Evolution: Grow Develop Thrive

ANZCA | ASM 2012
Perth Convention and Exhibition Centre
12-16 May

Scientific program and highlights

- Saturday May 12, 2012
- Sunday May 13, 2012
- Monday May 14, 2012
- Tuesday May 15, 2012
- Wednesday May 16, 2012
- e-Poster abstracts
Scientific program and highlights

SATURDAY MAY 12, 2012

08.00 - 08.30  OPENING ADDRESS AND WELCOME CEREMONY
Professor Kate Leslie (President, ANZCA), Dr David Jones (Dean, FPM), Drs Tanya Farrell and David Vyse (Convenors ASM 2012)

08.30 - 10.00  PLENARY SESSION 1
Professor Ruth Lindau (ANZCA ASM Visitor) - Mary Burrell Lecture
Pharmacogenetics and anaesthesia: not yet ready for prime time?
Chair: Professor Kate Leslie

Dr Daniel Bennett (FPM ASM Visitor) - Michael Cousins Lecture
Globesity, regulation and risk management: developments in the USA, a cautionary tale
Chair: Dr David Jones

10.00 - 10.30  Morning tea, healthcare industry exhibition and College Ceremony refreshments

10.30 - 12.00  RIVERSIDE THEATRE  MEETING ROOM 1&2  MEETING ROOM 3  RIVER VIEW 4  RIVER VIEW 5  MEETING ROOM 6

10.30 - 11.30  RIVERSIDE THEATRE

11.30 - 13.00  MEETING ROOM 6

13.00 - 15.00  MEETING ROOM 3

15.00 - 17.00  RIVERSIDE THEATRE

17.30 - 20.00  COLLEGE CEREMONY

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Scientific program and highlights

**SUNDAY MAY 13, 2012**

07.15 - 08.15  **BREAKFAST SESSIONS**

08.30 - 10.00  **PLENARY SESSION 2**

Professor Patrick Klouwer *(ANZCA Wk Visitor)* 4th Gilmore Lecture

The right, wrong, or there is a passive conduit?

Chair: Professor Kate Leple

Professor Henrik Kehlet *(FPM WA Visitor)*  FPM WA Visitor's Lecture

Preparation from acute to chronic pain - what do we know and need to know?

Chair: David Jones

10.00 - 10.30  Morning tea and healthcare industry exhibition

10.30 - 12.00  **RIVERSIDE THEATRE**

**CONCURRENT SESSION 16:**

Complications of Regional Anaesthesia: Perioperative Blood Management

Chair: Dr David Davison

Professor Joseph Neal

Strategies to minimise risk in regional anaesthesia: AANA guidelines

Dr Rob Edis

Cate based discussions: complications of unintended blockade

Dr Jason Burton

Cate Based discussions: complications of peripheral nerve blocks

Professor James Libster

Transfusion medicine or toxicology: from product focused to patient focused blood management

Associate Professor Larry McNicol

Implementation of the National Blood Authority (NBA)/National Health and Medical Research Council (NHMRC) perioperative patient blood management guidelines

Dr Simon Towler

Patient blood management: what has it done for Australia?

Dr Yasmin Khateeb

A remote ischaemic preconditioning protocol does not alter the contractile function of human right atrium in vitro

Dr Natalie Purcell

The safety of bilateral versus unilateral total knee arthroplasty performed in a regional hospital

Dr Rohan Mahendar

Measuring cardiac output in the setting of different intra-abdominal and positive and expiratory pressures: comparison of trans-cardiac and trans-pulmonary thermodilution in a pig model

Dr Bridget Hogan

An audit of paediatric anaesthetic experience in an Australian tertiary children's hospital

Dr Shaik Kumar

Total and four representative drug level during continuous Thoracolumbar Abdominal Plane (TAP) block for postoperative analgesia after abdominal surgery - a pilot study

Dr Matt Erickson

Perioperative management of patient with severe: a bridge too far?

Professor Patrick Klouwer

Perioperative challenges in chronic heart failure management

Dr Vince Paul

Practical approach to automated implantable cardioverter defibrillators (AICDs) and permanent pacemakers (PPMs)

CONCURRENT SESSION 17:

Perioperative Pain Management

Chair: Dr Gavenie Goulding

CONCURRENT SESSION 17A:

Perioperative Blood Management

Chair: Professor Ross Baker

Dr Kevin Dolan

Surgical science

Mr Adam Cuttner

Co-morbidities and anaesthesia techniques

Professor David Hillman

Sleep disordered breathing: what do we really know?

Associate Professor Colin Rowe

Ultrasound guided techniques

Dr Simon Towler

Echo-based analysis of myocardial motion and deformation

Professor David Playford

Echocardiography assessment of dyspnoea

Associate Professor Ian Jacobs

Effective anaesthesia and pain medicine - what do we need to know?

Dr Daniel Bennett

Recent advances in neurostimulation

Professor Rupert Gower

Opioid failure: use of intrathecal medications

Dr Michelle Smith

The safety of bilateral versus unilateral total knee arthroplasty performed in a regional hospital

Professor Matthew Chan

The genetic basis of awareness

Professor Andrew Somogyi

The genetics of postoperative nausea and vomiting

Professor Jamie Sleigh

The genetic basis of awareness

Professor Ruth Landau

The genetic basis of pain and analgesia

12.00 - 12.30  Lunch and healthcare industry exhibition

13.00 - 15.00  **LUNCHROOM 1 & 2**

13.00 - 15.00  **RIVERSIDE THEATRE**

**CONCURRENT SESSION 20:**

Anesthesiology Workshops

Chair: Dr Tim McCulloch

Associate Professor Brendan Sibert

Anaesthesia and the vulnerable brain: FPM WA Visitor

Professor Henrik Kehlet

(FPM WA Visitor)

Chair: Dr David Davison

Professor Andrew Davidson

Obstetric anaesthesia and the airway project (NAP4)?

Where are we now after the national audit project (NAP4)?

Dr Andrew Heard

Videolaryngoscopes: tools or toys?

Dr Robert Wong

The right ventricle: more than a passive conduit?

Professor Matthew Chan

Progression from acute to chronic pain: what do we know and need to know?

Dr David Jones

CONCURRENT SESSION 21:

Anesthesiology Workshops

Chair: Dr Michelle Milligan

Mr Kevin Dolan

Surgical science

Dr Adam Cuttner

Co-morbidities and anaesthesia techniques

Professor David Hillman

Sleep disordered breathing: what do we really know?

Associate Professor Colin Rowe

Ultrasound guided techniques

Dr Simon Towler

Echo-based analysis of myocardial motion and deformation

Professor David Playford

Echocardiography assessment of dyspnoea

CONCURRENT SESSION 22:

Anesthesiology Workshops

Chair: Professor Michael Veltman

Associate Professor Ian Jacobs

Effective anaesthesia and pain medicine - what do we need to know?

Dr Daniel Bennett

Recent advances in neurostimulation

Professor Rupert Gower

Opioid failure: use of intrathecal medications

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The genetics of postoperative nausea and vomiting

Professor Jamie Sleigh

The genetic basis of awareness

Professor Ruth Landau

The genetic basis of pain and analgesia

15.30 - 17.00  **RIVERSIDE THEATRE**

**CONCURRENT SESSION 25:**

Paediatric and Neonatal Resuscitation

Chair: Dr Patrick Farrell

Professor Britta Regli von Ungern

Prevention of airway complications: choosing the right airway device

Dr Jorge Kaplanian

Anaesthesia for children with congenital heart disease

Dr Peter Makris

Anaesthesia for brain injury: biomarkers, monitoring and treatment strategies

Professor David Playford

Echocardiography assessment of dyspnoea

Professor Matthew Chan

Progression from acute to chronic pain: what do we know and need to know?

Dr David Jones

**CONCURRENT SESSION 26:**

Anesthesiology Workshops

Chair: Dr Fiona Bradley

Professor Britta Regli von Ungern

Prevention of airway complications: choosing the right airway device

Dr Jorge Kaplanian

Anaesthesia for children with congenital heart disease

Dr Peter Makris

Anaesthesia for brain injury: biomarkers, monitoring and treatment strategies

Professor David Playford

Echocardiography assessment of dyspnoea

Professor Matthew Chan

Progression from acute to chronic pain: what do we know and need to know?

Dr David Jones

**CONCURRENT SESSION 27:**

Anesthesiology Workshops

Chair: Dr Robert Kernig

Professor Christopher Acker

Videoendoscopes: tools or toys?

Dr Andrew Heard

Where are we now after the national audit project (NAP4)?

Dr Roger Brown

Oxidative anaesthesia and the airway

Professor Fritz Pühringer

Modern strategies for the unexpected difficult airway

Associate Professor Pedro Calcabres

Oxygen carriage and delivery: secrets of the microcirculation and blood flow

Professor Mike Bennett

Hyperbaric oxygen therapy - not just for the bends

Associate Professor Simon Mitchell

Present day management of decompression sickness

Professor Kate Leple

A remote ischaemic preconditioning protocol does not alter the contractile function of human right atrium in vitro

Dr Natalie Purcell

The safety of bilateral versus unilateral total knee arthroplasty performed in a regional hospital

Dr Rohan Mahendar

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Practical approach to automated implantable cardioverter defibrillators (AICDs) and permanent pacemakers (PPMs)

Dr Kaiser Lesse

Difficult airway

Dr Andrew Heard

Videolaryngoscopes: tools or toys?

Dr Robert Wong

The right ventricle: more than a passive conduit?

Professor Matthew Chan

Progression from acute to chronic pain: what do we know and need to know?

Dr David Jones

17.00 - 17.30  **ANZCA ANNUAL GENERAL MEETING**

17.00 - 19.30  **HEALTHCARE INDUSTRY RECEPTION**
## Scientific program and highlights

### MONDAY MAY 14, 2012

**RIVERSIDE THEATRE**

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| 08.30 - 10.00 | **PLENARY SESSION 3**  
Gilbert Brown Prize Session  
Chair: Professor Alan Merry  
Dr Jonathan Stacey  
The can’t intubate can’t oxygenate’ situation in paediatric anaesthesia: an animal model  
Dr Ban Leong Sng  
Factors associated with breakthrough pain in parturients using computer integrated patient controlled epidural analgesia – prospective observational study  
Dr Mary Hegarty  
Does take-home analgesia improve post-operative pain after elective day case surgery? A comparison of hospital versus parent-supplied analgesia  
Dr Shu Ying Lee  
A re-audit of PONV rates post-tonsillectomy in a tertiary paediatric hospital: what made the difference?  
Professor Thomas Ledowski  
Residual neuromuscular blockade: does the choice of reversal strategy influence postoperative patient outcome? | **Morning tea and healthcare industry exhibition** |
| 10.00 - 12.00 | **CONCURRENT SESSION 30:**  
Pharmacology Masterclass  
Chair: Associate Professor Ross Kennedy  
Professor Maree Smith  
Opioid update: partial agonists and analgesic synergy  
Professor Stephen Schug  
Oxidative stress and anaesthesiologists  
Professor Ross Baker  
Oral thrombin inhibitors: the dilemma of reversal  
Professor Fritz Puhlinger  
Sugammadex: an update  
Dr Bridin Munroin  
Sedatives: dosage and anaesthetists | **CONCURRENT SESSION 31:**  
Occupational Hazards  
Chair: Dr Di Khursandi  
Dr Toby Nichols  
Anesthesia in North Western Australia: circa 1935  
Dr Ken Williams  
History of the first anaesthetic practice in Western Australia  
Dr Neville Davis  
History of anaesthesia at St Charles Gardner Hospital  
Dr Tracey Tay  
Perilous journeys in clinical leadership: the Churchill experience in five systems  |
| 12.00 - 13.30 | **CONCURRENT SESSION 32:**  
Anaesthetists in Management SIG  
Chair: Dr Bob Harrison  
Associate Professor Daryl Williams  
The Royal Australian College of Medical Administration: fellowship relevant for anaesthesia directors?  
Emeritus Professor Teik Oh  
Leadership and management in anaesthesia  
Dr Lisa Zuccerelli  
Management of propofol misuse | **CONCURRENT SESSION 33:**  
Obstetric Anaesthesia SIG  
Chair: Professor Thomas Brussel  
Associate Professor Alicia Dennis  
Ultrasound and the heart: what can we learn?  
Dr Chris Mitchell  
Ultrasound and the spine: what can we learn?  
Professor Jan Dickinson  
Ultrasound and the pregnant woman: what can we learn?  
Dr Bridin Munroin  
Sedatives: dosage and anaesthetists  
Flight Lieutenant Ray McTernan  
Fatigue and crisis management: lessons from the aviation industry  
Dr Tracey Tay  
Perilous journeys in clinical leadership: the Churchill experience in five systems  |

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| 08.30 - 10.00 | Plenary Session 4  
Chair: Dr Tanaya Fanell  
Associate Professor Andrew Davidson (ANZCA Australasian Visitor and Leonard Travers Professor) Australasian Visitor's Lecture  
Translational research in anaesthesia  
Professor Joseph Neal (Western Australian Organising Committee Visitor) Regional Organising Committee Visitor's Lecture  
Ultrasonound-guided regional anaesthesia: a game-changer or just steady progress? |                                                                                     |
| 12.00 - 12.30 | Lunch and healthcare industry exhibition                                                         |                                                                                  |
| 13.30 - 15.00 | Concurrent Session 35: Perioperative Fluid Masterclass  
Chair: Dr Ed O’Loughlin  
Professor Henrik Kahler  
Post-cardiac or trauma resuscitation? Potentials and perils of enhanced recovery after surgery (ERAS) programs  
Associate Professor Phil Peyton  
Monitoring perioperative fluid responsiveness: what does it tell us and what monitors work  
Professor Paul Mylès  
Current view of the merits of perioperative fluids | Chair: Dr Rhys Waghorn  
Professor Fiona Lake  
Teaching in critically stressful situations  
Dr David Brereton  
Development of an anaesthesia crisis manual  
Dr Timothy Brake  
The impact of culture on simulation-based medical education | Dr Michael Appleyard  
Professor Joseph Neal  
Creating a regional anaesthesia friendly environment  
Dr Alvin Chan  
Graduate level skills: what we expect from a FANZCA  
Dr Brian Hennessy  
Dealing with the underperforming regionalist |
| 14.00 - 15.00 | Concurrent Session 40: Cardiology at the Coalface  
Chair: Dr Andrew Heard  
Professor Ruth Landau  
Genetic variability of response to vasopressors  
Professor Kate Leslie  
Perioperative cardiac troponinology  
Associate Professor David Playford  
Optimising cardiac investigations | Chair: Dr Craig Cripps  
Professor Fritz Puhlander  
Use of the laryngeal mask airway in ENT surgery - state of the art or nonsense  
Dr Andrew Heard  
Avoiding the "Can't intubate, Can't Oxygenate" scenario  
Dr Faysal Ajadi  
Extrication of the difficult airway | Dr Michael Leahy  
Perioperative assessment and optimisation of ion status  
Professor Ronan Murray  
A practical guide to perioperative antibiotic usage  
Dr Laurence Weinberg  
Why all fluids are not made equal |
| 15.30 - 17.00 | Concurrent Session 46: Regional Anaesthesia Masterclass: "More Bang for your Buck"  
Chair: Dr Todd Thankay  
Dr Lindy Cass  
Looking good anaesthesia for day-case surgery  
Dr Pat Coleman  
The new frontier: regional anaesthesia at the frontier  
Dr Adrian Ng  
The key to GA: upper limb blocks for vascular access  
Dr David McLeod  
Shoulder surgery and pre-existing neuropathy  
Dr Lloyd Green  
Labor analgesia: my no hassle strategy  
Dr Linda Partridge  
Interventional blocks for breast surgery: gold standard treatment? | Chair: Dr Christopher Scott  
Dr Matthew Crawford  
Pain management in the paediatric patient  
Dr Lindy Roberts  
Ambulatory surgery and patients with pre-existing pain or addiction  
Dr Crispin Swan  
Pain management in the elderly day case patient | Dr Brett Segal  
Workplace based assessment (WBA)  
Dr Genevieve Goulding  
ANZCA rules and clinical fundamentals  
Dr Brian Spain  
Teaching cases |
| 16.00 - 17.00 | Concurrent Session 47: ANZCA Curriculum Redesign  
Chair: Professor Barry Baker  
Dr Matthew Crawford  
Pain management in the paediatric patient  
Dr Lindy Roberts  
Ambulatory surgery and patients with pre-existing pain or addiction  
Dr Crispin Swan  
Pain management in the elderly day case patient | Chair: Associate Professor Tim Short  
Professor Paul Mylès  
Equipoise in clinical trials  
Dr Nolan Mccunnell  
Superiority, non-inferiority and equivalence trials: demystifying the mysterious | Associate Professor Andrew Davidson  
Update on fluids for paediatrics  
Dr Justin Skowron  
Near infrared spectroscopy - cerebral and somatic ischaemia for the 21st century  
Dr Mary Hegarty  
Preliminary analysis of the Western Australian pregnancy (Raine) cohort for long term cognitive effects of surgery and anaesthesia exposure |

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Chair: Associate Professor Tomás Corcoran

Mr Stevenson Carlebach

The neuroscience of conflict and collaboration

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