



International Society  
Of Limb Salvage



# Scientific Program

Affiliated with

8-11 October 2024



Brisbane Convention & Exhibition Centre

Brisbane | Queensland | Australia



## Francis J. Hornicek

### President

Dear esteemed colleagues, distinguished guests, and friends of ISOLS,

The International Society of Limb Salvage (ISOLS) was established in Rochester, MN, USA, in 1981. This organisation is comprised of scientists and clinicians from around the world. It is truly multi-disciplinary and diverse in its representation and efforts. These include research, education, and the critical evaluation of our patient outcomes. I am proud to serve as President and even prouder to work with such an outstanding ISOLS Board and represent this wonderful organisation.

We hope that this message finds you, your family, and your loved ones safe and well. We are looking forward to seeing you at the General Meeting of ISOLS in Brisbane, Australia, where Professor Peter Steadman has arranged an exciting meeting. This gathering marks a significant moment in the field of limb salvage, where experts and innovators from across the globe come together to exchange knowledge, share experiences, and advance our collective mission of enhancing the quality of life for patients facing limb-threatening conditions.

I would like to extend my heartfelt appreciation to the ISOLS Board, organising committee, sponsors, and volunteers who have dedicated countless hours to make this event possible. Your efforts will ensure that this conference is a platform for excellence and a catalyst for progress.

In closing, I invite you to embrace this opportunity to expand your horizons, network with like-minded professionals, and contribute to the global mission of ISOLS. Together, we will make a difference in the lives of those who rely on our expertise.

Thank you for being a part of this remarkable gathering, and I wish you all a productive, enriching, and memorable Australia-Brisbane ISOLS Meeting in 2024.



## Peter Steadman

### Conference President

As Brisbane prepares for the 2032 Olympics, it is a great opportunity to visit Australia and Brisbane as this city is undergoing vibrant development in readiness. Just as the Olympics is the world's premier sporting event, we aim to make the ISOLS 2024 meeting the premier event in the calendar for sarcoma and musculoskeletal tumour practitioners.

In line with the Society's purpose to promote research, education, and improvements in clinical practice and care of patients with musculoskeletal tumours or undergoing limb salvage interventions, we have planned for an intellectually exciting academic and problem-focused meeting - engaging our different members from clinical, research and engineering backgrounds, whilst also embracing our international membership and diversity.

Our academic program has been formulated to bring a dynamic discussion platform to address the most modern contemporary unresolved and topical issues facing us in a rapidly changing world to help develop global consensus positions. The meeting, as always, provides an ideal opportunity for important intellectual discussion and knowledge exchange between physicians, engineers, researchers, sarcoma scientists as well as allied health and nursing faculties and also for sarcoma caregivers of all ages from all corners of the globe.

We will continue to grow the Younger Surgeon's Forum and expand the meeting to include more diversity. We will offer an orthopaedic oncology instructional course lecture program where one can hear from some of the world's most experienced surgeons, who will provide gems of practical experience in how to plan and perform difficult and challenging surgeries. Prior to start of the meeting, there will be a program for practitioners from developing countries and an opportunity to enroll separately in a world-renowned MusculoSkeletal Pathology course.

We are very excited to introduce a new paradigm for experiencing the Free Papers submitted by members. In addition to being able to attend at presentations, all free papers will be available for registrants to experience on-line at a timing of their choosing - eliminating the need to choose between one session or another. Every talk will be able to be attended in live or virtual format. We will host on-line discussion forums for papers and an opportunity for critique and interaction with a panel of distinguished professors from around the world at a breakfast meet at the start of each day.

# Scientific Program

On behalf of the Australasian Scientific Committee, I would like to extend a warm welcome to all delegates for ISOLS 2024. In constructing the scientific program we have deliberately endeavoured to engineer a program that will maximise learning opportunity and still provide for social interaction, which is the lifeblood of international collaboration and cooperation within our tightknit community. The program is designed to provide an intense series of sessions early in the day before mental fatigue sets in with earlier finishes than previous meetings to allow for social interaction. We hope that you will have ample opportunity to sample all that Brisbane has to offer during your stay. The program has been designed as a series of mini-symposia focusing on issues that we face in day-to-day tumor practice. Many have been selected as areas of ongoing controversy where we seek to help drive consensus on best practice and help to define how we communicate with each other in terms of clinical outcomes. Each mini-symposium will deliver concise insights from a diverse panel of experts selected from around the globe. We aim to make the sessions interactive and by the meeting's end we hope that we can use the ISOLS 2024 meeting as a launching platform for areas of international discussion and collaboration to advance our discipline.

Running alongside the mini-symposia there will also be free scientific papers from our membership around the world. These will be held both in a live and virtual format as outlined in the section below.

The ISOLS 2024 coincides with the annual scientific meeting of the Australia & New Zealand Sarcoma Association (ANZSA) which will be running concurrently on the final 2 days of the program. We will also be hosting a concurrent session for Nursing & Allied Health practitioners, with an opportunity for registrants to complete an accredited psychological counselling course, targeted for those working with cancer patients and their families. Another concurrent session provides a forum for our other valued community stakeholders including patients and volunteers

**Gerard Powell - ANZ Program Director**

**Val Lewis, Peter Rose, Peter Steadman - Abstract Management Committee**

## Free Scientific Papers

For the 2024 ISOLS Meeting the Scientific Secretariat has instituted a new format, designed to allow all delegates to attend all of the accepted free papers without having to move from room to room. All presenters will pre-record their talks which will be uploaded to a portal accessible to all registrants of the ISOLS 2024 meeting in advance of the commencement of the meeting.

During the course of the meeting there will be chat rooms to allow registrants to ask questions of the authors and to promote discussion. The intention is to make every free paper accessible to each registrant and to allow sufficient time for discussion of papers without constraint. The scientific secretariat will be monitoring the "chat" and selecting the papers which are generating the most interest and discussion for more in-depth review at daily "Meet the Professors" breakfast sessions which will be provided with breakfast before the start of each day's symposia on the Unsolved Questions in Sarcoma. We will have a panel of distinguished professors from around the world to give comment and drive discussion and debate at these sessions.

In addition, presenters who would also like to deliver their paper on a podium will have the opportunity to do so in the M1 lecture theatre. These sessions will run concurrently with the main auditorium symposia for those who would like to deliver / attend the free papers in this fashion

On the final day of the meeting there will be an opportunity for speakers selected by the Scientific Secretariat as the most outstanding papers to present in front of the whole meeting in the main auditorium with questions and answer opportunities before awarding prizes for the best papers

We are excited to trial this new format to allow unfettered access for delegates to all parts of the scientific program and eliminate the need to be scurrying from lecture theatre to lecture theatre to be able to attend those aspects of the program which are of most interest to delegates.

We invite you to sample some Aussie and Kiwi hospitality in Brisbane. We know that for many it is a long way to come but it will be a great opportunity to explore "Down Under" and we look forward to ensuring you have a memorable meeting and a wonderful stay.

## ANZ Faculty & ISOLS educational committee



### AUSTRALIA

Claudia Di Bella  
Dan Franks  
David Wood  
Gerard Powell  
Grant Pang  
Ian Dickinson  
Jacob Jagiello  
Lucas Annabelle  
Luke Johnson  
Mark Clayer  
Martin Lowe  
Maurice Guzman  
Paul Stalley  
Peter Choong  
Philip Rowell  
Richard Boyle  
Richard Carey Smith  
Sarah O'Reilly  
Scott Somerville  
Stewart Morrison



### AUSTRIA

Gerhard Hobusch



### CHINA

Hairong Xu



### COLUMBIA

Francisco Linares



### ECUADOR

Juan Zumarraga



### INDIA

Manish Agarwal



### ITALY

Andrea Angelini



### NEW ZEALAND

Andy Graydon  
Andy Johnston  
Gordon Headel  
Josh Kempthorne  
Mike Hini  
Shaneel Deo



### UNITED KINGDOM

Asher Siddiqi  
Duncan Whitwell



### UNITED STATES

Val Lewis



Francis John Hornicek  
Position: President  
(USA)



Panayiotis Papagelopoulos  
Position: Immediate Past  
President (Greece)



Hiroyuki Tsuchiya  
Position: Past President  
(Japan)



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Position: Board Member  
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Position: Board Member  
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Valerae O. Lewis  
Position: Board Member  
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Position: President elect  
(Australia)



Pietro Ruggieri  
Position: Secretary General  
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Philipp Funovics  
Position: Treasurer  
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Peter Rose  
Position: Board Member  
(USA)



Claudia Di Bella  
Position: Board Member  
(AUS)



Francisco Linares  
Position: Board Member  
(COL)



Eduardo Botello Correa  
Position: Membership  
Chair (Chile)



Han-Soo Kim  
Position: Board Member  
(Korea)



Xiaohui Niu  
Position: Board Member  
(China)



Mirko Büttner  
Position: Industry Liaison,  
Implantcast (Germany)



Christina D'Anjou  
Position: Industry Liaison,  
Stryker (USA)



ISOLS Association  
Management Company

# Information

**Venue** Brisbane Convention & Exhibition Centre, Merivale Street entrance

**Scientific Sessions** Great Hall 1 (aka Q1), M1 and M2 - Mezzanine Level

**Registration Desk** Located in the Foyer Level, Merivale Street entrance

Tuesday 8 October	6.30am–5.00pm
Wednesday 9 October	6.00am–4.00pm
Thursday 10 October	6.00am–4.00pm
Friday 11 October	6.00am–4.00pm

**Exhibition Area** Located on the Mezzanine Level outside Great Hall 1

Tuesday 8 October	6.30am–3.00pm
Wednesday 9 October	6.30am–3.00pm
Thursday 10 October	6.30am–3.00pm
Friday 11 October	6.30am–3.00pm

**Speakers Pre Room** Located on the Mezzanine Level, M10

Tuesday 8 October	6.00am–4.00pm
Wednesday 9 October	6.00am–4.00pm
Thursday 10 October	6.00am–4.00pm
Friday 11 October	6.00am–4.00pm

**Namebadges** Please wear your name badges during the meeting

**Catering** All catering will occur in the Exhibition Area

**App** To download the conference app click on the QR code and enter your ISOLS 2024 registered email address and password you would you been provided - if you cannot locate your password email [info@isols2024.org](mailto:info@isols2024.org)



**Wifi** Free Wi-Fi is available in the centre, The free Wi-Fi is designed for web browsing and checking web based emails.



# Social Functions

## Tuesday 8 October 2024

### Welcome Cocktail Function

**Venue:** Mezzanine Level outside Great Hall 1, Brisbane Convention & Exhibition Centre

**Time:** 5.30pm - 7.30pm (after the Opening Ceremony)

**Dress:** Business Attire

(Included in registration, select to attend when registering)

## Wednesday 9 October 2024

### President's Dinner

**Venue:** Brisbane Town Hall

**Time:** 6.30pm - 10.30pm

**Dress:** Black Tie

(Invitation only)

## Thursday 10 October 2024

### Women of ISOLS Cocktail Party (Invite only)

**Time:** 6.00pm - 7.00pm

**Venue:** Mezzanine Level outside Great Hall 1, Brisbane Convention & Exhibition Centre

### Gala Dinner

**Time:** Pre Drinks 6.30pm

Dinner 7.00pm - Midnight

**Venue:** Plaza Ballroom, - Brisbane Convention & Exhibition Centre

**Dress:** Conference Shirt

(Register to attend: Cost \$180)

# Sponsors

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# Scientific Program

**22nd General Meeting of ISOLS  
8-11 October 2024**

**Brisbane Convention & Exhibition Centre  
Brisbane, Queensland, Australia**

**[www.isols.com](http://www.isols.com)**

**Email: [info@isols2024.org](mailto:info@isols2024.org)**



**International Society  
Of Limb Salvage**

## Pre - ISOLS2024 2024 William F. Enneking Musculoskeletal Pathology Course

**Friday – Sunday 4-6 October 2024**

**8.00am - 5.30pm      Room M1      Brisbane Convention & Education Centre**

**Faculty**      Prof Mark T. Scarborough MD, University of Florida, USA  
Dr André Spiguel MD, University of Florida, USA  
Dr Zak Kanaan, FRCPA St Vincent's Hospital, Melbourne, Australia  
Mr Gerard J. Powell FRACS, University of Melbourne, Australia  
Mr Grant Pang FRACS, Peter MacCallum Cancer Institute, Melbourne Australia  
Prof Richard Carey Smith FRACS, University of Western Australia

### **Course Overview**

This three-day seminar is an immersion experience in basic musculoskeletal pathology, correlated with radiographic imaging and staging techniques, histologic diagnosis, and principles of treatment covering the gamut of musculoskeletal lesions.

This is the fifth time that this premier course has been offered in Australia and it represents a unique opportunity for registrars and consultants in the fields of Orthopaedics, Pathology & Radiology

Each day begins with a key presentation followed by a morning session concerning specific subjects taught by case presentation that includes microscopic study of the pertinent histologic slides and interactive computer assisted instruction.

Experienced musculoskeletal pathologists and orthopaedic surgeons are available for individual instruction throughout these sessions. Discussion cases are available for study during the session and an interactive discussion between faculty and participants focused on the treatment of the subjects under consideration concludes the session.

The afternoon session is a duplicate of the morning session; presentation of case materials, histologic slides, and computer assisted instruction of the subjects under consideration, followed by discussion of the treatment focused discussion cases.

The day concludes with an interactive discussion between participants and instructors concerning the diagnosis and management of the day's unknowns.

**Proudly supported by ISOLS Auspices and the Australia & New Zealand Sarcoma Association**

**Additional Registration & Payment is required to attend the above course**

Registration for this course is  
separate from ISOLS 2024 registration.  
Use the QR code to register.  
Spots are limited, so don't delay if you  
wish to attend.



# Pre - ISOLS2024

## Younger Surgeons Forum

**Attendance is exclusively for those registered as Young Fellows or Surgeons in Training for ISOLS 2024.**

### Monday 7 October 2024

12.30pm - 5.30pm Room M2 Brisbane Convention & Exhibition Centre

**Theme:** Osteosarcoma **Convenor:** Philip Rowell

- 12.30pm - 1.45pm Osteosarcoma subtypes and how it changes my management.  
Moderator James Flint (San Diego)  
Speakers Jay Wunder (Toronto) | Yingqi Hua (Shanghai)
- 1.45pm - 2.45pm Resection planning, what imaging do I use pre and post neoadjuvant treatment. How I deal with abutment of critical structures. Does imaging chemo response change my management? What now – post critical structure abutment resection in setting of poor chemo response?  
Moderator Alysia Kemp (United States)  
Speakers Justin Bird (Texas) | Ajay Puri (India)
- 2.45pm - 3.15pm Afternoon Tea
- 3.15pm - 4.45pm Osteosarcoma difficult cases, resection and reconstruction philosophies.  
Moderator Manuel Medellin (Colombia)  
Speakers Andre Spiguel (USA) | Lee Jeys (Birmingham),  
Mariel Spense (Argentina)
- 4.45pm - 5.30pm Oligometastasis on presentation and recurrent osteosarcoma. Timing of metastasectomy and role of chemotherapy and resection.  
Moderator Harsha Tadala (India)  
Speakers Vivek Bhadri (Australia) | Morgan Windsor (Australia)
- 6.30pm - 9.30pm Younger Surgeons Dinner - Emporium Hotel South Bank (Invitation Only)



# Pre - ISOLS2024

## Developing Countries Educational Program

**Attendance is exclusively by invitation only.**

### Monday 7 October 2024

8.30am - 5.30pm Room M1 Brisbane Convention & Exhibition Centre

**Faculty:** David Wood, Perth Australia  
Duncan Whitwell, Oxford UK  
Ather Siddiqi, Oxford UK  
Max Gibbons, Oxford UK  
Valerae Lewis, Houston USA

This course is linked to an online interactive open access course that includes the following topics:

1. Clinical presentation of Musculoskeletal Tumours
2. Aetiology and natural history
3. Staging
4. Principles of Biopsy
5. Principles of sarcoma surgery
6. Imaging of Musculoskeletal tumours
7. Principles of Radiation Therapy
8. Principles of Chemotherapy
9. Psychological aspects of management

The face-to-face course will cover the more complex issues in sarcoma management with an emphasis on case-based discussions.

The topics will include:

1. Amputation v Limb Salvage
2. Management of Osteosarcoma
3. Management of Cartilaginous tumours
4. Classification and management of soft tissue sarcomas
5. Pelvic resections and reconstructions
6. Infection and sarcoma
7. Sarcoma Genomics
8. Management of Ewing's sarcoma
9. Management of metastatic disease
10. Amputation or biological reconstruction, what can be achieved.
11. Soft tissue reconstruction after sarcoma surgery
12. Establishing a sarcoma service in a developing country

6.30am Registration & Exhibition Viewing

## Plenary - Scientific Symposia (Room Q1)

- 7.30am** **Meet the Professors - Best free papers interaction** (Rooms M1&2)  
Breakfast inclusive session **Moderator** - Peter Choong
- 8.30am** **Meeting Opening - Welcome** Francis Hornicek / Peter Steadman
- 9.15am** **Session 1 Functional Outcome Scoring - Time For a New Approach?**  
**Co-Chairs** Jake Jagiello / Gerhard Hobusch / Val Lewis
- 10.30am** **Session 2 Chondroid Tumours - BOOM Consensus Findings**  
**Co-Chairs** Lee Jeys/ Richard Boyle
- 12.00pm** Refreshment Break
- 12.30pm** **Session 3 Consensus on Reporting Surgical Complications**  
**Co-Chairs** Duncan Whitwell / Ather Siddiqi / Emmy Nyqvist
- 1.45pm** **Sponsor Lunchtime Symposium - Novagenit Australia**
- 2.45pm** **Session 4 3D Printed Custom Pelvic Implants**  
**Co-Chairs** Richard Boyle / Sarah O'Reilly-Harbidge / Panos Papagelopoulos / Daniel Franks
- 4.00pm** **Free time before Opening Ceremony**

**4.30pm Opening Ceremony**

**5.30pm - 7.30pm**

**Welcome Reception**  
**Brisbane Convention & Exhibition Centre**

## Concurrent Session

Free Paper Podium Presentations (Rooms M5&6)

- 9.15am - 10.35am **Moderators:** Sarah O'Reilly-Harbidge, Eduardo Botello  
10.35am - 12.00pm **Moderators:** Andrea Angelini, Josh Kempthorne

### Instructional Course Lectures (Rooms M1&M2)

- Session 1. Chairs:** Grant Pang, Richard Carey Smith
- 9.30am **Proximal Tibial Resection / Replacement**  
Peter Ferguson, Canada
- 10.00am **Reconstructing the Knee Extensor Mechanism**  
Juan Pablo Zumarraga, Ecuador
- 10.30am **Reverse Shoulder Arthroplasty for Tumour**  
André Spiguel, USA
- 11.00am **Managing Megaprosthesis Joint Infection.**  
Mike Parry, UK
- 11.30am **Rotationplasty**  
Stewart Morrison and Lucas Annabell, Australia
- 12.00pm Refreshment Break
- Session 2. Chairs:** Martin Lowe / Maurice Guzman
- 12.30 pm **Computer Navigated Tumour Resection.**  
KC Wong, HK China
- 1.00pm **Internal Hemipelvectomy.**  
Lee Jeys, UK & Arne Streitbuerger, Germany
- 1.30pm **Anterior Flap Hindquarter Amputation.**  
Pietro Ruggieri, Italy
- 2.00pm **Proximal Femoral Resection/Replacement.**  
Ashish Gulia, India
- 2.30pm **Distal Femoral Resection/Replacement.**  
Mike Flint, New Zealand

6.30am - 7.30am **Meet the Professors - Best abstracts interaction (Rooms M1&2)**  
Breakfast inclusive session Moderator - Richard Boyle

## Plenary - Scientific Symposia (Room Q1)

- 7.30am** **Session 5** **Can We Agree on Definitions of Surgical Margins?**  
Co-Chairs Gerard Powell | Andy Johnston | Manish Agarwal
- 8.45am** **Session 6** **Amputees - The Forgotten Cohort.**  
Co-Chairs Mike Flint | Gerhard Hobusch | Val Lewis | David Wood
- 10.00am Morning Tea
- 10.30am** **Session 7** **Operating at the Edge - A Journey Into The Future**  
Co-Chairs Shaneel Deo | Claudia Di Bella | Hairong Xu | Duncan Whitwell | Ather Siddiqi
- 11.45am** **Session 8** **Artificial Intelligence and Sarcoma Care.**  
Co-Chairs Jake Jagiello | Maurice Guzman
- 1.00pm** **Sponsor Luncheon Symposium - Adler Orthopaedics**
- 2.00pm Free Time

## Concurrent Session

### Free Paper Podium Presentations (Rooms M1&2)

- 2.00pm - 3.38pm **Moderators:** Val Lewis, Ather Siddiqi  
3.43pm - 5.25pm **Moderators:** Gerhard Hobusch, Ellie Houghton

### Nurses and Allied Health Day (Rooms M1&2)

- 8.00am Welcome and House Keeping - Natalie Karlovic  
8.10am Models of Care - Jean Windsor and Rebecca Martin  
8.30am Special Interest Group Meeting - Natalie Karlovic/Jean Windsor/Rebecca Martin
- 9.00am National Rehabilitation Guidelines in Musculoskeletal Oncology: A Case Study  
Kate Scanlan (Stanmore) OT/ Shea Byrne (Stanmore PT)  
9.30am Prehabilitation in Paediatric Sarcoma Patients - Claire Laurie (RCH) PT
- 10.00am Morning Tea
- 10.30am Rotationplasty Surgery- Dr Martin Lowe (QCH/PAH)  
11.10am Life following sarcoma surgery: A qualitative  
research update - Kate Scanlan (Stanmore) OT and Shea Byrne (Stanmore) PT  
11.40am Updates on Prosthesis - Rachel Pola and Jessica Angus  
12.10pm Minimally Invasive Treatment of Pelvic Metastases - Francis Lee  
12.50pm Questions and Discussions  
1.00pm Lunch

6.30pm - 10.30pm  
Presidents Dinner  
(Invitation only)

6.30am - 7.30am **Meet the Professors - Best abstracts interaction** (Rooms M1&2)  
Breakfast inclusive session Moderator - Richard Carey Smith

## Plenary - Scientific Symposia (Room Q1)



7.30am	<b>Session 9</b>	<b>Not Just Little Adults - Current Issues in Paediatric Orthopaedic oncology</b> Co-Chairs Peter Steadman   Martin Lowe   Andrew Graydon   Natacha Omer
8.45am	<b>Session 10</b>	<b>Metastatic Bone Disease</b> Co-Chairs Josh Kempthorne   Ather Siddiqi   Manish Agarwal   Claudia Di Bella
10.00am	Morning Tea	
10.30am	<b>Session 11</b>	<b>The Role of RTX in Low Grade Sarcoma</b> Co-Chairs Grant Pang   Val Lewis   Mihir Shanker
11.45am	<b>Session 12</b>	<b>Timing of Surgery in Ewing Sarcoma</b> Co-Chairs Stewart Morrison   Richard Carey Smith   Andrea Angelini   Ather Siddiqi   Juan Pablo Zumarraga
1.00pm	<b>Sponsor Lunchtime Symposium - Implantcast</b> <b>"Update on Treatment Strategies Using MegaProstheses"</b>	
2.00pm	Free Time	
2.00pm	Australia & New Zealand Sarcoma Association ASM commences in M2	

## Concurrent Sessions

<b>Sarcoma Community Connection - Convenor Sarah Cheung</b>		<b>(Rooms M1&amp;2)</b>
9:00am	Welcome & opening remarks	Sarah Cheung
9:15am	Patient experience	Harry Mullen
9:25am	Current ANZSA sponsored ewing sarcoma trials	Marianne Phillips
9:35am	Pathology - We've got your back	Fiona Maclean
9:45am	Surgery & reconstruction techniques for ewings	Richard Boyle
9:55am	Radiation therapy dose & technique for ewings	Angela Hong
10:05am	Taking care of carers	Susan Johnson
10:15am	Morning Tea & Networking	
10:45am	Patient experience	Peter Flaskas (pre-record)
10:55am	Choose your own workshop	
	Option 1: Meditation & reflective space	Karen Thrussell & Natalia Dewiyani
	Option 2: Explore and Connect. An art psychotherapy approach to self-awareness and self-care	Kate Palmer
11:30am	Patient experience	Kaela Graham - Bowman
11:45am	Closing remarks	Sarah Cheung
12:00pm	Lunch   ANZSA Poster Viewing Session	
<b>Australia &amp; New Zealand Sarcoma Association Annual Scientific Meeting</b>		<b>(Rooms M1&amp;2)</b>
2.00pm	Welcome	David Gyorki
2.05pm	Collaborating for Global Impact-an evolving journey	Jayesh Desai
<b>Session - Collaboration</b>		<b>Co-Chairs Natacha Omer &amp; Fiona Maclean</b>
2.30pm	Martin Tattersall Lecture	Nathalie Gaspar
3.05pm	The importance of recognized networks to improve sarcoma care in Oceania	Joanna Connor
3.25pm	SU2C-SARC032: A randomized trial of neoadjuvant RT and surgery with or without pembrolizumab for soft tissue sarcoma	Angela Hong
3.45pm	International collaboration in retroperitoneal sarcoma - progress, plans and opportunities	David Gyorki
4.05pm	Afternoon Tea	
4.20pm	<b>The Great Debate Should all patients with sarcoma be enrolled on a clinical trial?"</b> Con: Joanna Connor Pro: Marianne Phillips Moderator: David Gyorki	
<b>Session - Multidisciplinary approaches to sarcoma</b>		<b>Co-Chairs Vlad Andelkovic and Martin Lowe</b>
4.50pm	Radiology of retroperitoneal sarcomas	Wendy Brown
5.05pm	Radiation oncology progress in sarcoma	David Pryor
5.20pm	Improving outcomes for adolescents and young adults with sarcoma	Jeremy Lewin
5.35pm	Panel discussion - MDT models of care and collaboration	

### 5.45pm - 6.45pm ANZSA Annual General Meeting



### Sock it to Sarcoma Workshop (Rooms M5&6)

07.00am - 12.00pm Communication Skills Training for Health Professionals Working with people diagnosed with Sarcoma and their Carers

6.00pm - 7.00pm

**Women of ISOLS Cocktail Party (Invite Only)**

Mezzanine Level outside Great Hall 1, Brisbane Convention & Exhibition Centre

7.00pm - Midnight (Pre Drinks 6.30pm)

**Gala Dinner**

Plaza Ballroom, Brisbane Convention & Exhibition Centre

## Plenary - Scientific Symposia (Room Q1)

ISOLS International Society Of Limb Salvage Shared Session



7.00am	<b>Session 13</b>	<b>Best of Free Papers #1</b> Co-Chairs Gordon Beadel   Shekhar Kumta   Rob Pollock
8.45am	<b>Session 14</b>	<b>Cancer Registries and Sharing Data</b> Co-Chairs Luke Johnson   Peter Rose
10.00am	Morning Tea	
10.30am	<b>Session 15</b>	<b>Best of Free Papers #2</b> Co-Chairs Shekhar Kumta   Frank Traub   Lester Chan
11.15am	<b>Session 16</b>	<b>Personalised and Precision Therapies</b> Co-Chairs David Wood   Hairong Xu   Francisco Linares
1.00pm	<b>Sponsor Lunchtime Symposium Boehringer - Ingelheim</b> "Sarcoma - A year in review: Targeted therapies"	
2.00pm	Australia & New Zealand Sarcoma Association Annual Scientific Meeting Commences in M2	
2.00pm	<b>ISOLS General assembly</b>	
	- Summary of Polls, What Have We Learned?	
	- Future Directions & Strategic Plan	
	- Prizes & Awards	
	- AGM & Presidential Handover	
	- Farewell	

## Concurrent Sessions



### Australia & New Zealand Sarcoma Association Annual Scientific Meeting (Rooms M1&2)

<b>Session - Translational Research</b>		<b>Co- Chairs Maya Kansara and Madeleine Strach</b>
2.00pm	Osteosarcoma : turning point to implement biology in clinical practice ?	Nathalie Gaspar
2.25pm	Empowering the immune system: harnessing natural killer cells against sarcoma	Natacha Omer
2.40pm	CD8+ T cell tolerance and immune evasion in retroperitoneal sarcoma	Ian Parish
2.55pm	Advanced diffusion MRI of bone and soft tissue tumours	Minh-Son To
3.10pm	Precision medicine in soft tissue sarcomas	Paul Huang
<b>Session - 5 x Rapid Fire Papers</b>		<b>Co- Chairs Rick Walker</b>
3.30pm	Can proteomics predict metastatic relapse in leiomyosarcoma? Development of an 8 protein signature in a >350 sample study including a validation cohort	Elizabeth Connolly
3.35pm	Advanced immunopeptidomics reveals novel HLA-Bound peptide targets for precision immunotherapy in ewing sarcoma	Pouya Faridi
3.40pm	Real world clinical utility of next generation sequencing in adolescent and young adult sarcoma patients	Karan Gupta
3.45pm	Using muscle magnetic resonance imaging to predict physical outcomes in paediatric musculoskeletal sarcoma: An observational study.	Claire Laurie
3.50pm	Dynamic evaluation of a humanized bone tumour microenvironment to study osteosarcoma primary tumour remodelling and lung metastasis development	Jacqui McGovern
3.55pm	Choong Dickinson Poster Prize	
4.15pm	Closure	Natacha Omer

<b>Session 1</b>	<b>Functional Outcome Scoring – Time for a New Approach?</b> Co-Chairs Jake Jagiello / Gerhard Hobusch / Val Lewis Establishing Outcome Programs: How to incorporate into your practice What kind of validated tools are available - PROs versus CRO's? How to objectively assess the outcome? Wearables? Importance of Pre-hab Health economics and quality of life in patients with extremity bone sarcoma. Perspectives from a Patient now turned Treatment specialist - Q&A session Radiation oncology registrar and Sarcoma Survivor	Shalin Patel Joe Schwab Vs Adam Levin Alex Penny Ann No and Alex Penny Liam Fernando-Canavan Jake Jagiello Stephanie Webster	<b>Session 8</b>	<b>Artificial Intelligence and Sarcoma Care</b> Co-Chairs Jake Jagiello / Maurice Guzman Artificial Intelligence in the 21st Century Clinical Applications of AI in Orthopaedics and Surgery The Role of AI in Pathological Diagnosis Machine Learning Algorithms in Large Scale Data & Clinical Spectroscopy AI in Radiology for Sarcoma Diffusion Weighted MRI, AI and Imaging of Sarcomas AI-Driven Software for Bone-Tumor resection planning and Custom Jig Design: Can Surgeons manage without engineering help? Discussion	Qi Wu Prakash Jayakumar (pre-record) Fiona Maclean Shekhar Kumta Thomas Lloyd Minh-Son To Manish Agarwal
<b>Session 2</b>	<b>Chondroid Tumours – BOOM Consensus</b> Co-Chairs: Richard Boyle / Lee Jeys What is BOOM? Chondrosarcoma results PJI results Understanding the global perspective Future Chondrosarcoma studies Future PJI studies BOOM 2026 Case Based Panel Discussion (Walid Ebeid, Minna Laitinen & Tomas Zamora)	Lee Jeys Ajay Puri Pietro Ruggieri Eduardo Botello Matthew Houdek Zeeshan Khan Keith Hoskins	<b>Session 9</b>	<b>Not Just Little Adults - Current Issues in Paediatric Orthopaedic Oncology</b> Co-Chairs: Peter Steadman / Martin Lowe / Andrew Graydon / Natcha Omer Challenges in Pediatric Bone sarcoma to accelerate new drug introduction in first line Updates on bone transport in paediatric oncology Saving paediatric joints and physes in paediatric sarcoma Tips and tricks for the use of growing prosthesis in children Experiences in van ness rotationplasty in the young sarcoma patient Case Based Panel Discussion	Nathalie Gaspar Lee Zuckerman KC Wong Bartosz Pachuta Martin Lowe
<b>Session 3</b>	<b>Consensus on Surgical Complications Reporting</b> Co-Chairs: Duncan Whitwell / Ather Siddiqi / Emmy Nyqvist Historical of Henderson Classification ISOLS president Overview of Henderson Classification and Limitations Case based discussion on Soft tissue sarcoma complication Case based discussion on Bone Sarcoma complication Solutions: Infection Coating Solutions: Osseointegration Solutions: Scoring system soft tissue Discussion Summary -Moving on	Francis Hornicek Emmy Nyqvist Peter Ferguson Duncan Whitwell / Ather Siddiqi Imran Khan Gordon Blun (pre-record) Peter Ferguson / Duncan Whitwell	<b>Session 10</b>	<b>Metastatic Bone Disease</b> Co-Chairs: Josh Kempthorne / Ather Siddiqi / Manish Agarwal / Claudia Di Bella Decision making, Nomograms, Predictive Scoring Metastatic Bone Guidelines / National Pathways A Promise to our Patients with Metastatic Bone Disease Role of Minimally Invasive AORIF in First Line Management Case Based Panel Discussion	Minna Laitinen Rob Pollock R. Lor Randall Francis Lee
<b>Session 4</b>	<b>3D Printed Custom Pelvic Implants</b> Co-Chairs Richard Boyle / Sarah O'Reilly-Harbidge / Panos Papagelopoulos / Daniel Franks Where are we now? Europe - Panos Papagelopoulos / USA - Krista Goulding / APAC - Vivek Ajit Singh What are the problems/solutions? : How much tech do I need ? Planning/Nav/Guides What approach to use / how to get it in? Does engineering matter / design / fixation / how to keep it in! Should we close the ring?... Front and back? From the engineers: What does the future hold? Adler Ortho SpA / Zimmer Biomet / Brain Lab / Implantcast / Signature Ortho Expert Panel - Lee Jeys / Pietro Ruggieri / Paul Stalley / Doris Wenger + Co - Chairs	Richard Carey Smith Daniel Kotrych Daniel Franks Scott Sommerville	<b>Session 11</b>	<b>The Role of Radiation Therapy in Low Grade Soft Tissue Sarcoma</b> Co Chairs: Grant Pang / Valerae Lewis / Mihir Shanker Radiotherapy in Low-Grade Retroperitoneal Sarcoma Radiotherapy in Low Grade Extremity Sarcoma Debate. Stephen Thompson (radiation oncologist) vs Ajay Puri (Surgeon) Panel Case Based Panel Discussion	Mihir Shanker Andrew Bishop (pre-record)
<b>Session 5</b>	<b>Can We Agree on Definitions of Surgical Margins?</b> Co-Chairs Gerard Powell / Andy Johnston / Manish Agarwal The history of planned surgical margins Current Thoughts on Surgical Margins Accuracy of Radiology in Surgical Margins Quality of Margins according to Tissue Type A pathologists view of surgical margins Agreeing on Margins for National Database Case Based Panel Discussion	Mark Scarborough Michael Parry Thomas Lloyd Keisuke Ae Fiona Maclean Benjamin Miller	<b>Session 12</b>	<b>The Timing of Surgery in Ewing Sarcoma</b> Co-Chairs: Richard Carey Smith / Stewart Morrison / Andrea Angelini / Ather Siddiqi / Juan Pablo Zumarraga Introduction to session 3 Cases (Easy, Medium, Hard) Current surgical practice and principles Current Practice-Medical oncology Current Practice-Rad onc Complications of Surgery Clinical cases re discuss and vote until time is up with summary-RCS/Panel	Richard Carey Smith Stewart Morrison Milton Ghosh Annie Ryan David Pryor Lee Jeys
<b>Session 6</b>	<b>Amputees - The Forgotten Cohort</b> Co-Chairs: Mike Flint / Gerhard Hobusch / Valerae Lewis / David Wood Microvascular and neural echniques (OI, TMR, RPNI, AMR) to complement amputation Alternative surgical techniques - Osteointegration Developing Your Own Prosthesis Hemipelvectomy reconstruction Agonist-antagonist myoneural interface Importance of Multidisciplinary Team (physiotherapist, psychologist, prosthetist) Adoptive Activities	Meg Rouboard  James Flint Antonio Marcelo Souza Justin Bird Matt Carty Shani Jackman Adam Deans/Brial McPherson	<b>Session 13</b>	<b>Best of Free Papers #1</b> Co Chairs: Shekhar Kumta / Gordon Beadel / Rob Pollock	Ben Miller Andreas Leithner Marcus Galli Ferdiansyah Mahyudin Susie Bae
<b>Session 7</b>	<b>Operating at the Edge; A Journey into the Future</b> Co-Chairs: Shaneel Deo / Claudia Di Bella / Hairong Xu / Duncan Whitwell / Ather Siddiqi Shaping the Future of Orthopaedic Oncology: Insights on Technological Advances and Emerging Opportunities Medical Imaging and Fingerprints SarcoSIGHT- A Randomised Controlled Trial of Fluorescence Guided Sarcoma Surgery Versus Standard of Care Developing a Mixed Reality Tool for guided Pelvic Resections. Where do we stand Achieving optimal bone margins in the era of computer-assisted tools Surgery and Deep Space Exploration: The Next Frontier Panel Discussion	Justin Bird Tom Lloyd  Kenny Rankin Ather Siddiqi KC Wong Bobby Satcher	<b>Session 14</b>	<b>Cancer Registries and Sharing Data</b> Co-Chairs: Luke Johnson / Peter Rose The Status of Data Collection in the USA The Status of Data Collection in Europe The Status of Data Collection in South America Barriers and Data Collection Equity Across the Globe Historical Data and Migration to New Systems Panel Discussion - Data Dictionaries & WHO position on Data Sharing	Ben Miller Andreas Leithner Marcus Galli Ferdiansyah Mahyudin Susie Bae
<b>Session 15</b>	<b>Best of Free Papers #2</b> Co-Chairs: Shekhar Kumta / Frank Traub, / Lester Chan	<b>Session 16</b>	<b>Personalised and Precision Therapies</b> Co-Chairs: David Wood, Hairong Xu, Francisco Linares Introduction Screening directed by hereditary cancer risk The role of liquid biopsies in sarcoma Management Establishment, characterisation and profiling of osteosarcoma models Unlocking the anti-cancer immunity: Advancements in immunotherapy against sarcoma Outsmarting Sarcoma	David Wood Mandy Ballinger Rodrigo Cardoso Jacqui McGovern Fernando Guimares David Thomas (pre-record)	

# Congratulations!

as rated by the ISOLS world abstract reviewers

## Session 13 Friday 11 October 2024

7.00am - 8.52am (Room Q1)

Co Chairs Shekhar Kumta | Gordon Beadel | Rob Pollock

- 7.00am Introduction
- 7.04am **Krista Goulding** - What are the implant revision-free survival and infection-free survival outcomes for patients undergoing custom three-dimensional (3D) printed or machined hemipelvis reconstruction for massive pelvic defects? A multi-centre, international study of 206 patients
- 7.10am **Ryo Katsuki** - Pulmonary metastatic-related microRNA in osteosarcoma
- 7.16am **Chuangzhong Deng** - Osteosarcoma cells derived extracellular vesicles mediate lung premetastatic niche formation by reprogramming lung interstitial macrophages
- 7.22am **Alexander Klein** - Raised metal-ion concentrations after tumor resections and reconstruction with megaprotheses around the knee joint
- 7.28am **Lee Jeys** - Dedifferentiated chondrosarcoma of the pelvis: A hopeless malignancy?
- 7.34am **Xiaobo Yan** - Efficacy of synthetic mesh reconstruction for pelvic floor function after sacrectomy? A preliminary clinical assessment
- 7.40am **Krista Goulding** - Comparison of functional outcomes, all-cause revision and infection-free survival in patients undergoing custom 3D hemi pelvis reconstruction after internal hemipelvectomy or revision arthroplasty for massive pelvic defects
- 7.46am **Yuta Taniguchi** - Risk factors of patellofemoral osteoarthritis after distal femur endoprosthesis reconstruction
- 7.52am **Brooke Crawford** - Oxygenation of Hypoxic Bone Sarcomas with a Novel Nanoparticle
- 7.58am **Lukas Nystrom** - Tissue Perfusion and Wound Complications following Soft Tissue Sarcoma Resection
- 8.01am **Lukas Nystrom** - Matched Cohort Analysis of Ultra-Hypofractionated Preoperative Radiation Therapy versus Standard Fractionation in the Treatment of Soft Tissue Sarcoma -
- 8.04am **Lukas Nystrom** - Cemented vs. Uncemented Hip Arthroplasty for Proximal Femoral Metastatic Bone Disease: A Multicenter Analysis of 264 Cases
- 8.10am **Thomas England** - Elevated Serum Metal Ions in Patients with Hip & Knee Megaprotheses: Prospective Cohort Study and Implications for Surveillance.
- 8.16am **Chuangzhong Deng** - MOF@COF Nanocapsules Enhance Soft Tissue Sarcoma Treatment: Synergistic Effects of Photodynamic Therapy and PARP Inhibition on Tumor Growth Suppression and Immune Response Activation
- 8.22am **Mikaela Sullivan** - Comparison of reconstructive techniques for non-primary malignancies in the proximal humerus -
- 8.28am **Fan Tang** - Patient-Derived Tumor Xenografts Plus Ex Vivo Models Enable Drug Validation for Tenosynovial Giant Cell Tumors
- 8.34am **Mauricio Etchebehere** - Comparison of PET/CT images with 18F-FDG and 18F-PSMA-1007 in musculoskeletal tumors to evaluate the potential of theranostics approach. -
- 8.40am **Zhenfeng Duan** - Cyclin-dependent kinase 7 (CDK7) expression in chordoma: a novel therapeutic target -
- 8.52am Session concludes

## Session 15 Friday 11 October 2024

10..30am - 11.15am (Room Q1)

Co Chairs Shekhar Kumta | Frank Traub | Lester Chan

- 10.30am Introduction
- 10.31am **Alexander Lazarides** - Understanding the influence of chimeric antigen receptor T-cell therapy on fracture risk of patients with multiple myeloma
- 10.37am **Jun-Qiang Yin** - Tumor-informed deep sequencing of ctDNA detects minimal residual disease and predicts relapse in sarcoma
- 10.43am **Krittawat Suwanpukdee** - Surgical Site Infection in Soft Tissue Sarcoma Patients with 24-hour Prophylactic Antibiotic Courses versus Antibiotic Administration Until Drainage Removal: A Randomized, Double-Blinded, Non-Inferiority trial
- 10.49am **Ashley Castan** - Understanding Oligometastatic Disease in Soft Tissue Sarcomas: A Thorough Review of the Literature
- 10.55am **Chenbei Li** - Deep learning on H&E stained Pathological Images for classification of Giant Cell-rich Bone Tumors
- 11.01am **Lee Jeys** - Sacral chordoma- resect or radiate?
- 11.07am **Sudhir Kannan** - Development and validation of nomograms for predicting Early Recurrence and Metastasis in Leiomyosarcoma of trunk wall and extremities. A Multicentre data analysis.
- 11.15am Finish

**Tuesday 8 October 2024 9.15am - 10.35am (Rooms M5&6) Moderators : Sarah O'Reilly-Harbidge, Eduardo Botello**

- 9.15am **Yong-Suk Lee** - Current Concept for Treatment of Extra-Abdominal Desmoid-Type Fibromatosis: Review
- 9.18am **Gabriel Li** - Pressure controlled artificial pneumoperitoneum for safe ablation of abdominal wall desmoid fibromatosis
- 9.21am **Ting Yu Shih** - Resection for the Malignant Bone Tumors of Shoulder Girdle Region
- 9.24am **Ainul Miftah Azizain** - Management of Pathological Fracture Left Femur with Klippel Trenaunay Syndrome: a very rare case report
- 9.27am **Raden Handidwiono** - Scapular Brown Tumor Misdiagnosed as GCT in a Patient with Primary Hyperparathyroidism: A Case Report
- 9.30am **Ali Farhan Pentaliday** - Intraosseous Gout in the Medial Malleolus: A Case Report
- 9.33am **Yuh-Ruey Kuo** - Primary Pulmonary Mesenchymal Chondrosarcoma with Femoral Vein Metastasis
- 9.36am **Haijie Liang** - Outcomes of Sarcomas with Macroscopic Venous Tumor Thrombus Treated by Aggressive Resection with a Curative Intent: A Retrospective Study of 51 Consecutive Cases
- 9.39am **Taojung Gong** - Is 3D-printed mesh scaffold an alternative to reconstruct cavity bone defects near joint?
- 9.42am **Ting Yuan** - A Comparative Study of 3D-Printed Mobile Ankle Prostheses and Fusion Ankle Prostheses for Distal Tibial Tumor Reconstruction: A Preliminary Analysis
- 9.45am **Hong Duan** - Clinical Efficacy of 3D Printing Technology Assisted Limb Malignant Bone Tumor Surgery Based on Three-Dimensional Multimodal Imaging
- 9.48am **Li Min** - Is 3D-printed self-stabilizing endoprosthesis reconstruction without supplemental fixation following total sacrectomy a viable approach for sacral tumours?
- 9.51am **Zhuang Li** - Intercalary prosthetic reconstruction with 3D-printed custom-made porous component for defects of long bones with short residual bone segments after tumor resection
- 9.54am **Lars Erik Podleska** - Biologic bone regeneration: Clinical results of 3D-printed, resorbable, custom-made polycaprolactone (PCL) scaffolds for biologic repair of critical-size bone defects in orthopedic oncology
- 9.57am **Thomas Chow** - Development of a modular 3D printed osteosarcoma model
- 10.00am Discussion
- 10.35am Session Ends

**Tuesday 8 October 2024 10.40am - 12.00pm (Rooms M5&6) Moderators : Andrea Angelini, Josh Kempthorne**

- 10.40am **Vivek Ajit Sing** - Review and Validation of the ALT Scoring System for our cohort of patients
- 10.43am **Mohit Dhingra** - Quantification of proximal femoral lesions leading to pathological fracture under physiological load - a finite element assisted pilot study
- 10.46am **Carsten Gebert** - The Modified Harrington Procedure for Peri-Acetabular metastatic Lesions
- 10.49am **Ching Yu Hsieh** - Retrospective Review of Intramedullary Nail and Modular Proximal Femur Prosthesis in Treating Metastatic Peritrochanteric Disease at a Single Center
- 10.52am **Yu-Min Lin** - Freezing Nitrogen Ethanol Composite Might Help Periacetabulum Metastasis Surgery
- 10.55am **Maria Anna Smolle** - External validation of 9 prognostic scoring models in 862 patients with spine and extremity metastases
- 10.58am **Robert Satcher** - Antiresortive therapy in patients with renal cell carcinoma bone metastasis
- 11.01am **Ferdiansyah Mahyudin** - Clinical and Radiological Evaluation of Recycle Bone Reconstruction Using Liquid Nitrogen in Primary Malignant Bone Tumor
- 11.04am **Samuel Broida** - Autotransfusion During Intralesional Tumor Resection: Effectiveness of Leukocyte Reduction Filtration in Removing Neoplastic Cells
- 11.07am **Yang Dong** - The Application of Uncemented Stems in the Revision of Femoral Tumor-type Prosthesis
- 11.10am **Kuan-Lin Chen** - Biological Reconstruction of the Distal Tibia Following Wide Excision: Revisiting Mechanical Fixation Constructs
- 11.13am **Nor Faissal Yasin** - Aseptic loosening of distal femur endoprosthesis reconstruction
- 11.16am **Hua Wang** - Deep Learning based Classification Models in Identifying Bone Tuberculosis and Purulent Bone Infections based on Radiographs—a Multicenter and Retrospective Study
- 11.19am **Thanate Poosiripinyo** - Clinical Outcomes of Allograft and Autograft Recycling Prosthesis Compositewith Non-Hinged Constrained Polyethylene Liner Reconstruction following Bone Tumor Resection of the Knee
- 11.22am **Praveen Gupta** - Pre-operative planning and post-operative viability of Recycled tumour bone for limb salvage in primary malignant bone tumours; PG Radiology assessment system (PGRA)
- 11.25am Discussion
- 12.00pm Session Ends

**Wednesday 9 October 2024 2:00pm - 3.38pm (Rooms M1&2) Moderators : Val Lewis, Ather Siddiqi**

- 2.00pm **Vivek Ajit Singh** - Efficacy Of Low-Dose .vs High-Dose Intravenous Tranexamic Acid In Reducing Blood Loss In Major Musculoskeletal Oncology Surgery
- 2.03pm **Zyad Aldosari** - Oncological Outcomes of Extremity Soft Tissue and Bone Sarcomas with or without Vascular Intervention
- 2.06pm **Daniela Kristina Carolino** - Outcomes of the In Situ Preparation Technique for Sarcomas Adjacent to Major Neurovascular Structures
- 2.09pm **Burkhard Lehner** - Postoperative fractures after soft tissue sarcoma (STS) resection
- 2.12pm **Cameron Tuckey** - Predictors of vseroma formation in extremity soft tissue sarcoma
- 2.15pm **Panayiotis Gavriil** - Unplanned Excision of Soft Tissue Sarcoma – the Impact of Residual Disease in Re-Excision Specimen
- 2.18pm **Xiang Fang** - Preoperative planning using three-dimensional multimodality imaging for soft tissue sarcoma of the axilla: a pilot study
- 2.21pm **Jiayi Weng** - Surgical Excision of Atypical Lipomatous Tumours: Wide, “Wide-ish” or Marginal? Oncological and Functional Outcomes of Three Types of Excision
- 2.24pm **Amy Zeller** - Physical Function Correlates Better than Mental Health for Provider- and Patient-Reported Outcomes in Patients with Soft Tissue Sarcoma
- 2.27pm **Umesh Yadav** - Reassurance, resection & reconstruction (RRR) - outcome of upper limb sarcoma defects with deep inferior epigastric artery-based flap

**Wednesday 9 October 2024 2:00pm - 3.38pm (Rooms M1&2) Moderators : Val Lewis, Ather Siddiqi (Continued)**

- 2.30pm **Zile Singh Kundu** - Long term assessment of fibular hypertrophy after tibialisation/centralization for tibial tumours: A clinico-radiologic study of 8-20 years follow up
- 2.33pm **Zhuoyu Li** - What Are the Mechanisms of Failure, Survival and Function of Total Femoral Replacement for Oncological Indications?
- 2.36pm **Vijay Titus** - Reconstruction of Patellar Tendon After Proximal Tibia Reconstruction for Malignant tumors
- 2.39pm **Lee Zuckerman** - All internal distraction osteogenesis after tumor resection with magnetic intramedullary nails
- 2.42pm **Lorenzo Andreani** - Proximal femur megaprotheses in orthopedic oncology: Evaluation of a standardized post-operative rehabilitation protocol
- 2.45pm **Morgan Short** - Ewing Sarcoma: A retrospective review of incidence and risk factors affecting New Zealand Māori
- 2.48pm **Alexandra Callan** - Surgical Outcomes in Localized Ewing Sarcoma Patients Treated on AEWS1031: A Report from the Children's Oncology Group
- 2.51pm **Philipp Funovics** - Neo-adjuvant proton beam therapy and replantation of extra-corporally irradiated autografts for reconstruction of peri-acetabular Ewing's sarcoma.
- 2.54pm **Randy Susanto** - Case Report: Ewing Sarcoma of The Sacrum, Did the surgical intervention improve the overall outcome?
- 2.57pm **Marcio Moura** - Total spondylectomy 'in block' - three vertebral bodies or more, long segment
- 3.00pm **Guowen Wang** - The application of endoscopic tubular musculoskeletal tumor surgery in the treatment of spinal tumors
- 3.03pm Discussion
- 3.38pm Session Ends

**Wednesday 9 October 2024 3.43pm - 5.25pm (Rooms M1&2) Moderators : Gerhard Hobusch, Ellie Houghton**

- 3.43pm **Rishi Agarwal** - Long term outcomes of 'tibia into acetabulum' (B3a) Rotationplasty after total femur excision in children.
- 3.46pm **Narendra Butola** - Outcome of proximal femur reconstruction in pediatric patients with primary malignant bone tumors - An institutional experience of 11 cases in a tertiary care cancer centre from India
- 3.49pm **Steven Thorpe** - Recovery of Patient-reported outcomes After Intervention for extRremity MBD (REPAIR): A Preliminary Report on an Ongoing Multi-center Trial for Patients Undergoing Surgical Stabilization for Metastatic Bone Disease of the Femur
- 3.52pm **Hung-Kai Weng** - Skeletally immature children with osteogenic sarcoma around knee treated with hemi-knee arthroplasty
- 3.55pm **Abigail Tud** - Filipinos with conventional extremity osteosarcoma: an analysis of treatment outcomes from a government sarcoma referral center
- 3.58pm **Zhiping Deng** - Oncological results and influence factors of the surgical treatment of parosteal osteosarcoma in distal femur
- 4.01pm **Binghao Li** - Neoadjuvant therapy with CSF-1R inhibitor surufatinib plus doxorubicin and cisplatin (AP) versus AP with or without high-dose methotrexate in patients with resectable high-grade osteosarcoma: a multicenter, non-randomized, controlled trial
- 4.04pm **Jichuan Wang** - Effects of receptor-biased cytokine IL-2 on the fate and differentiation status of tumor-infiltrating lymphocytes in osteosarcoma
- 4.07pm **Ahmet Salduz** - The investigation of the cytotoxic genotoxic and apoptotic effect of bee venom on osteosarcoma cell line
- 4.10pm **Yunus Abdul Bari** - The Correlation of Alkaline Phosphatase, Lactate Dehydrogenase, C-Reactive Protein, Erythrocyte Sedimentation Rate, and Apparent Diffusion Coefficient Values with Enneking Staging and Osteosarcoma Subtypes
- 4.13pm **Tiao Lin** - The role and mechanism of CD155 in regulating the Wnt signaling pathway in osteosarcoma via the SRC-mediated PI3K-AKT pathway
- 4.16pm **Chandhanarat Chandhanayingyong** - Transcriptomic Profiling of Extraskelatal Myxoid Chondrosarcoma: Unveiling EWSR1- and EWSR1+ Signatures for Clinical Insight and Precision Oncology
- 4.19pm **Gerhard Maale** - Eradication of Biofilm Using A-C generated Electro-magnetic Force and Antibiotic at MIC
- 4.22pm **Sermesak Sukpanichyingyong** - Enhancing infection prevention in curettage and cementation procedure: The role of antibiotics-loaded bone cement
- 4.25pm **Weifeng Liu** - Mid-long term results of survival and function for primary malignant pelvic bone tumors
- 4.28pm **Minxun Lu** - Three-dimensional design custom-made uncemented stem for revision of cemented distal femoral endoprosthesis due to aseptic loosening
- 4.31pm **Katrina Ysabel** - Naraval Percutaneous Doxycycline Ablation for Recurrent Aneurysmal Bone Cyst in the Sacroiliac Joint: A Case Report
- 4.34pm **Hirota Yonezawa** - Can a Liquid Nitrogen-treated Tumor-bearing Nerve Graft Regenerate the Nerves, Resulting in Tumor Recurrence? A Rat Study
- 4.37pm **Kevin Tetsworth** - Role of 3D Modelling in an Accurate Deformity Assessment and Correction
- 4.40pm **Man Lung Moses Li** - Determining the best option for bone tumor precision surgery: computer navigation, 3D printed patient specific guides or NAVIG?
- 4.43pm **Jiuhui Xu** - The mechanism of chordoma recruiting fibroblasts to secrete collagen I via MIF for the immune-excluded microenvironment
- 4.46pm **Dimitra Melissaridou** - Propranolol in the treatment of osteosarcoma: a biphasic activity in an in vivo experimental model
- 4.49pm **Nadine Williams** - Reconstruction of the tibia with bulk allograft using 3D Cutting jigs after resection of a parosteal osteosarcoma
- 4.52pm **Shendong Wong** - Effect of radiotherapy on local control and overall survival in spinal metastasis of non-small-cell lung cancer after surgery and systemic therapy
- 4.55pm **Sung Ju Kang** - Intramedullary Allobone Strut Grafts in Reconstructing Tumor Resections
- 4.58pm **Thanawat Tantimethanon** - A Biomechanics Cadaveric Study of 3D-Printed Endoprosthesis Prototype at the Middle Phalanx of the Hand
- 5.01pm **Bhim Shreemal** - Is marginal excision following pre operative radiotherapy in extremity myxoid liposarcoma acceptable
- 5.04pm Discussion
- 5.25pm Session Ends

# Lunchtime - Symposia

**Tuesday 8 October 2024**

1.45pm Novagenit Australia



**Wednesday 9 October 2024**

1.00pm Adler Orthopaedics



**Thursday 10 October 2024**

1.00pm Implantcast



**Friday 11 October 2024**

1.00pm Boehringer - Ingelheim



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