

**MONDAY 30<sup>TH</sup> OCTOBER**

*Afternoon sessions 1:30- 3:30pm*



**NZOA & AOA**  
COMBINED ANNUAL  
SCIENTIFIC MEETING  
30<sup>TH</sup> OCTOBER - 3<sup>RD</sup> NOVEMBER

**2022**

TE PAE | OTAUTAHU | CHRISTCHURCH  
Te Pae Maunga, Te Pae Whenua,  
Te Pae Tangata

*Together, Diversity, Sustainability*

## **Arthroplasty I**

Monday 1.30-3.30pm

*Main Auditorium*

**Moderators:** Amir Sandiford and Tony Lamberton

### **Infection**

1.30-1.35 A Multi-Disciplinary Approach for the Management of Prosthetic Joint Infections: An Australian Perspective

*Emma Jackman*

1.35-1.40 Australian Capital Territory Prosthetic Joint Infection Database – analysis of the first 100 patients

*Sarah Ellis*

1.40-1.45 Management of Periprosthetic Joint Infection Following Total Joint Arthroplasty: Experience From a Rural Centre

*Scott Bolam*

1.45-1.49 Discussion

1.52-1.57 The Effect of Surgeon Volume on Revision for Deep Periprosthetic Joint Infection: An analysis of 602 919 primary total knee arthroplasties

*Darren Vaotuu*

1.57-2.02 Success of DAIR vs Revision in Early and Late PJIs in Primary TKA: a Prospective Study of 251 Cases

*Mark Zhu*

2.02-2.07 Time Since Primary Total Knee Arthroplasty Predicts the Success of Debridement, Antibiotics and Implant Retention for Prosthetic Joint Infection: Results from a Prospective, Multicenter Study of 189 Cases

*Richard Rahardja*

2.07-2.12 Cost-effectiveness and Patient Satisfaction Outcomes of Single-Stage vs Two-Stage Revision Shoulder Arthroplasty

*Ashish Gupta*

2.12–2.16 Discussion

### **Patient Risk Factors**

2.20–2.25 The burden of end-stage osteoarthritis in Australia: A population-based study on the incidence of total knee replacement attributable to overweight/obesity *Minghao Zheng*

2.25–2.30 Weight Changes after Hip and Knee Arthroplasty, and the Effect of Obesity on Outcomes.

*Keran Sundaraj*

2.30–2.35 Ethnic differences in the utilisation and outcome of patients undergoing total hip and knee arthroplasty in New Zealand

*Mark Zhu*

2.35–2.40 Is Potential Malnutrition Associated with Increased Morbidity in Total Hip and Knee Joint Arthroplasty?

*William Caughey*

2.40–2.45 Discussion

### **Improving Outcomes**

2.50–2.55 Achieving Equitable Access to Elective Arthroplasty for Aboriginal and Torres Strait Islander Population in a regional NSW Health District – Comparison with National Data.

*Elisabeth Barrass*

2.55–3.00 Predictors of New-Onset, Long-Term Anticoagulant Use After Hip and Knee Arthroplasty

*Siddharth Rele*

3.00–3.05 Recommencing NOAC Therapy Within 24 hours of Total Knee and Hip Arthroplasty, and its Effects on Patient Outcomes and Complication Rates.

*Emma Jewell*

3.05–3.10 Testing in vein: Are routine blood tests required for uncomplicated arthroplasty?

*Georgina Kioa*

3.10–3.15 Discussion

## Knee Societies

Monday 31<sup>st</sup> October 1.30–3.30

*Conway 3&4*

1.30 Introduction

*Bruce Twaddle*



## Alignment Debate

**Moderator:** Andrew Vincent

1.35–1.43 Where alignment strategies began – from Install to the present

*Kelly Vince*

1.43–1.51 The evolution of my alignment technique for TKA

*Peter McEwen*

1.51–1.59 CPAK (Coronal Plane Alignment of the Knee) – Understanding Knee Phenotypes and Outcomes in 2022

*Sam MacDessi*

1.59–2.07 Mechanical Alignment Femur first Measured Resection – Most surgeons in the world use this technique for a reason

*Peter Devane*

2.07–2.15 Balancing and Alignment – What should we be aiming for?

*Simon Young*

2.15–2.23 Patient Specific Alignment Ligament Guided TKA

*Mark Clatworthy*

2.23–2.38 Discussion

## **John Sullivan Memorial Lecture**

2.40–2.45 Tribute to John Sullivan

2.45–3.05 Innovation & Evidence Based Medicine – 25 yrs experience in knee surgery

*Romain Seil*

3.05–3.18 The NZ ACL Joint Registry – Where we are and where we are going

*Hamish Love*

3.18–3.30 Considerations in the treatment of patellofemoral disorders

*Wayne Sebastianelli*

## **Foot and Ankle and General Orthopaedics**

1.30–3.30 Monday 31<sup>st</sup> October

*Conway 1&2*

**Moderators:** Brad Stone and Thin Hong

### **Ankle fractures**

1.30–1.35 External pneumatic intermittent compression (EPIC) for preoperative management of swelling for ankle fractures: A prospective randomised control trial.

*John Blundell*

1.35–1.40 Pre-Operative Ankle Swelling Does Not Affect Post-Operative Wound Complications Following Ankle Fracture Surgery

*Anthony Silva*

1.40–1.45 Impact of Weight-bearing on Ankle Fracture Outcomes in Older

*Mira Marinova*

1.45–1.50 Medium-to-Long Term Follow-up of The Unfixated Smaller Posterior Malleolar Fragment

*Leo Chong*



1.50-1.55 Macroscopic Osteochondral Injuries of the Talar Dome Associated with Pilon Fractures

*Gregory Barlow*

1.55-2.00 Discussion

### **Foot injuries**

2.02-2.07 Outpatient Percutaneous Ultrasound-Guided Flexor Tenotomy for Neuropathic Apical Toe Ulcers

*Amy Weber*

2.07-2.12 Comparison of tibiototalcalcaneal arthrodesis to Below knee amputation with PROMs and objective outcomes.

*Alexander Manobianco*

2.12-2.17 Functional Outcomes Following High and Low Energy Lisfranc Injuries: A Registry-Based Study

*Sathisvaran Kanavathy*

2.17-2.22 Ten Year Outcomes of Lisfranc Fixation Demonstrates That Columns Involvement Predicts Outcome

*Sathisvaran Kanavathy*

2.22-2.26 Discussion

### **Analgesia in Orthopaedics**

2.28-2.33 Opioid Prescribing After Discharge From Orthopaedic Surgery: An International Student- and Trainee-Led Collaboration

*Faseeh Zaidi*

2.33-2.38 Does Opioid Use Pre-surgery Predict Outcomes to 6 Months Following Primary Unilateral Knee or Hip Arthroplasty for Osteoarthritis? A Retrospective Study

*Furkan Genel*

2.38-2.43 Acceptability of Opioid Tapering: Perspectives from a Pre-arthroplasty Cohort Versus Chronic Pain Cohort (a Qualitative Study)

*Furkan Genel*

2.43-2.48 Analgesia bias in tibial shaft fractures: A comparison between Māori and non-Māori

*Ruth Tan*

2.48-2.52 Discussion

### **Orthopaedic Workload**

2.55-3.00 Co-Operation: Dual-Consultant Operating in Orthopaedics and Effect on Stress.

*Jessica Lynch-Larkin*

3.00-3.05 Orthopaedic Surgeons and Resource Allocation Decision Making

*Michelle Gunn*

3.05-3.10 Are Orthopaedic Surgeons Reading Radiology Reports? A Trans-Tasman Survey

*Paul Kruger*

3.10-3.15 Pressure in the Provinces: The Effect of Increasing Trauma on Elective Orthopaedic Surgery in New Zealand

*Lloyd Roffe*

3.15-3.30 Discussion

## **Monday Late Afternoon Sessions 4:00pm – 5:50pm**

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### **Hand Society**

Monday 31<sup>st</sup> October 4:00-5.30pm

*Conway 1&2*

**Moderators:** Tim Tasman-Jones

**4.00-4.15** Wrist Arthroplasty Review

*Adam Durrant*

**4.15-4.20 Discussion**

**4.20-4.35** PIP Joint Arthroplasty Review

*Tim Tasman-Jones*

**4.35-4.40 Discussion**

**Free papers:**



#### **4.40-4.45** “Rules Based Motion” Reanimation of the Carpus

*Michael Sandow*

#### **4.45-4.50** The ligamentous contribution to stability at the distal radioulnar joint.

*James Grant*

#### **4.50-4.55** Should all isolated radial fractures be assessed arthroscopically for concomitant scapholunate ligament injury?

*Binglong Lee*

#### **5.00-5.05 Discussion**

#### **5.05-5.10** Impact of COVID-19 restrictions on upper limb trauma in a tertiary trauma 2021 second wave

*Kerry Xue*

#### **5.10-5.15** Simple trapeziectomy versus trapeziectomy with flexor carpi radialis suspension: A 17 year follow up of a randomized blind trial

*Adrian Brennan*

#### **5.15-5.20** Efficacy and safety of different trapezium implants for trapeziometacarpal joint osteoarthritis. A systematic review and meta-analysis.

*Ishith Seth*

#### **5.20-5.25** Cost and outcome analysis of distal interphalangeal joint arthrodesis between K wires and headless compression screws.

*Katy Kim*

#### **5.25-5.35 Discussion**

## **Knee**

Monday 4.00-5.30pm

*Main Auditorium*

**Moderators:** Bruce Twaddle

## **ACL**

4.00-4.05 Lower Risk of Revision with Suspensory Tibial Fixation Versus Interference Tibial Fixation of Hamstring Tendon Autografts in Anterior Cruciate Ligament Reconstruction

*Richard Rahardja*



4.05–4.10 Contralateral ACL rupture is More Common than ACL Graft Rupture in Australian Netballers after ACL Reconstruction

*Conor Honeywill*

4.15–4.20 Higher Return to Sport with Patellar Tendon Autograft Versus Hamstring Tendon Autograft Following Anterior Cruciate Ligament Reconstruction

*Richard Rahardja*

4.20–4.25 Discussion

4.30–4.35 10 years of combined ACL reconstruction and unicompartmental replacement

*Dulia Daly*

4.40–4.45 A Systematic Review and Meta-analysis of Patient Recorded Outcome Measures in Anterior Cruciate Ligament Reconstruction – how good is good enough?

*Sacha Reason*

4.45–4.50 How Does Anterior Cruciate Ligament Injury and Reconstruction Affect Functional Knee Extension? A Systematic Review and Meta-Analysis

*Christopher Erian*

4.55–5.00 Discussion

5.05–5.10 The influence of patellofemoral stabilisation surgery on joint congruity: an MRI surface mapping study

*Yassin Elsiwy*

5.15–5.20 Combined Acute Quadriceps Tendon Medial Patellofemoral Ligament (MPFL) Reconstruction with Fragment Fixation achieves Good Outcomes for Patients with Chondral Defects Secondary to Patella Dislocation

*Michael Grant*

5.20–5.25 Patient Reported Outcomes And Revision Rates After Primary Anterior Cruciate Ligament Reconstruction Without Concomitant Knee Injury: A Comparison Of Quadriceps, Hamstring, And Bone-Patella-Tendon-Bone Autografts With Minimum 2 Year Follow-Up

*Yushy Zhou*

5.25–5.30 Discussion



## Arthroplasty 2

Monday 4:00–5.30pm

*Conway 3&4*



**Moderators:** Tim Wilton and Rami Soral

### Alignment

4.00–4.05 Pre-resection balancing of virtual bone models provides accurate assessment of final balance that will be achieved in total knee arthroplasty

*Jonathan Manara*

4.05–4.10 Constitutional lower-limb alignment in total knee arthroplasty patients: what is normal? A CT-based analysis

*Simon Young*

4.10–4.15 Inverse Kinematic Alignment Better Restores the Native Joint Line while Achieving Similar Laxity to Gap Balancing TKA

*Simon Coffey*

4.15–4.20 Novel Methodology for Measuring the Medial Proximal Tibial Angle in Total Knee Arthroplasties

*Ishaan Jagota*

4.20–4.25 Functional References for Tibial Axial Rotation in TKA

*Ishaan Jagota*

4.25–4.30 Discussion

4.32–4.37 Preoperative Medial Laxity in Midflexion and Flexion Correlates with Poorer KOOS-12 Function Scores Prior to TKA

*Josh Petterwood*

4.37–4.42 What imaging is required to plan TKA? A comparison between EOS and CT scan to assess coronal alignment.

*Keran Sundaraj*

4.42–4.47 Functional alignment results in more natural kinematic pattern than mechanical axis alignment in total knee arthroplasty – a randomised controlled trial

*Jonathan Manara*

4.47-4.52 Lower Limb Alignment Evaluation. Are we getting this wrong? We walk on our heel not our ankle

*Mark Clatworthy*

4.52-4.57 Measured resection mechanically and kinematically aligned TKA's often result in an imbalanced knee

*Mark Clatworthy*

4.57-5.02 Discussion

5.05-5.10 Functional alignment in total knee arthroplasty. The effect of individual native knee anatomy on alignment and 2 year outcomes

*Jonathan Manara*

5.10-5.15 Variation in Pre-operative Knee Balance as a Function of Hip-Knee-Ankle Angle and Joint Line Obliquity in Total Knee Arthroplasty

*Joshua Brooks*

5.15-5.20 Long Leg Radiographs vs CT Perth protocol: Mechanical alignment analysis

*Emma Jackman*

5.20-5.25 An Analysis of Bilateral Symmetry of the Knee Using Computed Tomography Scans

*Jonathon Negus*

5.25-5.30 Discussion

*Welcome Function in the Main Exhibition Hall from 5:30pm – 7:00pm*

## **TUESDAY 1<sup>st</sup> NOVEMBER**

*Morning Sessions: 8am – 10am*

### **Hip & Arthroplasty Society**

*Main Auditorium*

**0800 – 0810: Welcome**

*Bill Walter (ASA President) and Matthew Boyle (NZ Hip Society President)*

**Section One: Debates – Moderator: Nicholas Lash**



**0810 – 0830:** Navigation and robotics in hip arthroplasty – terrific or terrible?

*Bill Walter (terrific) vs. Gary Hooper (terrible)*

**0830 – 0850:** Hip resurfacing – should we be doing them?

*Peter Devane (NO) vs. (Zoom) Michael Solomon (YES)*

**0850 – 0910:** Dual mobility total hip arthroplasty – should everybody get one?

*Thorsten Gherke (YES) vs. Jacob Munro (NO)*

**0910 – 0920:** Questions/discussion

**Section Two: ICL Lectures & Cases – Moderator:** Jacob Munro

**0920 – 0930:** ICL 1 – Functional planning in total hip arthroplasty: predicting dislocation risk and optimising cup placement – *Bill Walter*

**0930 – 0940:** ICL 2 – Current concepts in periacetabular osteotomy for arthroplasty surgeons – *Matthew Boyle*

**0940 – 1000:** Panel case discussion – Challenging Cases – *Peter Misur*

## Spine and General

Tuesday 1<sup>st</sup> November 8–10am

*Conway 1&2*

**Moderators:** Rob Dunn and Tom Inglis

### Predicting outcomes in Spinal Surgery

8.00–8.05 The SORG nomogram does not accurately predict survival for patients with Spinal Metastatic Disease in New Zealand

*Patrick Bekhit*

8.05–8.10 Sarcopenia as a Predictor of Mortality in Patients with Metastatic Tumours in the Spinal Column

*Patrick Bekhit*



8.10–8.15 Development of a prediction model (NZSpine) for significant adverse outcome after spine surgery

*Martin Coia Jadresic*

8.20–8.24 Discussion

### **Spinal fusion**

8.25–8.30 Going low: low modulus graft-free 3D printed titanium interbody cages show comparable bone formation to Peek with graft

*Tim Woodfield*

8.30–8.35 Biomechanical properties of growing rods used in the management of early onset scoliosis (EOS) – A robotic testing analysis

*Graham Irvin*

8.35–8.40 Risk Factors for Distal Construct Failure in Posterior Spinal Instrumented Spinal Fusion for Adolescent Idiopathic Scoliosis

*Cheuk Bun (Brian) Tse*

8.40–8.45 Radiographic Spine Adipose Index a Risk Factor for Deep Infection after Posterior Instrumented Lumbar Fusion

*Vik Gupta*

8.45–8.49 Discussion

### **Spine Miscellaneous**

8.50–8.55 Ethnic Variation in Cervical Spine Canal Morphology in a New Zealand Cohort

*Daniel Goddard-Hodge*

9.00–9.05 Mobile data security – Instant messaging in Orthopaedics

*Anna McDonald*

9.10–9.14 Discussion

### **Radiology in Orthopaedics**

9.17–9.22 The "Good Doctor" Performance of Radiographic Annotation – Measuring Pelvic Tilt as an Example

*Yuan Chai*

9.22-9.27 The Reproducibility of Coronal Plane Knee Alignment Measurements on Long Leg Standing Radiographs and Comparison to Non-Weight Bearing Mako CT *Sofia Marasco*

9.27-9.32 Choosing Wisely: the lack of validity of ultrasound scans in the investigation of shoulder instability  
*Khalid Mohammed*

9.37-9.40 Discussion

### **Orthopaedic Training**

9.43-9.48 Distress and Career Regret in Australian Orthopaedic Surgical Trainees: A National Survey  
*Carrie Kollias*

9.48-9.53 Gender Specific Barriers to Professional Development in Orthopaedic Surgical Training: a qualitative study  
*Erynne Scherf*

9.53-9.58 New Zealand Orthopaedic Trainees Experience Gender Disparity with regards to Operative Autonomy  
*Georgina Chan*

9.58-10.05 Discussion

### **Shoulder & Elbow**

Tuesday 1<sup>st</sup> November 8.00-10.00am

*Conway 3&4*

#### **Moderators:**

Daniel Guy and Khalid Mohammed

#### **Shoulder fractures**

8.00-8.05 Trends in the surgical management of proximal humerus fracture over the last 20 years

*Joshua Xu*



8.05–8.10 The translated proximal humerus fracture: a comparison of operative and non-operative management

*Filip Cosic*

8.10–8.15 Proximal humerus fracture dislocations: outcomes of management

*Filip Cosic*

8.15–8.20 Prospective case series on a novel technique for combined repair and reconstruction in acute and chronic acromioclavicular joint dislocations.

*Freek Hollman*

8.20–8.25 Biomechanical analysis of plating techniques for unstable lateral clavicle fractures with coracoclavicular ligament disruption (Neer Type-IIb)

*Olivia Jo*

8.25–8.30 Discussion

### **Soft tissue repair**

8.32–8.37 A randomised controlled study of autologous tenocyte injection (ATI) vs corticosteroid injection for interstitial rotator cuff tear and impingement syndrome

*Jeff Hughes*

8.37–8.42 Improving post-operative pain control in arthroscopic rotator cuff repairs: A prospective, double-blinded, randomised control trial comparing interscalene catheters and single shot blocks. Preliminary Results.

*Sam Shales*

8.42–8.47 A bioactive collagen scaffold supporting tenocyte growth for augmentation of rotator cuff repairs

*Minghao Zheng*

8.47–8.52 Electrosurgery and Electrocautery- it is all about delivering heat to the right place.

*Michael Sandow*

8.52–8.57 Biomechanical Comparison of Distal Biceps Tendon Repair Techniques – Extracortical Single-Button Versus Intracortical Double-Button Anatomical Footprint Repair Technique

*Olivia Jo*

8.57-9.02 Discussion

## **Arthroplasty**

9.04-9.09 'QuickDASH' to find Unique Genes and Biological Processes Associated with Shoulder Osteoarthritis

*Sam Lynskey*

9.14-9.19 Defining clinically important improvement for the Oxford Shoulder Score: Data from the Australian Orthopaedic Association National Joint Replacement Registry Patient-Reported Outcomes Measures Program

*Richard Page*

9.19-9.24 Patient reported outcomes and range of motion with and without subscapularis repair in reverse total shoulder arthroplasty: a retrospective review.

*Scott Le Rossignol*

9.24-9.28 Discussion

9.30-9.35 The utility of 3D printing for pre-operative creation of patient-specific implants for shoulder arthrodesis

*Justin Sun*

9.35-9.40 Dynamic 3D Animation Optimising Glenosphere Configuration in Reverse Shoulder Arthroplasty

*Vik Gupta*

9.40-9.45 Image-Derived Instrumentation versus conventional instrumentation with 3D planning for glenoid component placement in reverse total shoulder replacements: a randomised controlled trial

*Scott Le Rossignol*

9.45-9.50 Reverse Shoulder Arthroplasty With Metallic Augments To Preserve Bone And Restore Joint Line In Patients With Glenoid Bone Loss

*Yushy Zhou*

9.50-9.55 Clinical and radiographic outcomes following glenoid bone grafting in primary reverse total shoulder arthroplasty – a case series

*Owain Critchley*

9.55-10.00 Discussion

## APOA

Tuesday 1 November 2022

8.00am - 10.00am

*Conway 5*

The topic for the APOA session is: New paradigm in orthopaedics post COVID - APOA EXPERIENCE.

8.00am Welcome *Sue Liew*

Distal ulnar replacement for failed SK procedure *Margaret Fok*,

8.10am Asia Pacific Visiting Professor

8.30am New paradigm in orthopaedics post COVID - APOA EXPERIENCE.

Panel **India** *Ramesh Sen*

**Indonesia** *Edi Mustamsir*

**Korea** *Hong Geun Jung*

**Malaysia** *Sharifah Roohi Syed Waseem Ahmad*

**Philippines** *Frederic Joseph F. Diyco*

**Thailand**

*Margaret Fok*

*Sue Liew*

APOA

9.30am AGM

10.00am Finish

## EQUITY & OUTCOMES PLENARY 10:30AM – 12:30PM

Main Auditorium

## TUESDAY AFTER LUNCH SESSIONS

**1:30PM – 3:30PM**

### Arthroplasty 3

*Main Auditorium*

**Moderators:** Peter Devane and Richard Peterson

**Hip – factors influencing outcomes**





1.30-1.35 Patterns and Predictors of Outpatient Antibiotic Dispensation Following Total Hip and Knee Arthroplasty

*Yassin Elsiwy*

1.35-1.40 The degree of gluteal tendinopathy correlates with worsening PROMS in total hip arthroplasty: A Prospective study of 797 patients

*Keran Sundaraj*

1.40-1.45 The Pericapsular Nerve Group (PENG) Block Combined with Local Infiltration Analgesia (LIA) Provides Superior Short-Term Analgesia Compared to Non-Invasive Sham and LIA in Hip Arthroplasty Surgery: A Multi-Centre Double-Blinded Randomized Controlled Trial

*Emma Jackman*

1.45-1.50 Increased risk of undergoing hip replacement at a younger age in obese Australians

*Anthony Truong*

1.50-1.55 Failure to Meet Expectations of Sport or Recreation Following Total Hip Arthroplasty is Associated with Younger Age, High BMI, and Poor General Health

*April Rose Matt*

1.55-2.00 Discussion

### **Hip outcomes**

2.02-2.07 Evaluation of proximal femoral bone mineral density in cementless THA: A three arm Randomised Controlled Trial

*Gary Hooper*

2.07-2.12 CEMENTED THJR WITH THE EXETER CONTEMPORARY FLANGED CUP IN PRIMARY TOTAL HIP ARTHROPLASTY - minimum 10-year follow-up of fully cemented total hip joint replacement with conventional polyethylene, a single surgeon series of 320 cases

*Tony Lamberton*

2.17-2.22 Comparing modern uncemented, hybrid and cemented implant combinations in older patients undergoing primary total hip arthroplasty, a New Zealand Joint Registry study

*Alex Boyle*

2.22-2.27 Comparison of Rates of Aseptic Loosening in High Offset vs. Standard Offset Cementless Femoral Stems : An Australian National Joint Registry Cohort Analysis

*Arnout Faveere*

2.27-2.32 The Effect of Stem Size on Late Revision of the Exeter Femoral Hip Stem

*Emma Jackman*

2.32-2.37 Discussion

2.40-2.45 Smartphone-Based Step-Count Measures Correlate with HOOS12-Function and UCLA Activity PROMs During Early THA Recovery

*Josh Petterwood*

2.45-2.50 Early PROMs following total hip arthroplasty with and without computer navigation system: A Study from the Australian National Joint Replacement Registry

*Ernest Lourens*

2.50-2.55 Five Year RSA Results Assessing Subsidence and Rotational Stability of the Paragon Hip System

*Rami Sorial*

2.55-3.00 Reduction of metal ion release in cemented hip stems by a ZrN-multilayer coating

*Thomas M. Grupp*

3.00-3.05 Polyimide, favourable long term clinical results in THR

*James Burn*

3.05-3.10 Discussion

3.12-3.17 10-year follow-up analysis of a large series of the latest generation of DM cups

*Remi Philippot*

3.17-3.22 Dual Mobility Cups cemented into cage in complex revision total hip arthroplasty provide a low revision rate at more than 10 years

*Remi Philippot*

3.22-3.30 Discussion

## Shoulder & Elbow Societies

Tuesday 1<sup>st</sup> November 1.30–3.30pm

*Conway 3&4*



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1.30–1.35 Welcome Alex Malone

### Instructional Course Lectures

1.35–1.50 Radiological features of chronicity and acuity in rotator cuff tears

*Khalid Mohammed*

1.50–2.05 Proximal humeral fractures – my 25 year experience

*Thin Hong*

2.05–2.20 Acromioclavicular joint injury

*Alex Malone*

2.20–2.30 Discussion

### Shoulder and Elbow Free Papers

**Moderators:** Alex Malone

#### Soft tissue injuries

2.30–2.35 Acromial Morphology is a Risk Factor for Unidirectional Posterior Shoulder Instability

*Patrick Bekhit*

2.35–2.40 Anatomic factors associated with partial distal biceps tendon tears: a comparative control study

*Alex Boyle*

2.40–2.45 Predictors of Return to Work Following Arthroscopic Rotator Cuff Repair – An Analysis of 1502 Cases

*Ryan Ting*

2.45–2.50 Ethnicity, Sex, and Socio-Economic Disparities in the Treatment of Traumatic Rotator Cuff Injuries in Aotearoa/New Zealand

*Scott Bolam*

2.50-2.55 Clinical and Radiological Outcomes of All Arthroscopic Muscle Advancement Procedure for Massive Retracted Posterosuperior Cuff Tears  
Ashish Gupta

2.55-3.00 Discussion

## **Arthroplasty**

3.02-3.07 Does healthcare setting influence outcomes following Shoulder Arthroplasty?

*Nicholas Paltoglou*

3.07-3.12 Total Shoulder Replacement Stems in Osteoarthritis – short, long or reverse? An analysis of the impact of cross-linked polyethylene.

*Michael Sandow*

3.12-3.17 Short term results of stemless reverse total shoulder replacements with three-dimensional planning and image derived instrumentation: a retrospective matched case control study

*Scott Le Rossignol*

3.17-3.22 The relationship between obesity and the incidence of primary shoulder replacement: An AOANJRR study.

*Samuel Morgan*

3.22-3.27 Porous Metal Wedge Augments to address Glenoid Retroversion in Primary Anatomical Total Shoulder Arthroplasty – an update.

*Michael Sandow*

3.27-3.32 Discussion

## **Spine society**

Tuesday 1.30-3.30

*Conway 1&2*

**Moderator:** Andrew Oakley

1.30-1.35 Introduction

1.35-1.55 An approach to assessment and differential of a spinal lesion

*Rob Dunn*



1.55-2.15 Assessment and Mx principles of metastatic spine lesions

*Kris Dalzell*

2.15-2.20 Discussion

2.20-2.40 Interventional Radiology, percutaneous treatment options for spinal tumours

*Mark Coates*

2.40-2.45 Discussion

2.45- 3.15 To be confirmed, input from Australian Spine Society. Dr Matt Scott-Young to confirm.

3.15-3.30 Radiculopathy Mimmics.

*Rob Dunn*

## TUESDAY LATE AFTERNOON SESSIONS

**4:00PM – 5:30PM**

### Foot & Ankle societies

4-5.30pm Tuesday 1<sup>st</sup> November

**Conway 3&4**

**Moderator:** Rhett Mason

4.00-4.15 Principles of Foot Trauma

*Thin Hong*

4.15-4.30 Ankle Trauma Cases

*Thin Hong plus Panel*

4.30-5.00 Total Ankle Arthroplasty. Evolution and Current Australian Practice

*Andrew Wines*

Total Ankle Arthroplasty. The Australian Registry

*Peter Stavrou*

5.15-5.30 Total Ankle Arthroplasty. The New Zealand Joint Registry

*Matt Debenham*



## General Orthopaedics

Tuesday 4.00–5.00 pm

*Conway 5*



**Moderators:** Andrew Powell and Denis Atkinson

### General Orthopaedics

4.00–4.05 Determination of preoperative risk factors for iliopsoas tendonitis

*Max Hardwick-Morris*

4.05–4.10 Articular wear patterns observed in hip arthroscopic patients across early disease states. A retrospective cohort study

*Christopher Erian*

4.10–4.15 A Randomized Controlled Trial Assessing Traditional Versus Dynamic Rehabilitation Regimes Following Surgical Repair of a Proximal Hamstring Tendon Avulsion

*Michael Grant*

4.15–4.20 A patient/client satisfaction questionnaire for an independent medical examination: a pilot study.

*Bruce McPhee*

4.20–4.24 Discussion

4.30–4.35 Geriatric Ankle Trauma: Experiences of the Acute Hindfoot Nail Dean Ramage

4.35–4.40 Fractures, Dislocations and Tendon Ruptures in Female versus Male Australian Footballers: a Prospective Study of Emergency Department Presentations      Stephen Gill

4.40–4.45 Laboratory Analysis of Insertional Damage in Proximal Femoral Nails

*Anton Philip Lambers*

4.50–4.54 Discussion

4.55–5.00 No more surgery for PVNS? (Tenosynovial Giant Cell tumour)

*Richard Boyle*

5.00–5.02 Discussion

## Arthroplasty 4

Tuesday 4:00–5.30pm

*Main Auditorium*



**Moderators:** Matthew Boyle and Nick Lash

### **Knee**

4.00–4.05 Post-operative use of Game Ready™ cryocompression system following total knee arthroplasty – a prospective randomised controlled trial

*Mira Marinova*

4.05–4.10 Smartphone-Based Step-Count Measures Correlate with KOOS-12 Function and UCLA Activity PROMs During Early TKA Recovery

*Simon Coffey*

4.10–4.15 ‘Overall Pain’, ‘Pain when Working’ and ‘Knee Giving Way’ Were the Best Oxford Knee Score Predictors of Subsequent Revision Within Two Years

*Mei Lin Tay*

4.15–4.20 Novel Patellofemoral Ligament Modelling to Detect Anterior Knee Pain After TKA

*Ishaan Jagota*

4.20–4.25 Cooled Radiofrequency Nerve Ablation for Post-operative Total Knee Arthroplasty Pain Management

*Keran Sundaraj*

4.25–4.30 Discussion

4.32–4.37 Remote Evaluation of Post-Operative Outcomes Using Wearable Sensors Comparing Robotic-Assisted and Conventional Knee Arthroplasty

*Faseeh Zaidi*

4.37–4.42 Risk Factors for Manipulation Under Anesthesia Following Total Knee Arthroplasty and the Importance of Timing

*Richard Rahardja*

4.42–4.47 Developing And Evaluating The Smart Choice (Knee) Tool: A Patient-Focused Tool To Predict Health-Related Quality Of Life Outcomes After Total Knee Arthroplasty

*Yushy Zhou*

4.47-4.52 Do Personality Traits influence Patient Satisfaction after Total Knee Arthroplasty?

*Alexander Giurea*

4.52-4.57 Gender bias in the provision of TKR: an analysis of the AOANJRR

*Jessamy Ward*

4.57- 5.02 Discussion

5.05-5.10 Accurate wear determination in clinical radiographs after total knee arthroplasty using 2D-3D registration and artificial intelligence - In vivo validation

*Thomas M. Grupp*

5.10-5.15 Calculating and Comparing Minimal Clinically Important Differences for the SF12 in Total Knee Arthroplasty: An Australian Cohort Study

*Yushy Zhou*

5.15-5.20 Radiolucent line assessment In cemented Stemmed total Knee (RISK) arthroplasty: validation of a modernised classification system

*Yassin Elsiwy*

5.20-5.25 The effect of surgeon volume and risk of revision following total knee replacements with and without patellar resurfacing: A study from the Australian Orthopaedic Association National Joint Replacement Registry

*Ernest Christian Lourens*

5.25-5.30 Discussion

## Outreach

Tuesday 4:00pm-5:30pm

*Conway 1&2*



**Moderator:** Vaughan Poutawera

4.00-4.10 *Graham Hextell* - Australian Orthopaedic Outreach

4.10-4.20 *John Van Dalen* - Orthopaedic Outreach in Tonga

4.20-4.30 *Koen DeRidder* - Ponseti in the Pacific

4.30-4.40 *Thomas Kiele* (Pacific Ambassador) - Prophylactic Surgical

Antibiotics in PNG

4.40-4.50 *Dave Bartle* - Teaching Orthopaedic Spine in the Pacific

4.50-5.00 *Stephen Kodovaru* - Pacific Island Orthopaedic Association update

5.00-5.10 *Kiki Maoate* - Pacific Medical Association update



5.10-5.20 VP – Orthopacifix update  
5.20-5.30 Round up discussion

## WEDNESDAY 2<sup>nd</sup> NOVEMBER

### Paediatric Societies

Wednesday 2 November

#### Conway 1&2

0800 – 0810 **Welcome**

*Ivan Astori (APOS President) and Haemish Crawford (POSNZ President)*

**Debate Moderators:** Sam Lakis and Deborah Eastwood

0810 – 0830 **Measuring head pressures in SUFE**

*Matt Boyle (against) vs Oliver Birke (for)*

0830-0850 **Non fusion vs fusion for neuromuscular scoliosis**

*Haemish Crawford (fusion) vs Michael Johnson (non-fusion)*

**ICL lectures** Moderators: Kishore Mulpari and Gary Nattrass

0850 – 0900 **Total hip replacement in adolescents**

*Michael Solomon*

0900 – 0910 Panel case discussion –

*Ian Galley (cases)*

0910 -0920 **ACL reconstruction in skeletally immature**

*Ivan Astori*

0920-0930 Panel case discussion –

*Matt Boyle (cases)*

0930 – 0940 **Patellofemoral instability in skeletally immature**

*Tim Gregg*

0940-0950 Panel case discussion.

*Sheana Maine (cases)*



**NZOA & AOA**  
COMBINED ANNUAL  
SCIENTIFIC MEETING  
30<sup>th</sup> OCTOBER - 3<sup>rd</sup> NOVEMBER

**2022**

TE PAE | OTAUTAHI | CHRISTCHURCH  
Te Pae Māunga, Te Pae Whenua,  
Te Pae Tonga

*Together. Diverse. Sustainable*

## General Arthroplasty

Wednesday 8.00–10.00am

*Conway 3&4*



**Moderators:** Stephen Parkinson and Tim Chuang

8.00–8.15 Serious variability in outcomes between variants within the same Implant Brands-- Experience from the NJR

*Tim Wilton*

8.15–8.20 Discussion

## General Arthroplasty

8.20–8.25 Are the causes of iliopsoas-related groin pain in total hip arthroplasty and hip resurfacing arthroplasty similar? A case-controlled investigation using a validated simulation

*Max Hardwick-Morris*

8.25–8.30 Bikini anterior hip replacements in obese patients are not associated with an increased risk of complication

*Ikram Nizam*

8.30–8.35 Minimizing complications in bikini incision direct anterior approach total hip arthroplasty: A single surgeon series of 865 cases

*Ikram Nizam*

8.43–8.48 Automated Landmark Detection in Functional Lateral Radiographs Using Deep Learning

*Sam Holmes*

8.48–8.53 Carbon fibre reinforced PEEK as biomaterial in a rotating hinge knee design – biotribological testing in comparison to retrieval findings

*Thomas M Grupp*

8.53–8.58 Effects of Transport and Storage Conditions in a Tropical Climate on Cement Setting Times

*Angus Crombie*

8.58–9.02 Discussion

9.05–9.10 Successful day case Total Hip Replacement pathway using the posterior approach

*Adrian Brennan*

9.10–9.15 A new less invasive hip approach

*Peter Walker*

9.15–9.20 Discussion

9.20–9.25 Shoulder Arthroplasty in Anticoagulated Patients: A Cohort Study

*Harrison Faulkner*

9.25–9.30 A comparison of revision rates for stemmed and stemless primary anatomic shoulder arthroplasty with all polyethylene glenoid components. Analysis from the Australian orthopaedic Association National Joint Replacement Registry.

*David Gill*

9.30–9.33 Discussion

## **Knee and Trauma**

Wednesday 2<sup>nd</sup> November 8.00–10.00am

*Main Auditorium*

**Moderator:** Wayne Sebastianelli and Julian Ballance

### **ACL**

8.00–8.05 Stepping beyond counts, feasibility of passively collected qualitative gait metrics using a smart phone-based care management platform following total joint arthroplasty *Nick Marson*

8.05–8.10 Vancomycin Soaking Is Highly Cost-Effective in Primary ACLR Infection Prevention: A Cost-Effectiveness Study

*Anthony Truong*

8.10–8.15 Risk Factors for Reoperation for Arthrofibrosis Following Anterior Cruciate Ligament Reconstruction

*Richard Rahardja*



8.15–8.20 Patellar Tendon Autograft is Associated with Difficulty Kneeling but Does Not Result in a More Painful or Symptomatic Knee Compared to Hamstring Tendon Autograft after Anterior Cruciate Ligament Reconstruction

*Richard Rahardja*

8.20–8.25 Higher Risk of Medial Meniscal Repair Failure Following Concurrent Anterior Cruciate Ligament Reconstruction with A Hamstring Tendon Autograft

*Richard Rahardja*

8.25–8.30 Discussion

### **Basic science**

8.32–8.37 Be a softy – enhanced bone formation in optimised, low-stiffness titanium implants: an in vivo tibial osteotomy study.

*Tim Woodfield*

8.37–8.42 20 Year Survival of High Tibial Osteotomy

*Keran Sundaraj*

8.42–8.47 Osteoprotegerin/bone morphogenetic protein 2 combining with collagen sponges promotes tendon-bone healing in anterior cruciate ligament reconstruction in rabbits *Bing Wei*

8.47–8.52 3D Bioprinting of articular cartilage for in-vivo application

*Claudia Di Bella*

8.52–8.56 Discussion

### **ACL**

8.59–9.04 Outcomes of the first 570 patients seen through a novel Sports Injury Pathway at Fiona Stanley Hospital

*Naseer Mohammed Abdul*

9.14–9.19 Assessing Risk Parameters of ACL Injury via Human Pose Estimation

*Thomas Peterson*

9.19–9.23 Discussion

### **Infection**

9.25–9.30 Intra-wound antibiotic powder to reduce deep surgical site infections in lower limb and pelvic trauma

*Norine Ma*

9.30–9.35 Neutral Hypochlorous Acid Solution as an Orthopaedic Sterilisation Agent

*Jack Parker*

9.35–9.40 Prosthetic Joint Infection after Hip Hemiarthroplasty, a different beast.

*Daniel Lewis*

9.40–9.45 Our experience with Pec Major Flap for Sternoclavicular joint infections

*Bhavin Jadav*

9.45–10.00 Discussion

## Medico-legal workshop

Wednesday 2 November 2022 – 9 am – 10 am

*Conway 5*

**Moderator** Drew Dixon

9.00am – Drew Dixon

9.15am – Sue Liew

9.30am – Greg Keene

9.45am – Discussion



## DIVERSITY IN ORTHOPAEDICS PLENARY 10:30AM – 12:30PM

Main Auditorium

### Arthroplasty 5

Wednesday 1.30–3.30

*Main Auditorium*

**Moderators:** Kelly Vince & Tim Lynskey

**Unicompartment Knee**



1.30-1.35 Similar Survivorship for Uncemented Mobile-Bearing and Cemented Fixed-Bearing Medial Unicompartmental Knee Arthroplasty but Different Reasons for Revision

*Mei Lin Tay*

1.35-1.40 Fifteen-year survival and fifteen-year functional results of cementless Oxford unicompartmental knee replacement

*Jessica Mowbray*

1.40-1.45 Five and Ten Year Follow Up of Unicompartmental Knee Replacement in Obese Patients

*Reinhold Gregor*

1.45-1.50 Discussion

### **Knee Replacement Outcomes**

1.53-1.58 Cemented vs uncemented knee joint replacements; five year follow up comparing functional outcomes and revision rates

*Gary Hooper*

1.58-2.03 No Difference Between RP and FB in TKA after 2 years in multiple PROMs: A prospective, multi-centre, non-randomised study

*Naseer Mohammed Abdul*

2.03-2.08 Faster improvement in outcome scores in posterior stabilised total knee arthroplasty compared to medial congruent system with posterior cruciate ligament retained

*Wu Chean Lee*

2.08-2.13 Comparison of Revision 'Thresholds' Using Patient Reported Outcomes Following Total and Unicompartmental Knee Arthroplasty

*Mei Lin Tay*

2.13-2.18 Two Year Results of the KneeFix Study: An RCT comparing Cemented vs Uncemented TKR

*Michael Grant*

2.18-2.23 Discussion

## **Hip replacement Outcomes**

2.26-2.31 Long term outcomes of Birmingham Hip resurfacing: A Systematic Review of independent series with greater than 10 years follow-up.

*James Molloy*

2.31-2.46 What is the outcome of the 1st revision of primary THR performed for Osteoarthritis

*Richard de Steiger*

2.46-2.49 Discussion

## **Hip revision**

2.52-2.57 Trends in revision hip replacement surgery - a 21 year review of the New Zealand Joint Registry

*Gary Hooper*

2.57-3.02 Jumbo Dual Mobility cup provide low risk of dislocation in revision total hip arthroplasty

*Remi Philippot*

3.02-3.07 THE ANTERIOR FEMORAL CORTICAL WINDOW AS AN ALTERNATIVE TO EXTENDED TROCHANTERIC OSTEOTOMY IN REVISION HIP SURGERY; EVOLUTION OF SURGICAL TECHNIQUE AND OUTCOMES IN 22 CONSECUTIVE CASES

*Douglas Hancock*

3.07-3.12 Design, Construction, and Early Results of a Formal Local Revision Hip Arthroplasty Registry

*Emma jackman*

3.12-3.17 Outcomes of 35 Custom 3D printed titanium acetabular implants in revision arthroplasty

*Richard Boyle*

3.17-3.22 Classification system for 3D printed pelvic prostheses

*Richard Boyle*

3.22-3.30 Discussion

## Paediatric & Hip

Wednesday 1.30–3.30

*Conway 1&2*



**Moderators:** Nikki Hooper and Kishore Mulpuri

### Infection

1.30–1.35 Quality of life up to 2–13 years following Childhood Osteomyelitis

*Sarah Hunter*

1.35–1.40 Variables Predicting Acute or Chronic Complication in Childhood Osteomyelitis

*Sarah Hunter*

1.40–1.45 Bacteriology and antimicrobial susceptibility of osteo-articular infections at a regional paediatric unit in South Africa

*Anria Horn*

1.45–1.49 Discussion

### Fractures

1.53–1.58 The Development of a Low-cost, High-fidelity Paediatric Elbow Model for Simulation

*Joyce Guo*

1.58–2.03 Protocol for Examining Transfer Validity of a Supracondylar Humeral Fracture Pinning Augmented Reality Simulator

*Joyce Guo*

2.03–2.08 AVN Rates in Moderate to Severe Unstable Slipped Capital Femoral Epiphysis: Anterior Open Reduction vs the Modified Dunn Procedure

*Miranda Norquay*

2.08–2.12 Discussion

### Miscellaneous

2.15–2.20 Bracing complications in Congenital Talipes Equinovarus

*Carrie Kollias*

2.20–2.25 Tendoachilles lengthening improves baropodometric pressures 1 year after surgery for Idiopathic toe walkers

*John Mortimer*



2.25-2.30 Guided growth for pediatric fixed knee flexion deformities: Do the plates need to be that close to the patella?

*Mohamed Hassanein*

2.30-2.35 Shape Modeling of Muscles to Understand Progression of Paediatric Cerebral Palsy

*Geoffrey Handsfield*

2.35-2.40 Discussion

2.43-2.48 Does socioeconomic deprivation influence patient outcomes after periacetabular osteotomy?

*William Chen*

2.48-2.32 Does Patient Age Influence Functional Outcomes Two Years After Periacetabular Osteotomy?

*Young Eun Koo*

2.32-2.38 DIY 3D printing for acetabular fracture surgery workflow template

*Bhavin Jadav*

2.38-2.45 Discussion

## **Tumour Society**

Wednesday Nov 2<sup>nd</sup>

1:30pm – 3:30pm

*Conway 3&4*



**Moderator:** Richard Carey Smith

1.30-1.35 Clinical Practices Guidelines for Management of Sarcoma: Does surgery at specialised sarcoma centre improve outcomes?

*Abay Sundaram*

1.35-1.40 Outcomes of patients with soft-tissue sarcoma at Middlemore Hospital before and after introduction of the NZ Sarcoma Standards.

*Kendrick Rosser*

1.40-1.45 Advances in chest wall reconstruction

*Tin Greeff*

1.45-1.48 Discussion

1.50-1.55 Silver-coated megaprotheses in reconstruction for Orthopaedic Oncology and bone loss

*Abay Sundaram*

1.55-2.00 Silver-coated custom components for acetabular and hemipelvis reconstruction mitigate infection risk without compromising bone on growth

*Abay Sundaram*

2.00-2.05 Improving outcomes in proximal tibia replacements

*Anthony Maher*

2.05-2.10 Custom acetabular tri-flange and femoral osseointegration components for the treatment of symptomatic ipsilateral hip and knee arthropathy in a patient with proximal femoral focal deficiency: A novel solution to a challenging problem

*Abay Sundaram*

Management of metastatic disease Peter Fergusson.

2.10-2.14 Discussion on increasing collaboration and challenges within the orthopaedic oncology community of NZ and Aus

## THURSDAY 2<sup>ND</sup>

### Trauma Society

Thursday 8:00am-10:00am

*Conway 3&4*

Welcome *Gordon Beadel*

8.00- 8.30 Operative management of proximal humerus fractures. Plate vs nail vs arthroplasty.

**Moderator:** Gordon Beadel

*Panel: Thin Hong, Minoo Patel, Richard Lloyd*

8.30- 9.00 Operative management of intracapsular femoral neck fractures in the young patient.



**Moderator:** Tim Gregg

*Panel: Steve McChesney, Cam Cooke, Pierre Navarre*

9.00 – 9.30 Operative management of the osteoporotic distal femoral fracture in the elderly patient

**Moderator:** Jonny Sharr

*Panel: Chris Morrey, Andy Powell, Tim Chuang*

9.30 –10.00 Operative management of the complex osteoporotic ankle fracture in the elderly patient

**Moderator:** Gus Jennings

*Panel: Helen Rawlinson, May Mak, Andy Powell*

## **Registrar Prize Papers, ABC & Trans-Tasman Fellows Report**



Thursday 3<sup>rd</sup> November 8:00am–10:00am

*Conway 1&2*

**Moderators:** Haemish Crawford and Richard Keddell

8:00–8.15 Getting Published – what the journals want

*Fares Haddad*

8.15–8.20 Discussion

8.20–8.30 “An Aussie and a Kiwi walk into a cafe.....: ABC Tour Report 2022”

*Eugene Ek (Aust) and Joe Baker (NZ)*

8.30–8.36 Antibiotic hydrogel for single stage revision in orthopaedic infection: a preclinical study.

*Andrew Foster (2022 Bill Crawford award recipient)*

8.36–8.42 The efficacy of topical preparations in the reducing the incidence of Cutibacterium Acnes at the start and conclusion of total shoulder arthroplasty (TSA)

*Tristan Symonds (QLD State ASM (Clinical))*

8.42-8.48 Early results from the DOSTAR study: A double blinded, randomised controlled trial comparing dual or single hamstring tendon Anterior Cruciate Ligament reconstruction

*Adam Lawless (WA State ASM)*

8.48-8.54 Predictors of outcomes of proximal humerus fractures in children and adolescents: a systematic review

*Samuel Abbot (SA State ASM)*

8.54-9.00 Discussion

9.02-9.08 Radiological Classification of the Pelvis: A tool for Trauma Surgical Planning

*Sun Loong (Keegan) Lee (ACT State ASM)*

9.08-9.14 Accuracy of acetabular component alignment with surgical guidance systems during hip arthroplasty

*Joshua Xu (NSW State ASM)*

9.14-9.20 Effect of Perioperative Vitamin C on the Incidence of Complex Regional Pain Syndrome: A Systematic Review and Meta-Analysis

*Nimish Seth (VIC State ASM)*

9.20-9.26 A prospective, multi-centre randomised comparative study assessing a new morphometric designed stem for total hip arthroplasty - benchmarking against an established comparator

*Brooke Driessen (TAS State ASM)*

9.26-9.30 Discussion

9.32-9.38 Obesity Impairs Entesis Healing After Rotator Cuff Repair in a Rat Model

*Scott Bolam (NZ 2022)*

9.38-9.44 The role of errors when learning surgical skills in spinal surgery

*Wendy He (NZ 2022)*

9.44- 9.50 Paediatric multifocal musculoskeletal sepsis: a 15-year review of outcomes

*Anna McDonald (NZ 2021)*

9.50–9.56 AOA Trans–Tasman Fellow

Perception of Perioperative Risk for Arthroplasty Patients: A Poll of Australian Orthopaedic Surgeons

*Chris Wall*

9.56–10.00 Discussion

## **Arthroplasty 6**

Thursday 8.00am –10.00am

*Main Auditorium*



**Moderators:** Rod Maxwell and Georgina Chan

### **Knee revision**

8.00–8.05 The Lifetime Revision Risk of Knee Arthroplasty

*Mei Lin Tay*

8.05–8.10 Tibial Metaphyseal Cones Combined with Short Stems Perform as Well as Long Stems in Revision Total Knee Arthroplasty.

*Bruno Batinica*

8.10–8.15 NON-LINKED CONSTRAINED PROSTHESIS FOR COMPLEX PRIMARY TOTAL KNEE ARTHROPLASTY: DEFORMITY, ALIGNMENT, CONSTRAINT AND STABILITY

*Marla Ross*

8.15–8.20 Application of Bone Cement Directly to the Implant in Primary Knee Arthroplasty. Radiological and clinical follow-up of two different cementing techniques

*Lukas Holzer*

8.20–8.25 Discussion

8.27–8.32 Targeting End-of-Stem Pain in Revision Knee Arthroplasty – Surface strains on human femora under dynamic load

*Thomas M Grupp*

8.32–8.37 Evaluation of the Patient's Knee Implant Performance (PKIP) Score in Revision Knee Arthroplasty

*Piers Yates*

8.37-8.42 Long Term Results of a New Rotating Hinge Knee Implant: A min. 7 years Follow-Up

*Alexander Giurea*

8.42-8.45 Discussion

### **Hip Robotics**

8.47-8.52 Do Total Hip Replacements performed with Robotic Assistance have better PROM scores at six months post surgery when compared with Total Hip Replacements performed with conventional instrumentation?

*Charles Tuffley*

8.52-8.57 Early revision rates of total hip arthroplasty using Intellijoint HIP® computer navigation system: A Study from the Australian National Joint Replacement Registry of 1911 procedures

*Ernest Christian Lourens*

8.57-9.02 Software analysis of fluoroscopy in Total Hip Arthroplasty

*Francis Connon*

9.02-9.07 Validation of a Novel, Automated 2D/3D Registration Software for Acetabular Component Alignment from Fluoroscopy Imaging

*Jevan Arulampalam*

9.07-9.12 Contact area and location of a cementless femoral stem, as assessed from CT images

*Thor Besier*

9.12-9.17 Discussion

### **Knee Robotics**

9.19-9.24 Velys Robotic Assisted Solution (VRAS) vs Brainlab 3 TKA - early outcome data study

*Mark Clatworthy*

9.24-9.29 The Use of MRI in Pre-operative Planning for medial Unicompartmental Knee Replacement

*Tyler Campbell*

9.29-9.34 Robotic-Arm Assisted Unicompartmental Knee Arthroplasty has a Learning Curve of 11 Cases and Increased Operative Time

*Mei Lin Tay*

9.34–9.39 A case matched series demonstrating equivalent two year clinical outcomes for robotic–assisted UKA vs functionally aligned robotic–assisted TKA

*Jonathan Manara*

9.39–9.44 Earlier gains in active range of motion following robotic–assisted total knee arthroplasty compared to conventional instrumentation

*Nick Marson*

9.44–9.49 Introduction of ROSA robotic–arm system for total knee arthroplasty is associated with a minimal learning curve for operative time

*Scott Bolam*

9.49–10.00 Discussion

## **CELEBRATING THE COMING OF AGE OF OUR ARTHROPLASTY REGISTRIES – A BELATED 21<sup>ST</sup> PARTY**

Main Auditorium

### **Thursday afternoon sessions**

#### **Trauma**

Thursday 1.30–3.30pm

*Conway 3&4*

**Moderators:** Mark Wright and Gordon Beadel

#### **Hip Fracture**

1.30–1.35 The changing face of femoral fragility fractures: Incidence, fracture patterns and management

*Alexandria Gibson*

1.35–1.40 Early Results of the Femoral Neck System in Fixation of Femoral Neck Fractures

*Wu Chean Lee*



1.40-1.45 HIP ULTRASOUND GUIDED HAEMATOMA (HUSH) BLOCK FOR INTRACAPSULAR NECK OF FEMUR FRACTURES OUTPERFORMS FASCIA-ILIACA BLOCK

*Rajul Patel*

1.45-1.50 A comparison of PFNA vs InterTan cephalomedullary nails for unstable proximal femur fractures

*Kenan Burrows*

1.50-1.55 Retrospective comparative review of time to surgery for elderly hip fractures presenting as direct admissions versus transfer from peripheral hospitals

*Sachit Jhingran*

1.55-2.00 Discussion

### **Femoral fracture**

2.02-2.07 HIP FRACTURES IN THE OLDER ADULT: ORTHOPAEDIC AND GERIATRIC SHARED CARE MODEL IN SOUTHLAND. A Five Year Follow-Up Audit

*Christina Vanderboor*

2.07-2.12 Early administration of bisphosphonates following hip fracture does not delay fracture healing

*Yui Yee Felice Tong*

2.12-2.17 Distal Femur Fracture Medial Supplementary Plating: A surgical technique with clinical outcomes

*Hai Sherng Lee*

2.17-2.22 Femoral shaft-nail radius of curvature discrepancy: Preoperative analysis of femoral shaft anterior radius of curvature using imaging and its association with anterior cortical impingement during fixation of femoral pathology

*Thomas O'Donnell*

2.22-2.27 2 Hole Dynamic hip screw (DHS) fixation of Garden I and II neck of femur fractures – Radiological outcomes and predictive factors of avascular necrosis.

*Abdul Azeem Badurudeen*

2.27-2.32 Discussion



## Upper limb

2.35-2.40 Tendon Injuries after Distal Radius Fractures

*Ryan Faruque*

2.40-2.45 Automatic Classification of Distal Radius Fractures using Deep Learning

*Jordy White*

2.45-2.50 Reconstruction of upper-extremity peripheral nerve injuries using an epineurial-like collagen device Remplir - a prospective clinical study.

*Alex O'Beirne*

2.50-2.53 Discussion

## Lower limb

2.55-3.00 Suprapatellar versus Infrapatellar Approach for Intramedullary Nailing of the Tibia: A Randomised Control Trial.

*Michael Erian*

3.00-3.05 Tibial Plateau Fracture Characteristics: Reliability and Diagnostic Accuracy of 3D-Printed Models

*Nynke van der Gaast*

3.05-3.10 Surface Area of Talar Dome Injuries Associated with Tibial Pilon Fractures

*Nicholas Green*

3.10-3.15 Discussion

## General Orthopaedics

Thursday 1:30pm-3:15pm

*Conway 1&2*

**Moderators:** Josh Kempthorne and Paul Phillips

## General

1.30-1.35 Deltoid Takedown - a novel approach to complex glenoid fossa fractures



*Natalie Hong*

1.35-1.40 Poor Compliance Documenting Informed Consent in Trauma Patients with Distal Radius Fractures Compared to Elective Total Knee Arthroplasty

*Scott Bolam*

1.40-1.45 Use of a modified Clavien-Dindo classification system for Orthopaedic Complications in a level 1 trauma centre

*Adrian Talia*

1.45-1.50 Can the Results of a Randomized Controlled Trial change the Treatment Preferences of Orthopaedic Surgeons?

*Keith Landale*

1.50-1.54 Discussion

### **Basic science**

1.55-2.00 Analyses of biopsied tissues in autologous tenocyte therapy for treatment of tendinopathy

*Maurizio Damiani*

2.00-2.05 Stability of 3-dimensional printed poly $\epsilon$ -caprolactone collagen scaffolds in a porcine cadaveric model: A pilot study

*Sean Flynn*

2.05-2.10 Activated Protein C (APC) Promotes A Healing Phenotype in Cultured Murine Tenocytes Via Protease-Activated Receptor (PAR)-2, but not PAR-1

*Callum Fryer*

2.10-2.15 MicroRNA associated with periprosthetic osteolysis via JAK-STAT pathway

*Yi Deng*

2.15-2.20 Discussion

### **General Trauma**

2.23-2.28 Use of 3D printed fracture models vs. sawbones for surgical resident training.

*Thien Thai*

2.33-2.38 Optimising Patient Weight Management Prior to Arthroplasty: A Feasibility Study

*Furkan Genel*

2.38-2.43 Surfing on the World Stage: A Narrative Review of Acute and Overuse Injuries and Preventative Measures for the Competitive and Recreational Surfer

*Bayan Minasian*

2.43-2.48 Transcutaneous osseointegration reconstruction for wheelchair bound transfemoral amputees (K0 Level)

*Munjed Al Muderis*

2.48-2.53 Discussion

2.55-3.00 First Rib Fracture: Still a Marker of Trauma Severity?

*Nordan Flaaten*

3.00-3.05 Osseointegration Outcomes Following Amputee Lengthening

*Munjed Al Muderis*

3.05-3.10 Orthopaedic injury demographics of electronic scooter trauma in a level 1 trauma centre before and after introduction of a eScooter ride-sharing scheme.

*Adrian Talia*

3.10-3.15 Trends in polytrauma incidence among major trauma admissions

*Benjamin Hardy*

3.15-3.20 Discussion

## **Arthroplasty 7**

Thursday 1.30pm-3.30pm

*Main Auditorium*

**Moderators:** Paul Monk & Bill Walter



1.30-1.45 The role of robotics in arthroplasty

*Fares Haddad*

### **Spinopelvic considerations**

1.45-1.50 The Assessment of the Sagittal Spinopelvic Alignment Through the L1-Pelvis Angle

*A. Mounir Boudali*

1.50-1.55 Application of the simple Hip-Spine Classification to an Australian sample to determine local patient-specific cup orientation requirements

*Max Hardwick-Morris*

1.55-2.00 Over 50% of patients at risk of impingement after THA surgery are not captured with neutral bony alignment

*Max Hardwick-Morris*

2.00-2.05 Discussion

2.08-2.13 Evaluating Alternative Registration Methods and Reference Planes for Imageless, Computer-Assisted Navigation During Supine Total Hip Arthroplasty

*Yuan Chai*

2.13-2.18 Stiff Spine Patients Trend Towards More Component-on-Component Impingement in Total Hip Arthroplasty

*Jason Tsung*

2.18-2.23 Changing Implant Alignment in Total Hip Arthroplasty: Can Virtual Hip Range of Motion be Improved?

*Jason Tsung*

2.33-2.48 Discussion

2.50-2.55 A prospective, multi-centre randomised comparative study assessing a new morphometric designed stem for total hip arthroplasty - 2 year results

*Brooke Driessen*

2.55-3.00 Use of Cemented Femoral Component for Revision in Periprosthetic Femoral Fractures (PFF) in the Elderly

*Caitlin Bodian*

3.00-3.05 Discussion

## 3:05pm – 3:20pm AWARDS

### Main Auditorium

- \*Best Podium Presentation
- \*Best Poster Presentation
- \*Best Exhibitor Stand

## 3:20pm – 3:30pm Closing Ceremony

Ken Te Tau

