunt
PP051	Oluwaseyi Idowu (Nigeria): Diagnostic Value of Inflammatory Markers in Primary Bone Sarcomas
PP052	Noel Rex Penaranda (Philippines): Unique Capabilities of Rotationplasty Demonstrated in Two Rare Pediatric Cases
PP053	Haijie Liang (China): SKP2 Marks Immune Exclusion and Predicts Checkpoint Outcomes: Pan-cancer Multi-omics with in Vivo Validation in an Immunocompetent Osteosarcoma Model
PP054	Zachary Reuter (United States): Lateral Knee Reconstruction after Complex Tumor Resection: A Retrospective Case Review of Patients with Tumors of the Proximal Fibula and Surrounding Soft Tissues
PP055	Abigail Tud (Philippines): Pathological Fracture in Localized High Grade Osteosarcoma: Limb Salvage or Amputation?
PP056	Arvid Von Konow (Sweden): No Survival Benefit following Implementation of Standardized Care Pathway for Bone Sarcoma in Sweden
PP057	Rezeart Dalipi (North Macedonia): Does the Choice of Reconstruction Matter? Hemiarthroplasty versus Intramedullary Nail Osteosynthesis for Pathological Metastatic Fractures of the Proximal Femur: Clinical, Functional, and Quality-of-Life Outcomes

Infections I

Chairs: **Mariel Spense** (Argentina) - **Eric Mascard** (France)

PP058	Omar Aldosari (Saudi Arabia): Two-stage Management of Prosthetic Infection after Pediatric Total Femur Replacement: Custom 3D-printed Mold and Antibiotic Cement Spacer Enabling Limb Salvage
PP059	Lorenzo Andreani (Italy): Limb Salvage in Large Segmental Bone Infections Using Hand-Made Antibiotic-Loaded Megaspacers: Surgical Technique and Early Outcomes
PP060	Joseph Benevenia (United States): Management of Complications in Patients Treated with Photodynamic Polymer Stabilization for Metastatic Bone Disease
PP061	Mattie Raiford (United States): Does Adding Calcium Sulfate Beads Lead to Higher Treatment Success Rates in Megaprosthetic Joint Infections?
PP062	Alex Hayden (United States): Surgical Management of Infected Tumor Endoprostheses: Survivorship and Mid-term Implant Prognosis
PP063	Christina Enciso Holm (Denmark): Evaluation of modular segmental distal femur mega-prostheses: Patient survival, surgical outcomes and functional outcome
PP064	Hyun-Soo Kim (South Korea): Clinical Outcome of Periprosthetic Infection after Tumor Reconstruction
PP065	Cail Aleksei Lingatong (Philippines): Outcome of Delayed Conversion from Arthrodesis to Megaprosthesis in Patients with Osteosaroma Around the Knee: A Case Series
PP066	Tomas Zamora (Chile): How Durable Are Lower Extremity Megaprostheses? Mid- and Long-Term Revision-Free Survival and Predictors of Failure from a Contemporary Institutional Cohort
PP067	Berksu Polat (Turkey): Surgical Management and Risk Factors of Stem Breakage in Megaprosthetic Limb Salvage: The "Extended Osteotomy" Technique and the Impact of Stem Diameter
PP068	Sarah Tepper (United States): Factors Related to Aseptic Loosening in Endoprosthetic Reconstruction of the Proximal Tibia
PP069	Pietro Ruggieri (Italy): Megaprosthetic Reconstruction for Limb Salvage in Complex Oncologic and Non-Oncologic Lower Limb Revisions
PP070	Marisa Ulrich (United States): Inflammatory Markers in Periprosthetic Joint Infection of Tumor Endoprostheses versus Primary Arthroplasty: A Matched Comparison
PP071	Susanne Scheipl (Austria): Hydatid cysts in the musculoskeletal system: Retrospective case analysis and overview of Austrian epidemiology
PP072	Pawet Łęgosz (Poland): Don’t repeat our mistakes - complications and management of Total Femur Replacement

Pelvic Reconstructions I

Chairs: **Miguel San Julián Aranguren** (Spain) - **Arianna Rizzo** (Italy)

PP073	Juan Chaustre (Colombia): Surgical Challenges and Reconstruction Outcomes in Hip Osteoradionecrosis: A Ten-Year Experience at a National Cancer Reference Center
PP074	Minna Laitinen (United Kingdom): Reducing Complication in Pelvic Resection: An Aggregation of Marginal Gains
PP075	Xiu Wen Ling (Malaysia): Outcome of Type 4 Pelvic Resection and Reconstruction with a High Hip Center in Malignant Pelvic Tumors: A Case Series and Short-term Review
PP076	Juan Barriga (Canada): Modular Reconstruction of The Acetabulum in Sarcoma Surgery: A Retrospective Cohort Study
PP077	Xiu Wen Ling (Malaysia): Outcome of Type 2 Pelvic Resection and Reconstruction with Acetabular Cage in Malignant Pelvic Tumours: A Case Series and Short-term Review
PP078	Malena Redl (Austria): Should the Pelvic Ring be Closed after Tumor Resection? A Systematic Review
PP079	Mohd Ariff bin Sharifudin (Malaysia): Predictors of Major Haemorrhage in Internal Hemipelvectomy: A Focus on Acetabular Involvement
PP080	Bruno Terrarossa (Argentina): Incidence of Complications in Pelvic Tumor Resection and Reconstruction Surgery Using 3D Technology
PP081	Mohammad Hardian Basuki (Indonesia): The Clinical Decision-Making in Pelvic Metastatic Bone Disease: A Registry-Based Comparison of ISOLS Scores in a Tertiary Oncology Center
PP082	Mohammad Hardian Basuki (Indonesia): Hemipelvectomy Functional Outcomes in Pelvic Tumor Patients at Tertiary Referral Centers: A Retrospective Study
PP083	Zhaoming Ye (China): Fertility Intentions and Outcomes in Reproductive-aged Women Following Pelvic Tumor Surgery
PP084	Faqi Nurdiansyah Hendra (Indonesia): Clinical Outcomes and Safety of Percutaneous Cement-Augmented Stabilization for Periacetabular Metastatic Lesions: A Systematic Review and Meta-analysis

Thursday, September 24, 2026 (08:00-09:00)

Soft Tissue Sarcomas I

Chairs: Nadine Williams (United States) - Maria Anna Smolle (Austria)

PP085	Anna Cooper (United States): Can we Operate Sooner? Earlier Surgery after Pre-operative Radiation does not Increase Wound Complications in Soft Tissue Sarcoma Care
PP086	Brett Bukowski (United States): Perioperative Blood Transfusion and Oncologic Outcomes in Myxofibrosarcoma
PP087	Marcos Galli Serra (Argentina): Simultaneous Resection of Synchronous Myxoid Liposarcoma of the Popliteal Fossa and Distal Femur with Limb-Salvage Oncologic Endoprosthetic Reconstruction
PP088	Praveen Gupta (India): Impact of Microscopic Margins of Soft Tissue Sarcomas Resected with Curative Margins; A Single Centre Observational Study
PP089	Chang-Bae Kong (South Korea): Clinical Impact of Adjuvant Therapy and Prognostic Factors in Localized Myxofibrosarcoma: A Retrospective Single-Center Study with Long-Term Follow-Up
PP090	Siu Ming Anderson Leung (China): Achieving independent ambulation with ankle-foot orthoses after sciatic nerve sacrifice for high-grade sarcoma: a retrospective analysis
PP091	Chiao Yee Lim (Malaysia): A Report of Two Cases – Soft Tissue Sarcomas in Extreme Age Group
PP092	Pocholo Iñigo Morales (Philippines): High-Grade Angiosarcoma Arising Beside a Pelvic Orthopedic Implant: A Case Report
PP093	Himanshu Rohela (India): A Decade of Experience in Soft Tissue Sarcoma with Synchronous Pulmonary Metastases: Prognostic Factors and Long-Term Survival Insights.
PP094	Nor Faissal Yasin (Malaysia): Survival and Recurrence in Liposarcoma: Insights from a Single-centre Asian Cohort Study
PP095	Emre Tepedelenlioglu (Turkey): Outcome of Soft Tissue Popliteal Sarcomas: 15 Years of Experience
PP096	Desirée Dorleijn (Belgium): Multidisciplinary Surgical Meetings in Sarcoma Care: Current Practices and Opportunities for Improvement – A Qualitative Descriptive Pilot Study
PP097	Floortje Verspoor (The Netherlands): Planned Versus Unplanned Excision of Soft Tissue Sarcoma: A Systematic Review of Risk Factors, Oncologic Outcomes and Costs
PP098	Masami Hosaka (Japan): Experience in multidisciplinary collaborative surgery for malignant tumor arising from the chest wall
PP099	Kensaku Yamaga (Japan): Factors Associated with Delayed Referral to a Specialized Center in Soft Tissue Sarcoma
PP100	Lena Stojec (Austria): CLCN6-BRAF Gene Fusion Spindle Cell Sarcoma in a Pediatric Patient: A Case Report
PP101	Pablo Patino (United States): Geographic Distance to Treatment Center Influences Demographics and Treatment Patterns in Soft Tissue Sarcoma: A National Cancer Database Analysis

Friday, September 25, 2026

10:30-11:00

Poster Session II (PART 1)

Basic Science II

Chairs: **Blaz Mavcic** (Slovenia) - **Sarah Freund** (Denmark)

PP102	Andreas Leithner (Austria): Precision Carbon Ion Therapy in Chondrosarcoma via DNA Repair Targeting: In Vitro Insights
PP103	Maria Anna Smolle (Austria): Prevalence of intraosseous calcaneus lipomas on MRI scans. A retrospective cohort study.
PP104	Chenglong Chen (China): Mannose-targeted Liposomal Doxorubicin Inhibits Osteosarcoma Progression via FoxO Pathway Regulation and Metabolic Reprogramming
PP105	Gaston Chiesà (Argentina): Effect of hyaluronic acid and mesenchymal stem cells on the mechanical properties of regenerated bone following critical bone defects due to tumor resection
PP106	Hsiang Chieh Hsieh (Taiwan): Diabetes Mellitus and Time-Updated Glycemic Control are Associated with Increased Risk of Interventional Skeletal-Related Events in Stage I–III Breast Cancer
PP107	Zhen Chang Liang (Singapore): Carboxylic-Acid Functionalised Polycarbonates as Bone Cement Additives for Improved Antibiotic Delivery to Prevent Infections in Endoprosthetic Reconstruction
PP108	Marcio Moura (Brazil): Evaluation of the Identification of Simulated Neoplastic Bone Lesions in Porcine Femurs - Experimental Study
PP109	Hiromichi Oshiro (Japan): Prognostic Prediction using Nutritional Tools for Patients with Bone-Metastatic Non-small Cell Lung Cancer
PP110	Yoshiyuki Suehara (Japan): Real-world Landscape of Actionable Genomic Alterations in Bone and Soft Tissue Tumors Based on the Japanese C-CAT Database: A 2025 Update
PP111	Abigail Tud (Philippines): Slow-thaw versus Fast-thaw: Does Prolonged Cryogen Exposure Time Induce more Tumor Cell Apoptosis?
PP112	Haijie Liang (China): Patient-specific Finite Element Analysis of Percutaneous Tripod Reconstruction for Periacetabular Metastases: Biomechanical Stratification by the Metastatic Acetabular Classification
PP113	David Wood (Australia): Neo-angiogenesis in Osteosarcoma; A potential therapeutic target

Benign Bone Tumours I

Chairs: **Xiaobo Yan** (China) - **Tomas Zamora** (Chile)

PP114	Vivek Ajit Singh (Malaysia): The Clinical, Functional and Oncological Outcomes of Patients with Giant Cell Tumour of Bone at University Malaya
PP115	Cecilia Belzarena (United States): Technical Pearls for Brachial Plexus Schwannoma Resection: Safe Dissection, Strategic Exposure and Nerve Preservation
PP116	Maximilian Thomas Buchwald (Austria): Challenging the Sarcoma Mimic: Benign Genomic Architecture in Infiltrative USP6-Rearranged Nodular Fasciitis – A Retrospective Study
PP117	Chung Ming Chan (Singapore): Management of Knee Contracture; A Case Secondary to Aggressive Fibromatosis Treated with Surgery and Radiation
PP118	Edoardo Ipponi (Italy): Return to sport after curettage for benign and locally aggressive bone tumors
PP119	Muni Srikanth Iytha (India): Limb Salvage in Recurrent Gaint Cell Tumour of Distal Tibia with Fungating Ulcer
PP120	Bennie Lindeque (United States): Recurrence Rate of Atypical Lipomatous Tumors: A Retrospective Study
PP121	Michal Mahdal (Czech Republic): Combined Denosumab and Sunitinib Treatment Effectively Reduces the Viability of Tumor Cells in a Giant Cell Tumor of Bone
PP122	Hideji Nishida (Japan): Three Cases of Calcific Myonecrosis of the Lower Leg
PP123	Muhammad Rizqi Adhi Primaputra (Indonesia): Extended Curretage vs En-Bloc Resection for The Treatment of Giant Cell Tumor: A Systematic Review
PP124	Isabella Victoria Rosello (Philippines): Polyethylene Wear Pseudotumor in a 66-Year Old Female Following Metal-on-Polyethylene Total Hip Arthroplasty: A Case Report and Review of Literature
PP125	Shoufeng Wang (China): Surgical management of giant cell tumor of bone with pathological fracture and complications
PP126	Andreas Leithner (Austria): Long-term MRI Follow-up of Lesion Characteristics in Enchondromas and Atypical Cartilaginous Tumors of the Knee and Shoulder

Biological Reconstructions II

Chairs: **Susanne Scheipl** (Austria) - **Anna Hohensteiner** (Austria)

PP127	Mariel Spense (Argentina): Intercalary Allograft Reconstruction of the Femur for Malignant Bone Tumours. Functional Outcomes and Complications
PP128	Mohammad Altayeb (United Kingdom): Outcome of Allograft reconstruction after tumour resection, single centre cohort study.
PP129	Thanapon Chobpenthai (Thailand): A Review on Bone Tumor Management: Cutting-Edge Strategies in Bone Grafting, Bone Graft Substitute, and Growth Factors for Defect Reconstruction.
PP130	Brooke M. Crawford (United States): Recurrent Revision Following Oncologic Distal Femoral Replacement: A Single Center Evaluation of Failure Characteristics
PP131	Mouli Edward (Indonesia): 13 Years Evaluation Osteosarcoma II B of The Left Distal Femur after Resected and Reconstruction by Pasteurized Autograph of Left Distal Femur and Distal Femur Nail Fixation
PP132	Ahmed Mounir Elsayed (Qatar): Innovative Resection Technique and Biological Reconstruction for Proximal Femur Malignant Bone Tumor in a Pediatric Patient
PP133	Panayiotis Gavriil (Greece): Biological Reconstruction of Medial Instability Following Total Ankle Arthroplasty with Custom 3D-Printed Talus Replacement
PP134	Hüseyin Kaya (Turkey): Limb Salvage For Malignant Bone Tumors Of Distal Tibia With Extracorporeally Irradiated Autograft
PP135	Zeeshan Khan (Pakistan): Biological reconstruction of distal tibia neoplasms. Logical or a futile journey, not worth considering.
PP136	Phongsathorn Meethawolgul (Thailand): Stem-Allograft Composite Augmentation in Proximal Femur Endoprosthetic Reconstruction: A Finite Element Study
PP137	Mohd Ariff bin Sharifudin (Malaysia): Injectable Calcium Sulphate Following Curettage of Benign Bone Cysts: A Case Series on Graft Incorporation and Functional Recovery
PP138	Ong Shir Lee (Malaysia): Economical 3D-printed Mould Technique for Biological Reconstruction in Orthopedic Oncology
PP139	Humaid Al Farii (Oman): Figure-of-Eight Patellar Tendon Reconstruction in Proximal Tibial Megaprosthesis: A Pilot Study of a Novel Surgical Technique

Friday, September 25, 2026

15:30-16:00

Poster Session II (PART 2)

Bone Sarcoma III

Chairs: **Bugra Alpan** (Turkey) – **Toshifumi Ozaki** (Japan)

PP140	Shaohua Du (China): Using Two New Activated Chemiluminescent Probe to Detect the Aminopeptidase N/CD13 (APN) and Leucine Aminopeptidase (LAP), in Osteosarcoma Patients and the Prognosis of Recurrence and Metastasis
PP141	Omar Aldosari (Saudi Arabia): Preoperative Inflammatory and Nutritional Biomarkers as Predictors of Postoperative Complications in Bone and Soft Tissue Sarcoma Surgery
PP142	Jungo Imanishi (Japan): Are Age Over 50 Years, Cortical Thickness Less Than 2.5 mm or Smoking Status Contraindications for Compressive Osseointegration Devices? A Clinical Review of 17 Patients by a Single Surgical Team in Japan
PP143	Emir Benca (Austria): Primary Stability of Percutaneous Implants for Transfemoral Amputees: A Biomechanical Ex Vivo Study
PP144	Felipe Murad (Argentina): Bone margins in malignant bone tumors of the extremities
PP145	Vishnu Ramanujan (India): Results of Low Cost Nail Cement Spacer Following Intercalary Resections of the Lower Limb: Where Less is Actually More
PP146	Teodora Todorova (North Macedonia): Biopsy Tract Contamination after an Open Biopsy in Chondrosarcoma Patients: Case Series
PP147	Hiroshi Urakawa (Japan): The Discordance Between Pre- and Post-Operative Pathological Diagnoses in Chondrosarcoma: From a Specialized Sarcoma Treatment Center in Japan
PP148	Lee Zuckerman (United States): Role of Immunotherapy in IDH Mutated Chondrosarcoma - Case Series and Review of the Literature
PP149	Maurizio Scorianz (Italy): Surgical Management of Chest Wall Chondrosarcoma: Reconstruction Strategies and Early Postoperative Outcomes in a Single-Center Series
PP150	Ting Yu Shih (Taiwan): Forearm limb salvage procedures for primary malignant osseous tumors
PP151	Pawan Kumar Suthar (India): Limb Salvage with Cement Spacer for Malignant Calcaneal Bone Tumors
PP152	Yousef Naser (Slovakia): Evaluation of Patients Undergoing Limb Salvage Surgery for Bone Sarcomas of the Lower Limb

Bone Sarcoma IV

Chairs: **Rodrigo Cardoso** (Brazil) – **Shaneel Deo** (New Zealand)

PP153	Sarah Tepper (United States): Dedifferentiated chondrosarcoma demonstrates rapid development of metachronous pulmonary metastasis: a time-to-event analysis
PP154	Abdullah Alanazi (Saudi Arabia): Correlation between MRI Template and Tumor Resection for Safety Margin – A Retrospective Study
PP155	Abdulrahman Bobseit (Saudi Arabia): Impact of Surgical Margin on Local Recurrence and Survival in Bone Ewing Sarcoma of Extremities. When Do We Need Radiotherapy? A Meta-analysis.
PP156	Miguel Santana Costa (Brazil): Gait and Quality of Life After Resection of Foot and Ankle Tumors: A Functional Analysis
PP157	Minal B Shivaprakash (India): The Bio-Prosthetic Era: Hybrid Reconstruction Of Bone Tumors - A Case Series
PP158	Oluwaseyi Kayode Idowu (Nigeria): Challenges and outcome of management of chondrosarcoma at a regional musculoskeletal oncology unit in Sub-Saharan Africa
PP159	Siddhartha Laskar (India): Post Operative Radiotherapy (PORT) following Limb Salvage Surgery (LSS) in Children with Ewings Sarcoma
PP160	Dimitra P. Papagelopoulos (Greece): Artificial Intelligence in Primary Malignant Bone Tumor Imaging
PP161	Charalampos Pavlopoulos (Greece): Treatment of Proximal Tibial Osteosarcoma with En Bloc Resection and Oncologic Megaprosthesis Reconstruction
PP162	Anand Raja (India): Does Definitive radiation therapy play a role in "operable" Ewing sarcoma of the extremities and pelvis?
PP163	Thomas J. Scharschmidt (United States): Metabolic Response and Tumor Mineralization on PET/CT as Predictors of Histologic Necrosis in Osteosarcoma
PP164	Thomas J. Scharschmidt (United States): Postoperative Fever after Radical Resections of Pediatric Extremity Sarcomas is Not Associated with Positive Blood or Urine Cultures

Imaging Techniques

Chairs: **Mauricio Etchebehere** (Brazil) - **Francisco Bengoa** (Chile)

PP165	Ali Ijaz Ahmad (Pakistan): 18F-FDG PET/CT–Guided Surgical Planning for Sarcoma Resection in the Presence of MRI-Incompatible Implants: A Case Series
PP166	Withdrawn
PP167	Bilgehan H. Cevik (Canada): Feasibility and Utility of Synoptic 3D Virtual Reality Imaging Reports for Complex Sarcoma Surgery
PP168	Michiyuki Hakozaiki (Japan): Preoperative PET/MRI Findings for the Planning of Additional Wide Resection of Soft Tissue Sarcomas: How Useful is it?
PP169	Reynaldo Jesus-Garcia (Brazil): Can PET-CT Improve the Diagnostic Accuracy of Central Cartilaginous Tumors? A Risk-Stratified SUVmax Model
PP170	Min Wook Joo (South Korea): Do Pre-referral Magnetic Resonance Imaging Scans for Soft-tissue Tumors Fulfill Current Technical and Reporting Recommendations?
PP171	Amar Kamat (India): How Useful is Navigation with Automatic Registration using a 3D C-arm in Orthopaedic Oncology?
PP172	Eunkyu Yang (South Korea): Susceptibility Artifact Evaluation for 3D Printed Metal Implant According to Porosity Variation and Design: Ex Vivo Study
PP173	Akshay Tiwari (India): Accuracy of MRI in predicting response to chemotherapy in Primary Bone Sarcomas: A Radiological–Histopathological Correlation Study
PP174	Florian Pengg (Austria): Osteoid Osteoma – A Retrospective Single-Center Data Analysis of 420 Cases
PP175	Florian Pengg (Austria): Treatment Outcomes of Osteoid Osteoma around the Foot and Ankle – A Retrospective Single Center Study
PP176	Tomotaka Yoshida (Japan): Does Pre-referral Ultrasonography Contribute to Appropriate Referral of Soft Tissue Sarcomas?
PP177	Elisa Bruatto (Italy): Prediction of Femoral Fracture Risk in Patients with Bone Metastases
PP178	Sarah Tepper (United States): Integrating BACTIP and the Radiological Aggressiveness Score into a Stepwise Management Algorithm for Intramedullary Cartilage Tumors

Soft Tissue Sarcomas II

Chairs: **Christoph Hofer** (Austria) - **Magdalena Maria Gilg** (Austria)

PP179	Anna Cooper (United States): Radiation-associated Femoral Nonunion and Fixation Failure following Limb-salvage Surgery for Anterior Thigh Soft Tissue Sarcoma: Two Case Reports and a Review of the Literature
PP180	Muhamad Naseh Sajadi Budi (Indonesia): Unraveling the Causes of Diagnostic and Therapeutic Delay in Healthcare Settings: An Analytical Study in a General Hospital
PP181	Tymoteusz Budny (Germany): The Impact of Resection Margins in Primary Resection of High-grade Soft Tissue Sarcomas
PP182	Stéphane Cherix (Switzerland): Role of Abdomino-Pelvic CT In Detecting Metastatic Disease In Musculoskeletal Soft Tissue Sarcomas
PP183	Jun Iwatsu (Japan): Clinical Outcomes of Prophylactic Intramedullary Nailing to Prevent Post-Radiation Fractures in Soft Tissue Sarcoma of the Lower Extremity
PP184	Marco Focaccia (Italy): Prognostic Impact of Soft Tissue Sarcoma Lymph Node-Metastases: Early vs Late Onset
PP185	Philipp Funovics (Austria): Adult Rhabdomyosarcoma - A Retrospective Single-Center-Study
PP186	Yoko Hagiwara (Japan): Treatment of Unresectable Soft Tissue Sarcoma in Elderly Patients with Multiple Metastases at Initial Diagnosis
PP187	Krista Goulding (United States): National Trends and Burden Composition of Soft Tissue and Extraosseous Sarcomas in the United States, 1990-2023
PP188	Hüseyin Yusuf Yildiz (Turkey): Primary Intra-articular Sarcomas: A Retrospective Review of Eight Cases
PP189	Samuel Broida (United States): Risk Factors and Outcomes of Local Recurrence in Synovial Sarcom
PP190	Berksu Polat (Turkey): Survival and Complication Profile in Myxoid Liposarcomas: An 18-Year Retrospective Analysis
PP191	Tatsuro Saruga (Japan): Preoperative D-Dimer–Guided Screening for Venous Thromboembolism in 2,176 Patients Undergoing Surgery for Bone and Soft-Tissue Sarcoma
PP192	Seiji Shimomura (Japan): Does Infiltrative Growth Pattern Affect Outcomes after Unplanned Excision of Soft Tissue Sarcomas?
PP193	Emir Mustaqim Zulkharnain (Malaysia): The Blue Cell Challenge: Navigating a Diagnostic Dilemma in Renal Extraskeletal Ewing Sarcoma: A Case Report
PP194	Ying Jin Tan (Singapore): Frozen, Not Forsaken: Limb-Sparing Cryoablation for Axillary Desmoid Tumour

Saturday, September 26, 2026

11:00-12:00

Poster Session III

Benign Bone Tumours II

Chairs: **Francisco Linares** (Colombia) - **Ermias Gizaw Hailemeskel** (Ethiopia)

PP195	Joseph Benevenia (United States): Diminished Remaining Subchondral Bone Predicts Risk for Fracture or Arthritis following Treatment of Giant Cell Tumor of Bone at the Knee
PP196	Gaston Chiesa (Argentina): Coexistence of McCune-Albright syndrome and rheumatoid arthritis: case report.
PP197	Alfons Datui (Indonesia): Functional Outcome of Modified Elbow Reconstruction After Resection of Giant Cell Tumor Distal Humerus and Literature Review
PP198	Mohd Ariff bin Sharifudin (Malaysia): Pubertal Growth Spurt of a Fibular Osteochondroma: A Limb Salvage Pitfall Mimicking Sarcoma in a Child with MHE
PP199	Michiyuki Hakozaiki (Japan): Glomus Tumors: Pitfalls in Diagnosis of Atypical Cases Compared to Typical Subungual Cases
PP200	Masami Hosaka (Japan): Usefulness of bone cement in operation for giant cell tumor of bone
PP201	Bianca Johnson (Australia): The Use of Bonalive Synthetic Graft in the Treatment of Benign Bone Tumours and Associated Complications
PP202	Hatice Karatas (Austria): Management of Incidental Enchondromas and Atypical Cartilaginous Tumors in Primary Total Knee Arthroplasty: A Retrospective Single-center Case Series
PP203	Jaeyoung Lee (South Korea): Recurrence Analysis Following Surgical Treatment of Giant Cell Tumor of Bone
PP204	Akira Nabeshima (Japan): Clinical and Radiographic Outcomes of Cotton-shaped β-Tricalcium Phosphate after Curettage of Hand Enchondroma
PP205	Kousik Nandy (India): Giant cell tumour in pregnancy - an unusual behaviour pattern in a challenging scenario
PP206	Hideto Obata (Japan): Benign Lipomatous Tumors: Clinical Features and Outcomes of Surgical Treatment — A Single-Institution Retrospective Study
PP207	Dimitra P. Papagelopoulos (Greece): Artificial Intelligence in Benign Bone Tumor Imaging
PP208	Dareen Rednah (Australia): should chest imaging obtain as routine in patient diagnosed with GCT to detect chest metastatic?
PP209	Katharina Slota (Austria): Atypical Aggressive Lipofibromatosis-like Neural Tumor. A Case Report
PP210	Kongtap Sukreerak (Thailand): Spontaneous Necrosis and Auto-Amputation of Hemangiomas in Maffucci Syndrome Following Vasopressor Therapy: A Multifactorial Cascade
PP211	Bruno De Paula Leite Arruda (Brazil): Analysis of Gait and Functionality in Patients Undergoing Curettage for Intermediate Knee Tumors
PP212	Emre Tepedelenlioglu (Turkey): Giant Cell Tumor of the Tendon Sheath in Acral Regions: Demographics, Localization and Prognostic Factors
PP213	Jin Wang (China): Exploring the genetic landscape and immune profiling of desmoid tumors
PP214	Kester Ng Wee (Philippines): Malignant Transformation of Giant Cell Tumor of Bone: A Report of 7 Cases from a Sarcoma Referral Center in the Philippines
PP215	Yong Zhou (China): Minimally Invasive Treatment of Unicameral Bone Cysts with Calcium Phosphate Cement: A Retrospective Study on Efficacy, Recurrence, and Bone Healing
PP216	Mylène J.C. Duivenvoorden (The Netherlands): Most Delay in Giant Cell Tumor of Bone Occurs Before Referral to a Sarcoma Center: A Retrospective Cohort Study
PP217	Mylène J.C. Duivenvoorden (The Netherlands): What is the Safety Profile of Long-Term Denosumab Treatment for Giant Cell Tumor of Bone? A Systematic Review

Infections II

Chairs: **Adriana Hernandez Lopez** (Mexico) – **Isidro Angel Gràcia Alegria** (Spain)

PP218	Alan Blank (United States): Distal Femur Replacement for Oncologic vs. Non-Oncologic Indications: A Comparative Analysis of Outcomes
PP219	Alan Blank (United States): Primary versus Secondary Patellar Resurfacing in Oncologic Megaprosthesis Knee Reconstruction: A Multi-institutional Retrospective Cohort Analysis
PP220	Megan Badejo (United States): Infection Following Endoprosthetic Reconstruction of the Proximal Humerus: A Multi-Institutional Collaborative Study
PP221	Luis Carlos Gomez Mier (Colombia): Does Size Matter? Analyzing Stem Length and Fill Ratio as Predictors of Megaprosthesis Integration
PP222	Zyad Aldosari (Saudi Arabia): Outcomes Of Lower Extremity Endoprosthetic Reconstruction For Osteosarcoma: A Single-Center Experience
PP223	Maria Alves Parreira (Portugal): Bilateral Proximal Femoral Endomegaprostheses for Chronic Hip Periprosthetic Infection: Limb Salvage Surgery in a Medically Complex Patient
PP224	Niklas Deventer (Germany): Long-Term Outcomes Following Reconstruction of Diaphyseal Defects of the Upper and Lower Extremities Using Diaphyseal Implants
PP225	Claudia Di Bella (Australia): Outcomes of Endoprostheses around the Knee for Oncologic Indications in Australia
PP226	Michele Boffano (Italy): Megaprosthesis revision in long survival patients. How to deal with older prosthesis?
PP227	Fabio Fernando Eloi Pinto (Brazil): Does Intraoperative Use of Antibiotic-Impregnated Calcium Sulfate Beads Reduce Postoperative Infection in Primary Nonconventional Endoprosthetic Reconstructions?
PP228	Anna Hohensteiner (Austria): Osteosarcoma and Visceral Metastases in the Hepatopancreatobiliary System
PP229	Panayiotis J. Papagelopoulos (Greece): Clinical Outcomes of Periprosthetic Infections following Oncologic Megaprosthesis Reconstruction: A Retrospective Cohort Study
PP230	Rapin Phimolsarnti (Thailand): Revision of Expandable Prosthesis to Another Expandable Prosthesis: The Outcome of the First Expandable Prosthesis in Thailand.
PP231	Brooke Crawford (United States): Radiographic Alignment and Revision Rates of Megaprosthetics: Comparison of All-Polyethylene versus Metal-Backed Tibial Components
PP232	Akira Nomura (Japan): Continuous Local Antibiotic Perfusion (CLAP) for Refractory Postoperative Infection after Bone Tumor Surgery
PP233	Gene Kulesha (United States): Ex Vivo Antibacterial Efficacy of MDPB-Coated Cobalt Chromium Implants against Staphylococcus Aureus and Staphylococcus Epidermidis in Reducing Bacterial Contamination
PP234	Kei Takeuchi (Japan): Short-term Clinical Outcomes and Radiographic Assessment of Compressive Osseointegration Fixation for Malignant Bone Tumors: A Single-center Experience in Japan

Saturday, September 26, 2026 (11:00-12:00)

Megaprostheses

Chairs: **Manish Agarwal** (India) - **Gerhard Hobusch** (Austria)

PP235	Elisa Pala (Italy): Distal Tibia Reconstruction after Bone Tumor Resection: A Single Center Experience
PP236	Charles Baird (United Kingdom): Implant Survival and Limb-salvage Rates following Combined Proximal Tibial and Distal Femoral Endoprosthetic Replacement
PP237	Mattie Raiford (United States): Resection Strategy Rather Than Reconstruction Type Influences Functional Outcomes After Oncologic Extraarticular Knee Resection
PP238	Rebecca O’Keeffe (United Kingdom): Gait and Physical Activity in Patients with Proximal Tibial Replacements after Musculoskeletal Tumours - A Multidimensional Functional Outcome Assessment using the Stanmore OutcoMes Project (STOMP)
PP239	Galust Galustyan (Armenia): Limb Salvage Surgery for Lower Extremity Bone Tumors Using Endoprosthetic Reconstruction: A Single-Center Experience
PP240	Maria Antonia Gomez-Sierra (Canada): Long-Term Outcomes of a Custom Non-Fluted Diaphyseal Press-Fit Stem in Tumor Megaprostheses With Minimum 3-Year Follow-up
PP241	Seyyed Saeed Khabiri (Iran): Functional and oncological outcomes of distal femoral reconstruction in young children: A systematic review and meta-analysis
PP242	Blaz Mavcic (Slovenia): Reoperation rates of megaendoprostheses: A 2010–2025 cohort study
PP243	Alowa Maria Nyssen (Brazil): Long-term Survival and Failure Modes of Endoprosthetic Reconstruction after Limb-salvage Surgery for Musculoskeletal Tumors: A Single-institution Study
PP244	Panayiotis J. Papagelopoulos (Greece): Risk factors for failure of endoprosthetic reconstruction with megaprostheses after musculoskeletal tumor resection
PP245	Muhammad Rizqi Adhi Primaputra (Indonesia): Risk Factors of Periprosthetic Joint Infection Following Limb Salvage Surgery using Megaprosthesis in Bone Tumor Patients: A Systematic Review and Meta-Analysis
PP246	Ahmad Shehadeh (Jordan): Beyond Replacment: Evaluating the Mid-Term Outcome of Joint-Sparing Implants
PP247	Jun Sugaya (Japan): Characteristics of Cementless THA and BHA Reconstruction following Proximal Femoral Bone Tumor Resection at our Institution
PP248	Gwen Sys (Belgium): Attaining the Planned Femoral Rotation During Surgery Remains Challenging in Endoprostheses of the Distal Femur
PP249	Harsha Tadala (India): Oncologic and functional outcomes after excision of proximal femur primary bone tumours and bipolar endoprosthetic replacement
PP250	Pavan Kumar Reddy Thumma (India): MESH-CAP: A Tensioned Mesh Capsular–Abductor Reconstruction Technique to Prevent Dislocation and Improve Abductor Function Following Wide Local Excision with Proximal Femur Megaprosthesis — A Case Series of 12 Patients
PP251	Nor Faissal Yasin (Malaysia): Outcome of constrained acetabular liners in an orthopaedic oncology practice: A short-term review
PP252	Jasprit Kaur (United Kingdom): Proximal tibia resection for primary and metastatic bone tumors with reconstruction using a novel tuberosity-sparing proximal tibial endoprosthetic replacement

Metastases

Chairs: **Michal Mahdal** (Czech Republic) - **Valentin Gruber** (Austria)

PP253	Moh. Asri Abidin (Indonesia): Patient Reported Outcome Measure of Intramedullary Nailing for Complete Metastatic Subtrochanteric Femoral Fractures: A Single-Centre Indonesian Experience
PP254	Ukei Anazawa (Japan): Minimally Invasive Screw Fixation with Tumor Curettage and Bone Cement for Acetabular Bone Metastases: A Report of Five Cases
PP255	Chun Yen Chen (Taiwan): Risk of Local Progression and Distal Seeding in Femur and Humerus Pathologic Fractures Managed with Intramedullary Nailing: A Competing Risk Analysis
PP256	Krista Goulding (United States): Impact of Social Determinants of Health on Postoperative Outcomes Following Surgical Treatment of Pathologic Proximal Femur Fractures
PP257	Maegan Tibbo (United States): Mean Inflation-adjusted Surgeon Reimbursement for Prophylactic Treatment of Impending Femur Fractures has Decreased Over 60% from 2000 to 2024
PP258	Edoardo Ipponi (Italy): Electrochemotherapy in pelvic and vertebral bone metastases: A single institution experience in terms of local and systemic outcomes
PP259	Lai Cheng-Yo (Taiwan): The Impact of Nutritional and Psychological Status on Clinical Outcomes in Patients with Bone Metastases Undergoing Orthopedic Surgery: A Prospective Cohort Study
PP260	Francis Lee (United States): Percutaneous Joint Preserving Stabilization for Ipsilateral Femoral and Acetabular Metastases: Clinical Outcomes and Functional Improvement
PP261	Zhen Chang Liang (Singapore): First-presentation Metastatic Bone Disease in a Well-resourced Healthcare System: A Case Series from Singapore and Implications for Screening
PP262	Bennie Lindeque (United States): Retrospective Review of Renal Cell Carcinoma Patients with Bone Metastases
PP263	Sei Morinaga (Japan): Internal Fixation in Femoral Metastases: Functional Recovery and the Prognostic Impact of Early Postoperative Complications
PP264	Jennifer Paskins (United Kingdom): OXMINT - a unique and dedicated Metastatic Bone Disease service
PP265	Kyung-Jun Sin (South Korea): Clinical Outcome of En Block Resection for Metastatic Bone Cancer
PP266	Ryu Terauchi (Japan): Surgical Intervention and Prognostic Factors in Patients with Initial Pulmonary Metastases from Soft Tissue Sarcoma
PP267	Karl Wu (Taiwan): Retrograde Intramedullary Nailing With Cement Augmentation for Distal Femoral Metastatic Pathologic Fracture: A Limb-Salvage Strategy for Early Mobilization
PP268	Hung-Kuan Yen (Taiwan): Timing of Metastasis Presentation Matters in Extremity Bone Disease - A Comparison between Initial Manifestation and Metachronous Presentation
PP269	Hung-Kuan Yen (Taiwan): Impact of Pre-Diagnostic Anemia on the Risk of Skeletal-related Events in Patients with Breast Cancer
PP270	Emir Mustaqim Zulkharnain (Malaysia): Atraumatic Left Femoral Neck Fracture in Diffuse Skeletal Metastases Treated with Endoprosthetic Reconstruction: A Case Report
PP271	Qinxiang Shant Sin (Singapore): Outcomes of Minimally Invasive Percutaneous Tripod Screw Fixation for Peri-Acetabular Metastases: Early Experience from a Tertiary Care Centre
PP272	Mattie Raiford (United States): Photodynamic Nail Fixation Provides Durable Stabilization for Pelvic Metastases Despite Local Disease Progression

Paediatric Patients

Chairs: **Jong Woong Park** (South Korea) - **Markus Hanna** (Austria)

PP273	Qinxiang Shant Sin (Singapore): Demographical analysis of pediatric patients undergoing amputation for extremity Sarcoma: A Large single Institution series
PP274	Humaid Al Farii (Oman): Risk of Chondrosarcoma Transformation from Multiple Hereditary Exostosis under the age of 18, and suggestion for Screening Protocol. Literature Review
PP275	Saud Alsubaie (Saudi Arabia): Comparative Outcomes of Allografts, Endoprostheses, Allograft-Prosthetic Composite and Vascularised Grafts for Proximal Femur Reconstruction in Pediatric and Adolescent Sarcoma: A Systematic Review and Meta-Analysis
PP276	Nicolas Casales (Uruguay): Multifocal Giant Cell Tumor with Extensive Sacral Disease in a 13-year-old Patient: An Exceptionally Rare Presentation with Durable Control
PP277	Costantino Errani (Italy): Outcomes of In-House Designed 3-Dimensional-Printed Cutting Guides for Intercalary Resection and Massive Bone Allograft Reconstruction in Children with Malignant Bone Tumors
PP278	Keiko Hayakawa (Japan): Long-term Outcomes of Expandable Prostheses for Primary Malignant Tumors for Lower Limb in Children
PP279	Reynaldo Jesus-Garcia (Brazil): Double Vascularized Fibular Graft Achieves Universal Union in Femoral Reconstruction after Bone Tumor Resection
PP280	Tao Ji (China): Uncemented/3D Printed Stems for Revision of Endoprostheses - Preliminary Clinical Outcomes
PP281	Leonie Kutscha-Lissberg (Germany): Long-Term Spinal Deformities, Function And Quality Of Life After SurgicalTreatment Of Pediatric Spinal Sarcomas
PP282	Rodanthi Margariti (Greece): Metastatic Risk and Local Recurrence in Pediatric Soft Tissue Sarcomas: A Single-Center Experience
PP283	Ong Shir Lee (Malaysia): Infection masquerading Malignancy? BCOR-Altered Sarcoma masqueraded as Osteomyelitis over the Great Toe in paediatric age group
PP284	Pawan Kumar Suthar (India): Role of Growth Modulation in Knee Deformities Secondary to Benign Bone Tumors
PP285	Nobuhiko Yokoyama (Japan): Skeletal Muscle Mass Change During Treatment for Localized Bone and Soft Tissue Sarcomas in Adolescents and Young Adults
PP286	Elisa Pala (Italy): Chondroblastoma: A Single Center Experience and Review of the Literature
PP287	Juan Chaustre (Colombia): Reproducible Allograft–Prosthetic Composite Reconstruction of the Proximal Femur in Children at Extreme Pediatric Age Using a Proximal Humerus Allograft

Pelvic Reconstructions II

Chairs: **Steven Thorpe** (United States) - **Wan Ismail Wan Faisham Numan** (Malaysia)

PP288	Zeeshan Khan (Pakistan): Clinical and functional outcomes following P1 resection for pelvic tumors: A comparative analysis between resection alone and resection with reconstruction.
PP289	Chandhanarat Chandhanayingyong (Thailand): Eliminating Manufacturing Delay for Customized 3D-Printed Pelvic Prostheses Increases Operative Burden but Shortens Overall Hospitalization
PP290	Marian Kubiček (Czech Republic): Vascularized Lower-leg Fillet Flap for Defect Coverage after External Hemipelvectomy: A Two-Case Experience
PP291	Himanshu Rohela (India): Extracorporeal radiotherapy treated auto-graft prosthetic osteo-articular complex pevic reconstruction following periacetabular tumour resection- A favourable alternative
PP292	Santiago Lozano-Calderón (United States): Sustained Improvements in Ambulatory Function and Physician-Reported Outcomes Following Minimally Invasive Photodynamic Nail Stabilization of the Pelvis
PP293	Michiko Sakai (Japan): Salvage Reconstruction Using a Contralateral Vascularized Fibular Graft After Failed Pelvic Ring Reconstruction with a Non-vascularized Fibular Graft in Primary Iliac Ewing Sarcoma: A Case Report
PP294	Mandip Shah (India): Do We Really Need a Bony Reconstruction after Internal Hemipelvectomy? A Retrospective Analysis of 64 Patients Undergoing Femoro-pelvic Pseudoarthrosis
PP295	Jingnan Shen (China): Comparison of Clinical Outcomes between Preserved Femoral Head and Nonpreserved Femoral Head in Hemipelvic Reconstruction following Resection of Periacetabular Sarcomas
PP296	Tomas Tomas (Czech Republic): Two-stage Reconstruction Procedure after Pelvic Resections
PP297	Charles Abraham Villamin (Philippines): Repurposing Arthroplasty and Spine Implants as Frugal Innovation in the Reconstruction of Type 2 Pelvis Resection - A Report of 4 Cases
PP298	Haijie Liang (China): Long-term Outcomes of 3D-printed Hemipelvic Endoprostheses after Enneking Type II/II+III Periacetabular Tumor Resection: A Single-center Matched Cohort with Reduced Sacroiliac Diastasis and Improved Function
PP299	Evrin Sirin (Turkey): Oncological, Functional and Clinical Outcomes of Extra-articular Hip Resection for Primary Bone Sarcomas; A Single-center Experience
PP300	Alan Blank (United States): 3D Pelvic Reconstruction Following Hemipelvectomy: A Multi-Institutional Case Series

Robotics

Chairs: **Katsuhiko Hayashi** (Japan) - **Duncan Whitwell** (United Kingdom)

PP301	Vivek Ajit Singh (Malaysia): AI-Enhanced Chest Radiography as a Screening Tool for Lung Metastasis in Sarcoma
PP302	Jorge Cabrolíer (Chile): Misinformation in Sarcoma-Related Content Across Major Social Media Platforms: A Cross-Sectional Analysis
PP303	Jorge Cabrolíer (Chile): Agreement Between a Large Language Model and Multidisciplinary Tumor Board Decisions in 120 Consecutive Initial Sarcoma Cases
PP304	Tolgahan Cengiz (Turkey): Comparing Orthopedic Residents and Artificial Intelligence in Musculoskeletal Oncology Knowledge
PP305	Chaowei Ding (China): Clinical Study of navigation-assisted Osteoid Osteoma Resection
PP306	Anastasiya Drandarov (United States): Using machine learning to improve accuracy in predicting pathologic fracture risk in cancer patients with bone metastases
PP307	Suraj Hindiskere (India): Rapid Generation Of Virtual And 3D-Printed Anatomical Models For Bone Tumour Surgery: A Turnaround Time Analysis Of An In-house 3D Lab
PP308	Minna Laitinen (Finland): Can Artificial Intelligence (AI) with Deep Learning Models Reliably Differentiate Between Normal, Benign and Malignant Primary Bone Tumours on Plain X-ray?
PP309	Min Wook Joo (South Korea): Three-dimensional Deep Learning–based Prediction of Proximal Femoral Pathologic Fracture Leveraging Opportunistic Abdominopelvic CT in Patients with Advanced Cancer
PP310	Wei-Hsin Lin (Taiwan): Mixed Reality-aided Excision of Recurrent/Residual High-grade Soft Tissue Sarcomas with Challenging Margins after Initially Unplanned Surgery
PP311	Satoshi Okita (Japan): Safe tumor-wide resection for sternal chondrosarcoma using robot-assisted thoracoscopic surgery in collaboration with thoracic surgeons. A case report
PP312	Giuseppe Francesco Papalia (Italy): The role of intraoperative CT-guided navigation system in pelvic tumor resection surgery
PP313	Kenneth Rankin (United Kingdom): SarcoSIGHT - A Randomised Controlled Trial of Fluorescence Guided Sarcoma Surgery versus Standard of Care
PP314	Satoshi Takenaka (Japan): CT-based Validation of Mixed Reality–integrated 3D Preoperative Planning in Complex Bone Tumor Resection
PP315	Janista Wongratanacheewin (Thailand): Unmasking Challenges: Evaluating the Accuracy of AI Hip Fracture Detection in Pathological Fracture Cases and Its Clinical Implications
PP316	Arthur Woo (China): Understanding the Unseen - A Mixed Reality Platform for Immersive Orthopaedic Oncology Simulation Training
PP317	Xiaobo Yan (China): A Preliminary Exploration of the Role of Robot-Assisted Surgery in the Separation Surgery of Spinal Metastatic Tumors
PP318	Tomas Zamora (Chile): Comparison of Large Language Models and Human Specialists on a Clinical Knowledge Test in Musculoskeletal Oncology

Sarcoma Registries

Chairs: **Wakenda Tyler** (United States) - **Yao Weitao** (China)

PP319	Eduardo Sadao Yonamine (Brazil): Epidemiology and Histopathological Spectrum of Soft Tissue Tumors of the Hand: A 24-Year Retrospective Analysis
PP320	Nathan Donaldson (United States): Change in Opioid Prescribing Among Childhood Sarcoma Patients: A Tale of Two Eras
PP321	David Alejandro Herrera (Brazil): Ligament Stability and Functional Assessment in Patients with Wide Resection of the Proximal Fibula
PP322	Thomas Hilton (South Africa): Poor Prognostic Features Among Soft Tissue Sarcoma Patients: Analysis Based on the First Sarcoma Registry in South Africa
PP323	Adam Levin (United States): Do We All Call It The Same: An Inter-Rater Reliability Analysis of the Musculoskeletal Tumor Registry Data Elements
PP324	Rohith Mutt (India): Establishing a Regional Sarcoma Hub: A 3-Year Experience with 724 Patients in Northern India
PP325	Charukit Siritham (Thailand): Disseminated Cutaneous Metastases Including the Scalp in Primary Extrauterine Leiomyosarcoma: A Case Report of Rapid Fatal Progression
PP326	Marisa Ulrich (United States): Large Language Model Extraction of Structured Data in Unstructured Sarcoma Pathology Notes: A Pilot Study

Soft Tissue Sarcomas III

Chairs: **Hairong Xu** (China) –**Vinod Ravi** (United States)

PP327	Patricio Alfaro (Chile): Prognostic Factors in Soft Tissue Sarcoma: Multicenter Chilean Cohort
PP328	Tobias Becker-Tonnerer (Austria): Secondary lymphedema due to myxoinflammatory fibroblastic sarcoma: a case report
PP329	Valerae Lewis (United States): Risk factors for return to the operating room for seromas after wide resection of soft tissue sarcomas of the thigh
PP330	Muni Srikanth lytha (India): Limb Salvage for Monophasic Synovial Sarcoma of the Wrist with Radial Artery Proximity: A Case Report
PP331	Natalie Green (United Kingdom): Epithelioid Sarcoma: A Retrospective Review from a Single Centre Tertiary Orthopaedic Sarcoma Unit
PP332	Asle Hesla (Sweden): Effect of Surgical Margins on Local Recurrence Patterns of Myxofibrosarcomas: A Retrospective Cohort Study From the Stockholm Sarcoma Centre
PP333	Shoufeng Wang (China): Reconstruction of soft tissue defect after resection of soft tissue sarcoma in extremities with a free vascularized anterolateral thigh flap
PP334	Amar Kamat (India): Does Immediate Plastic Surgery Reconstruction in Soft Tissue Sarcoma of the Limb Reduce Post-operative Wound Complications in Patients Receiving Pre-operative Radiotherapy
PP335	Milad Makdis Mouso (The Netherlands): Clinical efficacy and safety of radiotherapy combined with hyperthermia for soft tissue sarcoma: A systematic review
PP336	Suphakorn Metavorranchai (Thailand): The impact of fungating morphology on local recurrence-free survival in high-grade soft tissue sarcoma: A retrospective cohort study
PP337	Chase Nowaczyk (United States): High Local Recurrence Rates in Patients Diagnosed with Myxofibrosarcoma
PP338	Anna Maria Rachbauer (Germany): Reconstruction Using Tumor Endoprostheses After Resection of Soft Tissue Sarcomas
PP339	Anna Maria Rachbauer (Germany): Outcome After Re-resection of Soft Tissue Sarcomas Following “Whoops”-Procedures
PP340	Bas Schuitema (The Netherlands): A Nationwide Study on Complications after Pediatric Extremity Soft Tissue Sarcoma Surgery
PP341	Guido Scoccianti (Italy): Long-term follow-up of localized distal extremity synovial sarcomas: confirmed high overall survival, but be aware of late local recurrences
PP342	Ying Jin Tan (Singapore): A Tale of Two Hips: Early Metastatic Progression in Pleomorphic Liposarcoma
PP343	Cihan Ünyilmaz (Turkey): When Can Biopsy Be Avoided in Lipomatous Soft Tissue Masses?A Clinical and MRI-Based Decision Study
PP344	Hazem Wafa (Belgium): Gait analysis after limb-salvage surgery in adults with deep soft tissue sarcomas of the thigh: a case-control study.
PP345	Guowen Wang (China): Postoperative High-Dose-Rate Interstitial Brachytherapy for Soft Tissue Sarcoma Adjacent to Major Neurovascular Structures: A Single-Center 10-Year Retrospective Study
PP346	Detnarong Wannapet (Thailand): Accuracy of molecular analysis by fine needle aspiration biopsy in distinguish low-grade lipomatoustumors
PP347-A	Bhim Shreemal (United Kingdom): Oncologic Outcomes And Prognostic Factors In Alveolar Soft Part Sarcoma: A 30-Year Retrospective Cohort Study From A Single Center
PP347-B	Pramod Shekarappa Chinder (India): Case nuggets highlighting precision oncology in sarcoma from a high volume Indian oncology centre - a four case series

Spine and Sarcal Tumours

Chairs: **Shalin S. Patel** (United States) - **Andrea Angelini** (Italy)

PP348	Shalin S. Patel (United States): The Use of a Custom 3D-printed Patient-specific Native PEEK Implant for Complex En Bloc Spinal Sarcoma Resection and Reconstruction
PP349	Berkay Gülbaz (Austria): Multidimensional Patient-reported Outcomes after Treatment of Metastatic Spinal Disease: Convergent Validity of Disease-Specific, Legacy and PROMIS Instruments in a Single-center Cohort
PP350	Mohammad Hardian Basuki (Indonesia): En Bloc Sacrectomy for Sacral Chordoma: A Single-center Experience with Functional and Oncologic Outcomes
PP351	Weidong Chen (China): Clinical Application of a Prospectively Designed Algorithm for the Vertebral Space-Occupying Lesions: A Single-Center Retrospective Cohort Study
PP352	Philipp Funovics (Austria): Risk-Adapted Use of Navigation Improves Pedicle Screw Accuracy in Oncologic Spine Surgery with High Anatomical Complexity
PP353	Mustafa Onur Karaca (Turkey): Comparison of Prognostic Models and Clinical Outcomes in Pathological Spinal Involvement
PP354	Chang-Bae Kong (South Korea): Feasibility and Oncologic Outcome of En Resection with Intentional Tumor Transgression in Primary Spinal Sarcoma: The Korean Society of Spinal Tumors Multicenter Study (KSST 2024-02)
PP355	Yoshihiro Matsumoto (Japan): Impact of Tumor Biology and the Feasibility of Gross Total Resection on Survival in Malignant Spinal Dumbbell Tumors
PP356	Pocholo Iñigo Morales (Philippines): Outcomes of the Use of the NextAR Intraoperative CT Navigation with Icotec Carbon-Fiber Pedicle Screws for Spinal Fusion in Orthopedic Tumor Surgery: A Case Series
PP357	Marcio Moura (Brazil): Assessment of Scoring Systems for Surgical Indication Inpatients with Vertebral Metastases
PP358	Robert Nakayama (Japan): Clinical Outcomes of Lumbosacral Tumor Resection with Sacroiliac Joint Reconstruction
PP359	Muhammad Nizar (Indonesia): A Case Report of Sacrococcygeal Chordoma with Intra-abdominal Adhesion: Diagnosis and Management
PP360	Ahmet Salduz (Turkey): Impact of Sacral Resection Level and Reconstructive Strategy on Postoperative Wound Complications in Sacral Tumor Surgery
PP361	Ahmet Salduz (Turkey): A Sacrum–L5 Anchored Custom 3D-Printed Implant for Reconstruction After Sacrum-Including Internal Hemipelvectomy: A Three-Case Design Concept
PP362	Eduardo Sadao Yonamine (Brazil): Primary Sacral Tumors: Evolution of a Combined Surgical Technique and Its Impact on Oncologic and Functional Outcomes

Upper Extremity

Chairs: **Nina Myline Engel** (Germany) – **Fabrice Fiorenza** (France)

PP363	Shea Byrne (United Kingdom): Endo-prosthetic Reconstruction versus Vascularized Free Fibula Flap after Proximal Humerus Malignant Bone Tumor Resection in Children (≤16 years): A Single Centre Experience
PP364	Chung Ming Chan (Singapore): Graft Scapho-Lunate Fusion for Stage 3 Giant Cell Tumor of the Distal Radius
PP365	Dawid Ciechanowicz (Poland): The One-Bone Forearm as a method of limb salvage in a complex case of paroosteal osteosarcoma
PP366	Bilgehan H. Cevik (Turkiye): A Step-wise Decision-making Approach to Manage a Large Segmental Humeral Defect Post-primary Bone Tumor Resection
PP367	Praveen Gupta (India): Internal Ray Excision: An Innovative Method for Tumors of Small Bones of Hands and Feet to Preserve the Functional and Cosmetic Outcomes
PP368	Tsung-Yu Ho (Taiwan): Surgical Management of Distal Radius Tumors: Institutional Experience with Adjuvants and Reconstruction Strategies
PP369	Zi Xiong Lei (China): Application of Customized 3D-Printed Prostheses in Reconstruction after En-Bloc Resection of Bone Tumors in the Upper Limb
PP370	Chiao Yee Lim (Malaysia): Reconstruction of Elbow Joint for BCOR Sarcoma in Pediatric Patient: Report of Biological Reconstruction with Free Vascularized Fibular Graft
PP371	Yu-min Lin (Taiwan): The Results of Hand Phalangeal Bone Tumors Treatment
PP372	Bryan S. Moon (United States): A Newly Reported KIFC1:PHF1 Fusion in High-Grade Small Cell Sarcoma of the Scapula Treated with a Custom Total Scapular Implant with Reverse Total Shoulder Arthroplasty
PP373	Twindy Rarasati (Indonesia): Experience about Giant Cell Tumor Around the Wrist in a Tertiary Referral Hospital in Surabaya, Indonesia
PP374	Venkatesan Sampath Kumar (India): Functional Outcomes of Prolene Mesh Suspension of the Humerus following Scapulectomy for Aggressive or Malignant Scapular Tumors
PP375	Hanako Tsuji (Japan): Oncologic and Functional Outcomes after Wide Excision for Malignant Bone and Soft Tissue Tumors Distal to the Elbow: A Long-term Retrospective Case Series
PP376	Megan Badejo (United States): A Multicenter Comparison of Reverse Total Shoulder Arthroplasty Versus Hemiarthroplasty for Endoprosthetic Reconstruction Following Oncologic Resection of the Proximal Humerus
PP377	Zeeshan Khan (Pakistan): Functional and Oncological Outcomes following Proximal Humerus Resection and Reconstruction in Bone Tumor Patients
PP378	Sotirios M. Sokorelos (Greece): Biphasic Synovial Sarcoma of the Elbow: Limb Salvage via Extra-Articular Resection and Megaprosthetic Reconstruction