

IS LS 2026

International Society Of Limb Salvage

23rd General Meeting of the International Society of Limb Salvage

23-26 September

Messe Wien Exhibition & Congress Center
Vienna – Austria

*Preliminary
Scientific Program*

(updated on April 23, 2026)



Wednesday, September 23th, 2026

ISOLS Young Surgeons: Chondrosarcoma Stolz 1		Musculoskeletal Tumour Surgery for Surgeons from Developing Countries Stolz 2													
08:00 - 08:15	Registration	08:00 - 08:15	Registration												
08:20 - 08:30	Welcome														
08:30 - 10:30	Session 0.1: Basics (Radiology, Pathology, Surgery) Chairs: Nina Myline Engel (Germany), Mariel Spense (Argentina)	08:15-08:30	Francisco Linares (Colombia): Welcome Chair 1st session												
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		08:45-09:00	Duncan Whitwell (United Kingdom): Basic Principles, clinical presentation												
		09:00-09:15	Ather Siddiqi (United Kingdom): Establishing an MDT: experiences from Pakistan												
		09:15-09:30	Reshwin Rajan (Fiji): Late presentations in a resource limited setting												
		09:30-09:50	Duncan Whitwell (United Kingdom): Staging of musculoskeletal tumours												
		09:50-10:10	Peter Steadman (Australia): Principles of biopsy												
		10:10-10:30	David Wood (Australia): Imaging of bone and soft tissue tumours												
10:30 - 11:00	Coffee break	10:30 - 11:00	Coffee break												
11:00 - 13:00	Session 0.2: Advanced Surgery Chairs: Rishi Agarwal (India), Haije Liang (China)	11:00-11:15	Valerae O. Lewis (United States): Chair 2nd session & Surgical margins												
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		11:35-11:55	Justin Bird (United States): Orthopaedic Oncology in a resource limited practice in Liberia												
		11:55-12:15	Zeeshan Khan (Pakistan): Infection in the differential diagnosis of sarcoma												
		12:15-12:30	Ather Siddiqi (United Kingdom): Skeletal metastases												
		12:45-13:00	Faculty Case discussions												
13:00 - 13:45	Lunch Break	13:00 - 13:45	Lunch Break												
13:45 - 15:45	Hands-On Workshop	13:45-14:00	Peter Steadman (Australia): Chair 3rd session & Soft tissue sarcomas												
15:45 - 17:00	Session 0.3: Difficult cases Chair: Maria Anna Smolle (Austria)	14:00-14:30	Lee Jeys (United Kingdom): Cartilage tumour conundrums												
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		14:45-15:15	David Wood (Australia): Case examples all faculty												
		15:15-15:45	Afternoon tea												
		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												
17:00	ISOLS Young Surgeons Networking Event														

	Lehar	Stolz 1	Stolz 2	Shubert
08:00 – 08:45	Session 1.1: Infections I	Meet the professor (cases) Speakers: Peter Steadman (Australia) Mark Scarborough (United States) Miklós Szendrői (Hungary)	Session 3.1: Ultra Long-Term Outcomes of Megaprotheses	Session 4.1: Benign Bone Cysts
08:45 – 09:00	Morning break			
09:00 – 10:30	Session 1.2: Megaprotheses: Bigger, better, stronger? Chairs: Panayiotis J. Papagelopoulos (Greece), Thomas Schubert (Belgium) 09:00 William Aston (United Kingdom): <i>Should HA collars be the standard in megaprosthesis replacement?</i> 09:10 Koichi Ogura (Japan): <i>Long-term complications and reoperations following distal femoral replacement</i> 09:20 Lizz van der Heijden (The Netherlands): <i>Paediatric patients: cemented vs. non-cemented megaprotheses?</i> 09:30 Michael Parry (United Kingdom): <i>Ultra long-term outcomes of patients with cemented megaprotheses</i> 09:40 Eric Staals (Italy): <i>Long term outcomes of patients with growing prostheses</i> 09:50 Franics John Hornicek (United States): <i>Which innovations do we need to lower the risk of mechanical failure?</i> DEBATE 1: Do we need a new ISOLS implant failure classification (Live Polling) 10:00 Emmy Nyqvist (Australia): <i>Great expectations, how can we know what the future will hold?</i> 10:07 Eric Henderson : <i>What's in a name? That which we call a failure...</i> 10:14 Discussion	Session 2.1: Imaging Techniques Chairs: Ilkyu Han (Rep. of Korea), Bernadette Liegl-Atzwanger (Austria) 09:00 G. Douglas Letson (United States): <i>Unmasking sarcomas. When do we biopsy?</i> 09:10 Iris Nöbauer (Austria): <i>Gold-standard in imaging of soft tissue tumours in adults</i> 09:20 Jasminka Igrec (Austria): <i>Role of perfusion-weighted MRI in assessment of treatment response</i> 09:30 Robert Phillips (New Zealand): <i>Combining histology and radiology in treatment planning of sarcoma – Worth the effort?</i> 09:40 Frank Traub (Germany): <i>Intraoperative fluorescence-guided surgery for treatment of sarcomas</i> 09:50 Oral Presentation 09:55 Oral Presentation 10:00 Oral Presentation 10:05 Oral Presentation 10:10 Oral Presentation 10:15 Oral Presentation 10:20 Discussion	Session 3.2: Soft Tissue Sarcomas I Chairs: Lester Chan (Singapore), Daniel A. Müller (Switzerland) 09:00 Introductory lecture Joanna Szkandera (Austria): <i>Systemic therapies for advanced soft tissue sarcomas – New drugs, new hope?</i> 09:10 Oral Presentation 09:13 Oral Presentation 09:16 Oral Presentation 09:19 Oral Presentation 09:22 Discussion 09:30 Oral Presentation 09:33 Oral Presentation 09:36 Oral Presentation 09:39 Oral Presentation 09:42 Discussion 09:50 Oral Presentation 09:53 Oral Presentation 09:56 Oral Presentation 09:59 Oral Presentation 10:02 Discussion 10:10 Oral Presentation 10:13 Oral Presentation 10:16 Oral Presentation 10:19 Oral Presentation 10:22 Discussion	Session 4.2: PROMS & Coping
10:30 – 11:00	Coffee Break			

	Lehar	Stolz 1	Stolz 2	Schubert
11:00 – 12:30	<p>Session 1.3: Infections II</p> <p>Chairs: Philipp Funovics (Austria), Minna Laitinen (Finland)</p> <p>11:00 Michelle Ghert (Canada): <i>Should PARITY change our practice?</i></p> <p>11:10 Andrea Sambri (Italy): <i>Role of two-stage revision for infected megaprotheses</i></p> <p>11:20 Guy Morris (United Kingdom): <i>The 10 most important BOOM findings on infections in oncology</i></p> <p>DEBATE 2: Do we dare to DAIR? (Live Polling)</p> <p>11:30 Santiago Lozano Calderon (United States): Do we dare to DAIR? – Yes!</p> <p>11:37 Jendrik Hardes (Germany): Do we dare to DAIR? – No!</p> <p>11:44 Discussion</p> <p>12:00 Oral Presentation</p> <p>12:05 Oral Presentation</p> <p>12:10 Oral Presentation</p> <p>12:15 Oral Presentation</p> <p>12:20 Discussion</p>	<p>Session 2.2: Robotics – AI – Virtual Surgery</p> <p>Chairs: Ather Siddiqi (United Kingdom), Francisco Linares (Colombia)</p> <p>Educational Committee</p> <p>11:00 Juan Pablo Zumárraga (Ecuador): <i>How Artificial Intelligence and Mixed Reality have changed my planning and patient Education</i></p> <p>11:15 Ather Siddiqi (United Kingdom): <i>MR an invaluable tool for surgical proctorship</i></p> <p>11:30 Kwok Chuen Wong (China): <i>Mixed Reality as spatial computing in orthopedic oncology (live demo)</i></p> <p>11:45 Manish Agarwal (India): <i>AI for segmentation and planning for 3D printed guides</i></p> <p>12:00 Didactic lectures and live demo</p>	<p>Session 3.3: From the Operating Theatre to Histopathology</p> <p>Chairs: Scott Sommerville (Australia), Raymond Yau (China)</p> <p>09:00 Introductory lecture Bernadette Liegl-Atzwanger (Austria): <i>The clinical implication of novel sarcoma variants</i></p> <p>11:10 Oral Presentation</p> <p>11:13 Oral Presentation</p> <p>11:16 Oral Presentation</p> <p>11:19 Oral Presentation</p> <p>11:22 Discussion</p> <p>11:30 Oral Presentation</p> <p>11:33 Oral Presentation</p> <p>11:36 Oral Presentation</p> <p>11:39 Oral Presentation</p> <p>11:42 Discussion</p> <p>11:50 Oral Presentation</p> <p>11:53 Oral Presentation</p> <p>11:56 Oral Presentation</p> <p>11:59 Oral Presentation</p> <p>12:02 Discussion</p> <p>12:10 Oral Presentation</p> <p>12:13 Oral Presentation</p> <p>12:16 Oral Presentation</p> <p>12:19 Oral Presentation</p> <p>12:22 Discussion</p>	<p>Session 4.3: Challenges in Sarcoma Management</p>
12:30 – 13:30	Industry Lunch Symposium 1			
13:30 – 14:30	<p>Opening Session</p> <p>Chairs: Pietro Ruggieri (Italy), Gerhard Hobusch (Austria)</p> <p>13:30 TBA</p> <p>13:55 Andreas Leithner, Philipp Funovics, Gerhard Hobusch, Maria Anna Smolle</p> <p>Welcome to Vienna</p> <p>14:00 Philipp Funovics (Austria): Introduction</p> <p>14:05 TBA</p>			

	Lehar	Stolz 1	Stolz 2	Schubert
14:30 – 15:30	<p>Session 1.4: Engineering</p> <p>Chairs: Peter Steadman (Australia), Paul Unwin (United Kingdom)</p> <p>Crossfire & Poll</p> <p>14:30 William Aston (United Kingdom): <i>Prosthesis Standards</i></p> <p>14:40 Kwok Chuen Wong (China): <i>Mixed Reality / White Paper</i></p> <p>14:50 Shintaro Iwata (Japan): <i>AI / Imaging</i></p> <p>15:00 Manish Agarwal (India): <i>Jigs and Navigation</i></p> <p>15:10 Oral Presentation best engineering abstract</p> <p>15:13 Oral Presentation best engineering abstract</p> <p>15:16 Oral Presentation best engineering abstract</p> <p>15:19 Oral Presentation best engineering abstract</p> <p>17:22 Discussion</p>	<p>Session 2.3: PROMS</p> <p>Chairs: Gerhard Hobusch (Austria), Shalin Patel (United States)</p> <p>Educational Committee</p> <p>14:30 Krista Goulding (United States): <i>PROM™S: Where Are We Now</i></p> <p>14:40 TBA: <i>How PROM's Facilitate Measurement Of Post-Operative Recovery</i></p> <p>14:50 Sherron Furtado (United Kingdom): <i>Feasibility of Markerless Motion Capture for Functional Assessment</i></p> <p>15:00 TBA: <i>"Obtaining the data": How objective functional outcomes can improve our understanding and use of PROMs</i></p> <p>15:10 Shalin Patel (United States): <i>Translating and applying the data: How AI and Predictive Modeling can facilitate the real-time clinical application of PROMs</i></p> <p>15:20 Didactic lectures</p>	<p>Session 3.4: Osteosarcoma</p>	<p>Session 4.4: Artificial Intelligence and Robotics</p>
15:30 – 16:00	Coffee Break			
16:00 – 17:30	<p>Session 1.5: Protons, Ions, Carbons</p> <p>Chairs: Xiaohui Niu (China), Susanne Scheipl (Austria)</p> <p>16:00 Reiko Imai (Japan): <i>The Role of Carbon Ion Radiotherapy in the Management of Bone and Soft Tissue Sarcomas</i></p> <p>16:10 TBA: <i>Updates from the SACRO study</i></p> <p>16:20 Burkhard Lehner (Germany): <i>Intraoperative radiotherapy for STS – Indications and limitations</i></p> <p>DEBATE 3: The chemo wars in STS: Friend, foe or futile? (Live Polling)</p> <p>16:30 Jay Wunder (Canada): <i>The chemo wars in STS: Friend, foe or futile? – Futile!</i></p> <p>16:37 Dimosthenis Andreou (Austria): <i>The chemo wars in STS: Friend, foe or futile? – Friend!</i></p> <p>16:44 Discussion</p> <p>17:00 Oral Presentation 11</p> <p>17:05 Oral Presentation 12</p> <p>17:10 Oral Presentation 13</p> <p>17:15 Oral Presentation 14</p> <p>17:20 Discussion</p>	<p>Session 2.4: Worst case ever – How we escaped (or not)</p> <p>Chairs: Juan Pablo Zumárraga (Ecuador), Valerae O. Lewis (United States)</p> <p>Educational Committee</p> <p>Faculty:</p> <p>Manish Agarwal (India)</p> <p>Reynaldo Jesus-Garcia (Brazil)</p> <p>Valerae O. Lewis (United States)</p> <p>Case based presentation and discussion of complicated cases/complications</p>	<p>Session 3.5: Novel Therapeutics</p> <p>Chair: Cătălin Cîrstoiu (Romania)</p> <p>16:00 Introductory lecture Saminathan Suresh Nathan (Singapore): <i>Emerging systemic therapies for bone and soft tissue sarcomas</i></p> <p>16:10 Oral Presentation</p> <p>16:13 Oral Presentation</p> <p>16:16 Oral Presentation</p> <p>16:19 Oral Presentation</p> <p>16:22 Discussion</p> <p>16:30 Oral Presentation</p> <p>16:33 Oral Presentation</p> <p>16:36 Oral Presentation</p> <p>16:39 Oral Presentation</p> <p>16:42 Discussion</p> <p>16:50 Oral Presentation</p> <p>16:53 Oral Presentation</p> <p>16:56 Oral Presentation</p> <p>16:59 Oral Presentation</p> <p>17:02 Discussion</p> <p>17:10 Oral Presentation</p> <p>17:13 Oral Presentation</p> <p>17:16 Oral Presentation</p> <p>17:19 Oral Presentation</p> <p>17:22 Discussion</p>	<p>Session 4.5: Paediatric Patients</p>

	Lehar	Stolz 1	Stolz 2
17:30 – 18:00	<p>Presidential Lecture</p> <p>Chairs: Andreas Leithner (Austria), Maria Anna Smolle (Austria)</p> <p>17:30 Claudia di Bella (Australia): <i>Introduction</i></p> <p>17:35 Peter Steadman (Australia): <i>The Future of Orthopaedic Oncology: From Margins to Meaning: A vision for the next decade of collaboration and care</i></p>		
18:00 – 19:30	Welcome Reception		

	Lehar	Stolz 1	Stolz 2	Schubert
08:00 – 08:45	ISOLS General Assembly			
08:45 – 09:00	Morning Break			
09:00 – 10:30	<p>Session 1.6: Innovations in Paediatric Sarcoma Treatment</p> <p>Chairs: Eduardo J. Ortiz-Cruz (Spain), Andreas Krieg (Switzerland)</p> <p>09:00 Rob Pollock (United Kingdom): <i>Megaprotheses in paediatric patients – Indications and limits</i></p> <p>09:10 Eric Mascard (France): <i>Vascularised vs. non-vascularised fibula in the paediatric patient</i></p> <p>09:20 Joseph Benevenia (United States): <i>Indications and outcomes of allograft reconstructions in the paediatric patient</i></p> <p>09:30 Laura Campanacci (Italy): <i>Hemiarthroplasty in very young children</i></p> <p>09:40 Odion Binitie (United States): <i>Results and complications of growing prostheses in paediatric patients</i></p> <p>09:50 Michiel van de Sande (The Netherlands): <i>The paediatric sarcoma patient – Just a tiny adult?</i></p> <p>10:00 Nadine Williams (United States): <i>Management of paediatric patients beyond surgery</i></p> <p>Difficult Cases & Poll</p> <p>10:10 Christoph Hofer (Austria) & Anna Hohensteiner (Austria): 2 cases</p>	<p>Session 2.5: Sarcoma Registry</p> <p>Chairs: Joanna Szkandera (Austria), Masood Umer (Pakistan)</p> <p>09:00 Benjamin Miller (United States): <i>Introduction</i></p> <p>09:05 Adam Levin (United States): <i>What have we learned from sarcoma registries?</i></p> <p>Best registry-focused abstracts from ISOLS abstract submission</p> <p>09:15 Oral Presentation</p> <p>09:20 Oral Presentation</p> <p>09:25 Oral Presentation</p> <p>09:30 Oral Presentation</p> <p>09:35 Discussion</p> <p>09:45 Update on International Sarcoma Registry Work Group</p> <p>Benjamin Miller (United States): <i>Survey results</i></p> <p>Ashish Gulia (India): <i>Future modules</i></p> <p>Marcos Galli (Argentina): <i>Authorship and participation</i></p> <p>Benjamin Miller (United States), Joanna Szkandera (Austria): <i>Interim project updates</i></p> <p>10:15 Session with audience engagement</p> <p>Luke Johnson (Australia), Eric Staals (Italy)</p>	<p>Session 3.6: Soft Tissue Sarcoma II</p> <p>Chairs: Shintaro Iwata (Japan), Maya Niethard (Germany)</p> <p>09:00 Introductory lecture Steven Thorpe (United States): <i>The value of intraoperative margin sampling in soft tissue sarcoma</i></p> <p>09:10 Oral Presentation</p> <p>09:13 Oral Presentation</p> <p>09:16 Oral Presentation</p> <p>09:19 Oral Presentation</p> <p>09:22 Discussion</p> <p>09:30 Oral Presentation</p> <p>09:33 Oral Presentation</p> <p>09:36 Oral Presentation</p> <p>09:39 Oral Presentation</p> <p>09:42 Discussion</p> <p>09:50 Oral Presentation</p> <p>09:53 Oral Presentation</p> <p>09:56 Oral Presentation</p> <p>09:59 Oral Presentation</p> <p>10:02 Discussion</p> <p>10:10 Oral Presentation</p> <p>10:13 Oral Presentation</p> <p>10:16 Oral Presentation</p> <p>10:19 Oral Presentation</p> <p>10:22 Discussion</p>	<p>Session 4.6: Biological Reconstructions I</p>
10:30 – 11:00	Coffee Break			

	Lehar	Stolz 1	Stolz 2	Schubert
11:00 – 12:30	<p>Session 1.7: Biological reconstruction – Growing back strong</p> <p>Chairs: Eduardo Botello (Chile), Domenico A. Campanacci (Italy)</p> <p>11:00 Ayman el Masry (Egypt): <i>Single site osteotomy and frozen autograft for skeletal reconstruction in bone sarcoma management</i></p> <p>11:10 Han-Soo Kim (Rep. of Korea): <i>Sparing the tibial physis: Distal femur hemiarthroplasty and bone lengthening in children</i></p> <p>11:20 Harzem Özger (Turkey): <i>From Lexer and Juvara to Frozen Hotdog: the Istanbul Experience in Biological Reconstruction</i></p> <p>11:30 Andreas Krieg (Switzerland): <i>The Capanna technique in paediatric patients</i></p> <p>11:40 Mikel San-Julián (Spain): <i>Outcomes following reconstruction with the Canadell technique</i></p> <p>11:50 Luis Alberto Aponte Tinao (Argentina): <i>Long-term results of allograft reconstructions</i></p> <p>12:00 Hindiskere Suraj (India): <i>Surgical and oncological results of the telescope allograft technique in endoprosthetic reconstruction of the distal femur in children with a short proximal femur segment</i></p> <p>Difficult Cases & Poll</p> <p>12:10 Marisa Valentini (Austria) & TBA: 2 cases</p>	<p>Session 2.6: Metal Ion Release in Tumour Endoprostheses – Clinical Relevance, Mechanisms, and Management</p> <p>Chairs: John Healey (United States), Thomas Baad-Hansen (Denmark)</p> <p>11:00 Keynote lecture Minna Laitinen (Finland): <i>Metal Ion Release in Orthopaedic Oncology: What Do We Know, and What Remains Unknown?</i></p> <p>11:10 Sarah Freund (Denmark): <i>Monitoring practices – How Do We Monitor Metal Ion Levels? Insights from the GAIIMES Survey</i></p> <p>11:17 Matthew Houdek (United States): <i>Mechanisms of metal ion release – Where Do the Ions Come From? Mechanical and Material Sources of Release</i></p> <p>11:24 Hans Roland Dürr (Germany): <i>Clinical impact of metal ions – From Ions to Illness: Adverse Events Linked to Metal Ion Release</i></p> <p>11:31 Stefan Rakete (Germany): <i>Toxicological Perspectives – Systemic Metal Ion Exposure: Lessons from Toxicology and Occupational Medicine</i></p> <p>11:38 Thomas Baad-Hansen (Denmark): <i>Case-based clinical decision making – Managing Elevated Cobalt: What Would You Do?</i></p> <p>11:45 Magdalena Maria Gilg (Austria): <i>Future Monitoring, Consensus, and Research Priorities – Towards 2030: Standardizing Metal Ion Monitoring and Building Consensus</i></p> <p>11:52 Panel discussion and audience Q&A</p>	<p>Session 3.7: Bone Sarcoma</p> <p>Chairs: Davide Donati (Italy), Isidre Angel Gràcia Alegria (Spain)</p> <p>11:00 Introductory lecture Alexander Lazarides (United States): <i>Readmission rates in sarcoma patients</i></p> <p>11:10 Oral Presentation</p> <p>11:13 Oral Presentation</p> <p>11:16 Oral Presentation</p> <p>11:19 Oral Presentation</p> <p>11:22 Discussion</p> <p>11:30 Oral Presentation</p> <p>11:33 Oral Presentation</p> <p>11:36 Oral Presentation</p> <p>11:39 Oral Presentation</p> <p>11:42 Discussion</p> <p>11:50 Oral Presentation</p> <p>11:53 Oral Presentation</p> <p>11:56 Oral Presentation</p> <p>11:59 Oral Presentation</p> <p>12:02 Discussion</p> <p>12:10 Oral Presentation</p> <p>12:13 Oral Presentation</p> <p>12:16 Oral Presentation</p> <p>12:19 Oral Presentation</p> <p>12:22 Discussion</p>	<p>Session 4.7: Spinal and Sacral Tumours</p>
12:30 – 13:30	Industry Lunch Symposium 2			
13:30 – 14:00	<p>ISOLS Lecture</p> <p>Chair: Andreas Leithner (Austria), Andrea Angelini (Italy)</p> <p>13:30 Andreas Leithner (Austria): <i>Introduction</i></p> <p>13:35 Ajay Puri (India): <i>Reimplanting sterilised tumor bone: Irradiation or Cryotherapy – What works best?</i></p>			

	Lehar	Stolz 1	Stolz 2	Schubert
14:00 – 15:30	<p>Session 1.8: Pelvic reconstruction: The Ring of Fire</p> <p>Chairs: Francis John Hornicek (United States), Per-Ulf Tunn (Germany)</p> <p>14:00 Pietro Ruggieri (Italy): <i>Pelvic sarcomas – The Padova experience</i></p> <p>14:10 Vivek Ajit Singh (Malaysia): <i>Reconstruction techniques following PII pelvic resections</i></p> <p>14:20 Ashish Gulia (India): <i>Biological reconstructions following internal hemipelvectomy</i></p> <p>14:30 Vineet Kurisunkal (United Kingdom): <i>The 10 most important BOOM findings</i></p> <p>14:40 Wei Guo (China): <i>Outcomes with custom-made 3D printed hemipelvic reconstructions</i></p> <p>14:50 Arne Streitbürger (Germany): <i>Why we avoid megaprosthetic reconstruction following pelvic resection</i></p> <p>DEBATE 4: To close or not to close the ring? (Live Polling)</p> <p>15:00 Lee Jeys (United Kingdom): To close or not to close the ring? – Yes!</p> <p>15:07 TBA: To close or not to close the ring? – No!</p> <p>15:14 Discussion</p>	<p>Session 2.7: Amputation vs. Osseointegration vs. Rotationplasty</p> <p>Chairs: Gerhard Hobusch (Austria), Valerae O. Lewis (United States)</p> <p>Educational Committee</p> <p>14:00 TBA: <i>Novel techniques in amputation</i></p> <p>14:12 James Flint (United States): <i>Osseointegration: The other Limb Salvage</i></p> <p>14:24 Rickard Brånemark (United States): <i>OI – The vision and future aspects</i></p> <p>14:36 Ajay Puri (India): <i>Rotationplasty – When is it indicated?</i></p> <p>14:48 Peter Bekkering (The Netherlands): <i>The degree of physical activity and participation in sport after amputation and rotationplasty as a result of a malignant bone tumour in childhood</i></p> <p>15:00 Discussion</p>	<p>Session 3.8: Socio-Economic Disparities in Sarcoma Care</p> <p>Chairs: Thomas Hilton (South Africa), Oleg Vyrva (Ukraine)</p> <p>14:00 Introductory lecture Claudia Di Bella (Australia): <i>Women in surgery</i></p> <p>14:10 Oral Presentation</p> <p>14:13 Oral Presentation</p> <p>14:16 Oral Presentation</p> <p>14:19 Oral Presentation</p> <p>14:22 Discussion</p> <p>14:30 Oral Presentation</p> <p>14:33 Oral Presentation</p> <p>14:36 Oral Presentation</p> <p>14:39 Oral Presentation</p> <p>14:42 Discussion</p> <p>14:50 Oral Presentation</p> <p>14:53 Oral Presentation</p> <p>14:56 Oral Presentation</p> <p>14:59 Oral Presentation</p> <p>15:02 Discussion</p> <p>15:10 Oral Presentation</p> <p>15:13 Oral Presentation</p> <p>15:16 Oral Presentation</p> <p>15:19 Oral Presentation</p> <p>15:22 Discussion</p>	<p>Session 4.8: Biological Reconstructions II</p>
15:30 – 16:00	Coffee Break			
16:00 – 17:00	<p>Session 1.9: Margins – A marginal difference may be vital</p> <p>Chairs: Peter Rose (United States), Han-Soo Kim (Rep. of Korea)</p> <p>16:00 Paul Jutte (The Netherlands): <i>Which margin is considered “wide” for bone sarcomas?</i></p> <p>16:10 Tomohiro Fujiwara (Japan): <i>Which margin is considered “wide” for soft-tissue sarcomas? – Practical integration of margin quantity and quality</i></p> <p>16:20 Walid Ebeid (Egypt): <i>Challenges to achieve “wide” margins in periarticular bone tumours of the knee</i></p> <p>Difficult Cases & Poll</p> <p>16:30 Magdalena Maria Gilg (Austria) & Julia von der Linden (Austria): 2 cases</p>	<p>Session 2.8: Challenges, limitations and potential solutions for Sarcoma Care in Developing Countries</p> <p>Chairs: Francisco Linares (Colombia), Santiago Lozano Calderon (United States)</p> <p>16:00 TBA: <i>Challenges and Limitations in Sarcoma Care in Developing Countries</i></p> <p>16:12 David Wood (Australia): <i>Resource Stratified Guideline for Optimization of Sarcoma Care in Developing Countries: The Experience in the Asia-Pacific Region</i></p> <p>16:24 Case Experiences: Introductions with Juan Pablo Zumárraga (Ecuador)</p> <p>16:27 TBA: <i>South America</i></p> <p>16:32 Ermias Gizaw Hailemeskel (Ethiopia): <i>Africa</i></p> <p>16:37 TBA: <i>Asia</i></p> <p>16:42 Ather Siddiqi (Pakistan): <i>Middle East</i></p> <p>16:47 Discussion and questions</p>	<p>Session 3.9: GCT</p>	<p>Session 4.9: Rotationplasty</p>

	Lehar	Stolz 1	Stolz 2	Schubert
17:00 – 18:00	<p>Pioneers of ISOLS (Round Table Discussion) Chair: Philipp Funovics (Austria)</p> <p><u>Speakers:</u> Rainer Kotz (Austria) Winfried Winkelmann (Germany) Franklin Sim (United States) Hiroyuki Tsuchiya (Japan)</p>	<p>Session 2.9: Minimally Invasive Techniques for Metastatic Disease Chairs: Kista Goulding (United States), Karim Masrouha (United States)</p> <p>Educational Committee</p> <p>17:00 Francis Y. Lee (United States): <i>Biomechanical, Onco-Biology, and Clinical Outcomes of Minimally Invasive Management of Skeletal Metastases</i></p> <p>17:10 Santiago Lozano Calderon (United States): <i>Photodynamic nails in the management of metastatic bone disease: Minimally invasive techniques</i></p> <p>17:20 Tomas Zamora (Chile)</p> <p>17:30 Brooke M. Crawford (United States): <i>Difficulties and considerations when performing percutaneous procedures for skeletal metastatic disease</i></p> <p>17:40 Case based discussion/lecture and Informational lectures</p>	<p>Session 3.10: Basic Science I Chairs: Claudia Di Bella (Australia), Frank Traub (Germany)</p> <p>17:00 Introductory lecture Peter Rose (United States): <i>From bench to bedside</i></p> <p>17:10 Oral Presentation</p> <p>17:13 Oral Presentation</p> <p>17:16 Oral Presentation</p> <p>17:19 Oral Presentation</p> <p>17:22 Oral Presentation</p> <p>17:25 Discussion</p> <p>17:35 Oral Presentation</p> <p>17:38 Oral Presentation</p> <p>17:41 Oral Presentation</p> <p>17:44 Oral Presentation</p> <p>17:47 Oral Presentation</p> <p>17:50 Discussion</p>	<p>Session 4.10: Biological Reconstructions III</p>
18:30 – 19:00	Women of ISOLS Networking event			
19:30	ISOLS Dinner			

	Lehar	Stolz 1	Stolz 2	Schubert
08:00 – 08:45	Session 1.10: Upper Extremity I	Meet the Professor (cases) Speakers: Robert Lawrence Randall (United States) Michelle Ghert (Canada) Marco Manfrini (Italy)	Session 3.11: Advanced Metastatic Setting I	Session 4.11: Of Bone and Bold Ideas
08:45 – 09:00	Morning break			
09:00 – 10:00	Session 1.11: The Famous ISOLS Quiz Chairs: Philipp Funovics (Austria) – Lee Jeys (United Kingdom)	Session 2.10: Upper Extremity II Chairs: Ana Cecilia Belzarena (United States), Elisa Pala (Italy) 09:00 Introductory lecture Panayiotis J. Papagelopoulos (Greece): <i>Custom-made implants for periscapular sarcomas</i> 09:10 Oral Presentation 09:13 Oral Presentation 09:16 Oral Presentation 09:19 Oral Presentation 09:22 Oral Presentation 09:25 Discussion 09:35 Oral Presentation 09:38 Oral Presentation 09:41 Oral Presentation 09:44 Oral Presentation 09:47 Oral Presentation 09:50 Discussion	Session 3.12: Advanced Metastatic Setting II Chair: Justin E. Bird (United States), Fabrice Fiorenza (France) 09:00 Introductory lecture Andrea Angelini (Italy): <i>Therapeutic approaches in patients with spine metastases</i> 09:10 Oral Presentation 09:13 Oral Presentation 09:16 Oral Presentation 09:19 Oral Presentation 09:22 Oral Presentation 09:25 Discussion 09:35 Oral Presentation 09:38 Oral Presentation 09:41 Oral Presentation 09:44 Oral Presentation 09:47 Oral Presentation 09:50 Discussion	Session 4.12: Osseointegration and Rotationplasty
10:00 – 11:00	Session 1.12: Soft Tissue Sarcomas Chairs: Joanna Szkandera (Austria), Xiadong Tang (China) Cases – Poll 10:00 Jean Philippe Dulude (Australia): <i>Intraoperative use of high-speed Raman spectroscopy during soft tissue sarcoma resection</i> 10:10 Kenneth Rankin (United Kingdom): <i>Indeterminate pulmonary nodules upon diagnosis of soft tissue sarcoma - Impact on treatment decision and prognosis</i> 10:20 Maria Anna Smolle (Austria): <i>Frequency of venous thromboembolisms in patients undergoing surgery for STS</i> 10:30 TBA : <i>Antiangiogenic agents and PD-1 inhibitors for advanced soft tissue sarcoma</i> Difficult Cases & Poll 10:40 Sophie Joch (Austria) & Cristian Pauritsch (Austria): 2 cases	Session 2.11: Liquid Biopsy – Tumour Biology Chairs: George Loria (Georgia), Nikolaos Stavropoulos (Greece) 10:00 Introductory lecture Toshifumi Ozaki (Japan): <i>Advancing Sarcoma Care: Integrating Liquid Biopsy and Genomic Profiling for Precision Medicine</i> 10:10 Oral Presentation 10:13 Oral Presentation 10:16 Oral Presentation 10:19 Oral Presentation 10:22 Oral Presentation 10:25 Discussion 10:35 Oral Presentation 10:38 Oral Presentation 10:41 Oral Presentation 10:44 Oral Presentation 10:47 Oral Presentation 10:50 Discussion	Session 3.13: TGCTs Chairs: Michele Boffano (Italy), Mehmet Ali Deveci (Turkey) 10:00 Introductory lecture Nicholas Bernthal (United States): <i>Targeted therapy for tenosynovial giant cell tumour – Worth the costs?</i> 10:10 Oral Presentation 10:13 Oral Presentation 10:16 Oral Presentation 10:19 Oral Presentation 10:22 Oral Presentation 10:25 Discussion 10:35 Oral Presentation 10:38 Oral Presentation 10:41 Oral Presentation 10:44 Oral Presentation 10:47 Oral Presentation 10:50 Oral Presentation	Session 4.13: Pelvic Resections and Reconstructions

	Lehar	Stolz 1	Stolz 2	Schubert
11:00 – 12:00	Coffee break & Poster Walk			
12:00 – 13:30	<p>Session 1.13: Benign Aggressive Tumours</p> <p>Chairs: Francisco Linares (Colombia), Nicole Montgomery (United States)</p> <p>Educational Committee</p> <p>12:00 Ashish Gulia (India): Minimally invasive manage of benign bone tumors</p> <p>12:15 TBA: History of GCT</p> <p>12:30 Hairong Xu (China): Evolving concepts in the treatment of Aneurysmal Bone Cyst</p> <p>12:45 TBA: Medical Advances in Bening Bone Disease</p> <p>13:00 Didactic lectures</p>	<p>Session 2.12: The very young and the very old</p> <p>Chairs: Valerae O. Lewis (United States), Juan Pablo Zumárraga (Ecuador)</p> <p>Educational Committee</p> <p>Walid Ebeid (Egypt)</p> <p>Wakenda Tyler (United States)</p> <p>Wan Faisham Nu'man Wan Ismail (Malaysia)</p> <p>Case-based discussion</p>	<p>Session 3.14: Megaprotheses & Metal Ions</p> <p>Chairs: Min Wook Joo (Rep. of Korea), Hazem Wafa (Belgium)</p> <p>12:00 Introductory lecture Fabrice Fiorenza (France): <i>Custom-made solutions – Are they worth the cost?</i></p> <p>12:10 Oral Presentation</p> <p>12:13 Oral Presentation</p> <p>12:16 Oral Presentation</p> <p>12:19 Oral Presentation</p> <p>12:22 Discussion</p> <p>12:30 Oral Presentation</p> <p>12:33 Oral Presentation</p> <p>12:36 Oral Presentation</p> <p>12:39 Oral Presentation</p> <p>12:42 Discussion</p> <p>12:50 Oral Presentation</p> <p>12:53 Oral Presentation</p> <p>12:56 Oral Presentation</p> <p>12:59 Oral Presentation</p> <p>13:02 Discussion</p> <p>13:10 Oral Presentation</p> <p>13:13 Oral Presentation</p> <p>13:16 Oral Presentation</p> <p>13:19 Oral Presentation</p> <p>13:22 Discussion</p>	<p>Session 4.14: Basic Sciences II</p>
13:30 – 14:00	Closing Session			
15:00– 18:00	Medical History of Vienna			
19:30	Networking Event			