ORTHOPAEDIC INFECTION PREVENTION SUMMIT

13–14 April, 2018
Melbourne

International Keynote Speaker

Professor Javad Parvizi

Conference Details
Sofitel Melbourne
25 Collins Street
Melbourne
International Keynote Speaker

Professor - Javad Parvizi

Department of Orthopaedic Surgery at Jefferson Medical College, Thomas Jefferson University, Director of Clinical Research at the Rothman Institute, Jefferson, Philadelphia.

Dr. Parvizi is a board certified orthopaedic surgeon and has been at the Rothman Institute since 2003. He specializes in the management of young patients with hip disorders such as dysplasia and femoracetabular impingement. He has performed over 1000 femoroacetabular osteoplasty procedures, 250 acetabular osteotomies, and over 3000 hip replacements in young adults and continues to lead the clinical research team at the Rothman Institute.

His personal area of interest in research and clinical practice includes prevention and diagnosis of joint infection, joint preservation in adults, and prevention of thromboembolism following orthopedic procedures. He has published over 550 scientific articles and has written 18 text books in related subjects including a definitive book on THE HIP and also on THE KNEE. He has received numerous awards from various societies and has received funding for his research from the National Institute of Health, Department of Defense, Orthopedic Research and Education Foundation, Musculoskeletal Transplant Foundation, Arthritis Foundation and numerous other funding bodies.

Infection in Orthopaedics is the crisis of our time

This meeting aims to build awareness and consensus of best practice, and explore emerging technologies which will impact our fight to beat infection in a meaningful way.
Convenors

Convenor: Professor Warwick Bruce
Clinical Professor, Concord Clinical School, The University of Sydney

Co-Convenor: Professor Peter Choong
Head of Department of Surgery and Director of Orthopaedics at St. Vincents Hospital Melbourne

Faculty

Professor Gordon Blunn - UK
Dr Alexander Burns - ACT
Dr David Campbell - SA
Professor Richard Carey Smith - WA
Dr Jonathan Darby - VIC
Dr David Dewar - NSW
Ms Rebecca East - VIC
Dr Jayant Kalpoe - Netherlands
Dr Andrew Kemp - UK
Dr David Kirschman - USA
Associate Professor Susan Liew - VIC
Dr David Liu - QLD
Dr Cathryn Murphy - QLD
Associate Professor Andrew Shimmin - VIC
Professor Richard de Steiger - VIC
Dr John Trantalis - NSW
Dr Richard Verheul - NSW
Dr Kelly Vince - NZ
Professor Bill Walsh - NSW
Dr Simon Young - NZ
**Friday 13 April**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker/Author</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Registration</td>
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<tr>
<td>10:30</td>
<td>1.1</td>
<td>Welcome</td>
<td><strong>Warwick Bruce &amp; Peter Choong</strong></td>
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<td>10:40</td>
<td>1.2</td>
<td>Documentation of Infection in Registries</td>
<td><strong>Richard de Steiger</strong></td>
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<td>11:00</td>
<td>1.3</td>
<td>Orthopaedic Infection - The UK Data</td>
<td><strong>Gordon Blunn</strong></td>
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<td>11:15</td>
<td>1.4</td>
<td>Overview of Orthopaedic Infection in the USA - The Problem, the Economic Cost and the Human Toll</td>
<td><strong>Javad Parvizi</strong></td>
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<td>11:45</td>
<td>1.5</td>
<td>Surveillance of Infection - Definition, Practicalities and Underreporting</td>
<td><strong>Cathryn Murphy</strong></td>
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<td>12:00</td>
<td>1.6</td>
<td>The Perioperative Nurse’s Role in Ensuring an Aseptic, Safe and Efficient Operative Environment</td>
<td><strong>Rebecca East</strong></td>
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<td>12:15</td>
<td>1.7</td>
<td>A Cost-effectiveness Modelling Study of Strategies to Reduce Risk of Infection Following Primary Hip Replacement</td>
<td><strong>Nicholas Graves</strong></td>
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<td>12:30</td>
<td>LUNCH</td>
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**Scientific Session 1: The State of Play**
Chairperson: Warwick Bruce

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<tbody>
<tr>
<td>10:00</td>
<td>2.1</td>
<td>Surgical Site Surveillance Program - Insights on Orthopaedics</td>
<td><strong>Philip Russo</strong></td>
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<tr>
<td>13:30</td>
<td>2.2</td>
<td>A New National Surgical Site Infection Surveillance Program for New Zealand</td>
<td><strong>Kelly Vince</strong></td>
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</table>
13:45  2.3  Variation in Prosthetic Joint Infection and Treatment Strategies During 4.5 Years of Follow-Up after Primary Joint Arthroplasty  
Susan Liew

Scientific Session 2: Microbiology & Infection Profiling  
Chairperson: Peter Choong

14:00  2.4  Biofilms - An Orthopaedic Perspective  
Gordon Blunn

14:20  2.5  “All Hands on Deck” - The Power of Partnerships Between Infectious Disease Physicians and Surgeons  
Jonathan Darby

14:35  2.6  Gram Negative Resistance - Implications for Orthopaedic Surgery  
Jonathan Darby

14:50  2.7  Prevention is Better than Cure - Bacteria Specific Rapid Metabolic Assay  
Andrew Kemp

15:05  2.8  New Zealand Registry Data on Infection  
Simon Young

15:20  AFTERNOON REFRESHMENTS | Exhibition Area
Scientific Session 3: Guidelines, Challenges & Strategies for Infection Prevention
Chairperson: David Liu

15:40  3.1 An Overview of CDC and WHO Guidelines and Current Recommendations for Managing SSI and PJI
Javad Parvizi

15:55  3.2 Infection Prevention - Challenges and Strategies in Upper Limb
John Trantalis

16:10  3.3 Infection Prevention - Challenges and Strategies in Trauma
David Dewar

16:25  3.4 Infection Prevention - Challenges and Strategies in Primary Arthroplasty
Peter Choong

16:40  3.5 Infection Prevention - Challenges and Strategies in Oncology and Major Revisions
Richard Carey Smith

16:55  3.6 Intra-articulate Antibiotics in the Treatment of Infected Total Joint Replacement. Is this the Future?
Alexander Burns

17:10  SESSION CLOSE

17:15  WELCOME RECEPTION | Exhibition Area

19:00  FREE EVENING

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Saturday 14 April

07:30  Industry Breakfast Symposium
Total Knee Replacement - Pathways to Faster Function
Continental Breakfast Served During Symposium
### Scientific Session 4: Management of Orthopaedic Infections

**Chairperson:** Peter Choong

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<th>Time</th>
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<tbody>
<tr>
<td>09:15</td>
<td>4.1</td>
<td>Antibiotics, Oral, IV - Choosing the Best Treatment Options in Managing Orthopaedic Infections</td>
<td>Jonathan Darby</td>
</tr>
<tr>
<td>09:30</td>
<td>4.2</td>
<td>Regional Intraosseous Administration of Prophylactic Antibiotics</td>
<td>Simon Young</td>
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<td>09:45</td>
<td>4.3</td>
<td>Technical Aspects of the Two-stage Procedure</td>
<td>David Campbell</td>
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<td>10:00</td>
<td>4.4</td>
<td>The Place for the One-Stage Procedure for Infection</td>
<td>Richard Carey Smith</td>
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<tr>
<td>10:15</td>
<td>4.5</td>
<td>The Place for the DAIR Procedure</td>
<td>Andrew Shimmin</td>
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<td>10:30</td>
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<td>MORNING REFRESHMENTS  I  Exhibition Area</td>
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### Scientific Session 5: Management of Orthopaedic Infections cont

**Chairperson:** Peter Choong

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<tbody>
<tr>
<td>11:00</td>
<td>5.1</td>
<td>Pre-operative Strategies to Prevent Infection</td>
<td>David Liu</td>
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<td>11:15</td>
<td>5.2</td>
<td>Intra-Operative Strategies to Prevent Infection – The Surgeon’s Perspective</td>
<td>Warwick Bruce</td>
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<tr>
<td>11:30</td>
<td>5.3</td>
<td>Open Compared with Arthroscopic Treatment of Acute Septic Arthritis of the Native Knee</td>
<td>David Dewar</td>
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<td>11:45</td>
<td>5.4</td>
<td>Emerging Strategies and Techniques in the Management of Infection</td>
<td>Javad Parvizi</td>
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<td>12:00</td>
<td>5.5</td>
<td><strong>Debate:</strong> ‘Which Will have the Greatest Impact on Reducing Infection Rates - Changing Human Behaviour or Incorporating New Technology?’</td>
<td>Human Behaviour: Warwick Bruce &amp; Cathryn Murphy Technology: Javad Parvizi &amp; Bill Walsh</td>
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<td>13:30</td>
<td>6.1</td>
<td>Environment of Care: Is it Time to Reassess Microbial Contamination of the Operating Room Air as a Risk Factor for Surgical Site Infection in Total Joint Arthroplasty?</td>
<td>Javad Parvizi</td>
</tr>
<tr>
<td>14:00</td>
<td>6.2</td>
<td>Supplemental Operating Room Air Treatment - Maximising Outcomes via Bioburden Reduction</td>
<td>David Kirschman</td>
</tr>
<tr>
<td>14:15</td>
<td>6.3</td>
<td>The Effect of a Novel Air Decontamination-Recirculation System on Viable and Total Airborne Particulates During Surgery</td>
<td>Richard Verheul</td>
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<tr>
<td>14:30</td>
<td>6.4</td>
<td>Reducing Total Airborne Particulate - A Laboratory Based Study</td>
<td>Bill Walsh</td>
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<td>14:45</td>
<td>6.5</td>
<td>Evaluation of an Automated UV-C Device (THOR) for Enhanced Disinfection of Patient Environment</td>
<td>Jayant Kalpoe</td>
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<td>15:00</td>
<td>6.6</td>
<td>Reduction of Surface Bacterial Counts Through Use of a Fifth Generation Si-Quat in Conjunction with Direct UV-C Light</td>
<td>Andrew Kemp</td>
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<td>15:15</td>
<td>6.7</td>
<td>Could Neutral Pressure “Spacesuits” be an Answer?</td>
<td>Bill Walsh</td>
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<td>AFTERNOON REFRESHMENTS</td>
<td>Exhibition Area</td>
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Scientific Session 7: Emerging Technologies in Infection Prevention
Chairperson: Warwick Bruce

16:00 7.1 Minimally Manipulated Autologous Stem Cells Sprayed onto Prosthesis - Is there an Angle for Infection Prevention? 
   Gordon Blunn

16:15 7.2 Reduction of Bacteria Using Photodynamic Therapy
   Gordon Blunn

16:30 7.3 Precious Metals to Beat Infection - Dressing Technology
   David Campbell

16:45 7.4 Options in Surgical Skin Preparation
   David Liu

17:00 7.5 Comparative Effect on Skin Bacterial Counts of Three Surgical Skin Preparations
   Andrew Kemp

17:15 7.6 Options in Wound Irrigation
   Javad Parvizi

17:30 Adjournment

Scientific Session 8: The Philadelphia Consensus and Current Guidelines
Chairperson: Warwick Bruce

18:30 8.1 The Motivations & Mechanics in Starting the Philadelphia Consensus
   Outcomes from 2013 Consensus - Best “Bang for the Buck”
   Plans and Desired Outcomes for the 2018 Consensus
   Javad Parvizi
   Sofi’s Lounge

19:30 Summit Dinner with Torbreck Wine Tasting
   Sofitel Ballroom
2018 Orthopaedic Infection Prevention Summit