

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 femoroacetabular 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

10:00 Registration

Scientific Session 1: The State of Play Chairperson: Warwick Bruce

- 10:30 1.1 Welcome
Warwick Bruce & Peter Choong
- 10:40 1.2 Documentation of Infection in Registries
Richard de Steiger
- 11:00 1.3 Orthopaedic Infection - The UK Data
Gordon Blunn
- 11:15 1.4 Overview of Orthopaedic Infection in the USA - The Problem, the Economic Cost and the Human Toll
Javad Parvizi
- 11:45 1.5 Surveillance of Infection - Definition, Practicalities and Underreporting
Cathryn Murphy
- 12:00 1.6 The Perioperative Nurse's Role in Ensuring an Aseptic, Safe and Efficient Operative Environment
Rebecca East
- 12:15 1.7 A Cost-effectiveness Modelling Study of Strategies to Reduce Risk of Infection Following Primary Hip Replacement
Nicholas Graves
- 12:30 LUNCH | *Exhibition Area*

Scientific Session 2: The State of Play cont Chairperson: Peter Choong

- 13:15 2.1 Surgical Site Surveillance Program - Insights on Orthopaedics
Philip Russo
- 13:30 2.2 A New National Surgical Site Infection Surveillance Program for New Zealand
Kelly Vince

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*

Friday 13 April

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

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

Scientific Session 5: Management of Orthopaedic Infections cont Chairperson: Peter Choong

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| 11:00 | 5.1 | Pre-operative Strategies to Prevent Infection
David Liu |
| 11:15 | 5.2 | Intra-Operative Strategies to Prevent Infection – The Surgeon’s Perspective
Warwick Bruce |
| 11:30 | 5.3 | Open Compared with Arthroscopic Treatment of Acute Septic Arthritis of the Native Knee
David Dewar |
| 11:45 | 5.4 | Emerging Strategies and Techniques in the Management of Infection
Javad Parvizi |
| 12:00 | 5.5 | Debate: ‘Which Will have the Greatest Impact on Reducing Infection Rates - Changing Human Behaviour or Incorporating New Technology?’
Human Behaviour: Warwick Bruce & Cathryn Murphy
Technology: Javad Parvizi & Bill Walsh |
| 12:30 | | LUNCH <i>Exhibition Area</i> |

Scientific Session 6: Emerging Technologies in Infection Prevention

Chairperson: Richard Carey Smith

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| 13:30 | 6.1 | 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?
Javad Parvizi |
| 14:00 | 6.2 | Supplemental Operating Room Air Treatment - Maximising Outcomes via Bioburden Reduction
David Kirschman |
| 14:15 | 6.3 | The Effect of a Novel Air Decontamination-Recirculation System on Viable and Total Airborne Particulates During Surgery
Richard Verheul |
| 14:30 | 6.4 | Reducing Total Airborne Particulate - A Laboratory Based Study
Bill Walsh |
| 14:45 | 6.5 | Evaluation of an Automated UV-C Device (THOR) for Enhanced Disinfection of Patient Environment
Jayant Kalpoe |
| 15:00 | 6.6 | Reduction of Surface Bacterial Counts Through Use of a Fifth Generation Si-Quat in Conjunction with Direct UV-C Light
Andrew Kemp |
| 15:15 | 6.7 | Could Neutral Pressure “Spacesuits” be an Answer?
Bill Walsh |
| 15:30 | | AFTERNOON REFRESHMENTS <i>Exhibition Area</i> |

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

Notes

2018 Orthopaedic Infection Prevention Summit



Conference Secretariat

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