

# Leaps -AND- Bounds



**ANZCA**  
FPM

**2021 ASM**  
**Get your ePosters**



# ePosters

## Airway management

The impact of an aerosol box on time to intubation: A systematic review and meta-analysis

Dr Zheng Jie Lim

Airway management of an adult patient with Mucopolysaccharidosis Type 6 (Maroteaux-Lamy Syndrome) in respiratory failure: a case report

Dr Nicole Jacobs

Endotracheal tube cuff pressure monitoring

Dr Dinamulla Wanshanatha

Airway assessment documentation in emergency surgical cases – clinical audit of adherence to Australian guidelines

Dr Petrus Abraham

Comparison of supraglottic airway insertion following epiglottoscopy versus standard insertion. A meta-analysis.

Dr George Weeratunga

Safety of laryngeal mask airway devices in caesarean section: Systematic review and prevalence analysis

Dr Lachlan Fairley

A retrospective analysis of inpatient emergency endotracheal intubation documentation

Dr James Warner

Code airway: patient outcomes and resource utilisation for emergent airway assistance

Dr Megan Allen

Anaesthetic experience for distal trachea excision using veno-venous ECMO technique: A case report

Dr Jing Ong

## Anaesthesia techniques

Muscle relaxation after a standard induction dose of rocuronium or atracurium (Relaxed study)

Dr James Cheng Jiang

The value and dynamics of Annexin V in blood plasma depending on the scheme of anesthesia during coronary artery bypass grafting

Dr Stepan Maruniak

An audit of rural anaesthetic practice at St George Hospital, Queensland

Dr Tien (Tenglong) Chen

The impact of low-opioid anesthesia on the rehabilitation of cardiac surgery patients

Dr Taisiia Danchyna

Sugammadex Survey 2020: Changing knowledge and attitudes

Dr Duncan Macrosson

Prospective cohort-controlled comparison of continuous epidural infusion and programmed intermittent epidural bolus techniques for analgesia following abdominal surgery

Dr Alan Bullingham

Anaesthetic management of patients with pulmonary emboli treated with ultrasound-assisted catheter-directed thrombolysis at Westmead Hospital

Dr Yvonne Strohmeier

# ePosters continued

## Career

The Blair Switch Project – how are anaesthetists supported to return to work after severe injury?

Dr Tracey Tay

“Quit while you are ahead – and smell the roses!” A survey of retired fellows of the Australian and New Zealand College of Anaesthetists

Dr Diana Strange Khursandi

## Day care anaesthesia

Gastric ultrasound and the assessment of gastric volume prior to gastrointestinal endoscopy

Dr Claire Rose

## Education and research

Video assisted versus conventional debriefing during simulation based airway skills training: The debrief experience of participants

Dr Lachlan Kerr

Difference between intrathecal ropivacaine and bupivacaine in non-obstetric population – a systematic review and meta-analysis

Miss Biyyam Meghna Rao

The impact of *Anesthesiology* (journal): a citation analysis

Dr Andrew Lim

Patient blood management cohort study: A need for better education and a call to include principles of patient blood management into medical student and intern education

Dr Kate Taylor

MRI examination of lumbar interspinous ligaments: Quantitative comparison and validation against dissection

Dr Sue Lawrence

Current knowledge of the interaction between sugammadex and hormonal contraception in a tertiary anaesthesia department

Dr Frederick Torlot

## Emergency Response

Massive transfusion protocol in the major Western Australian trauma centre: Are we doing it right?

Dr Ray Paramalingam

Nature and characteristics of orthopaedic medical emergency team events: A retrospective study 263 MET calls

Dr Lily Kang

Audit of medical emergency team (MET) calls in Fremantle Hospital

Dr William Kennerson

A review of topical gelatin-based haemostatic agents; an insidious culprit of intraoperative anaphylaxis?

Dr Lachlan Kerr

## Emergency Response

Case fatality rates for COVID-19 patients requiring invasive mechanical ventilation: A meta-analysis

Dr Zheng Jie Lim

A systematic review of the incidence and outcomes of in-hospital cardiac arrests in patients with COVID-19

Dr Zheng Jie Lim

Retrospective single-centre analysis of levosimendan usage in ICU patients with cardiogenic shock

Dr Eileen Zhang

Effect of branched endovascular thoraco-abdominal aortic aneurysm repair on platelet reactivity

Dr Mateusz Zawadka

The case for a surgical high dependency unit (HDU); assessing the use of postoperative ICU beds at a major metropolitan hospital in Melbourne, Australia

Dr Mark Brown

# ePosters continued

## Medicolegal

Comparison of documentation completeness and accuracy in electronic and paper anaesthetic records

Dr James Cheng Jiang

Perceived stress during labor and its association with depressive symptomatology, anxiety, and pain catastrophizing

Dr Ban Leong Sng

Conversion of neuraxial to general anaesthesia at elective and emergency caesarean sections

Dr Ann Lee

Perioperative analgesia for elective caesarean section in rural and remote settings

Dr Salm Ramzani

## Obstetric anaesthesia

Programmed intermittent epidural bolus and patient controlled epidural analgesia: a prospective audit of a new labour epidural regimen at a regional hospital in Australia

Dr Camila De La Rosa Orjuela

Implementation of programmed intermittent bolus low-dose epidural for labour

Dr James Phillips

Incidence of post dural puncture headaches and evaluation of treatment modalities: a retrospective audit

Dr Abraham Petrus

Transition from continuous epidural infusion to low concentration PIEB/PCEA for labour analgesia: A retrospective audit

Dr Daphne Premnath

What do women eat and drink during labour? Preferences of women delivering at an Australian tertiary obstetric centre.

Dr Laura McDermott

A retrospective review of the incidence and predictors of preoperative anaemia in patients undergoing elective caesarean section at a tertiary metropolitan hospital in Auckland, New Zealand

Dr Nicholas Lightfoot

Intrathecal morphine and pethidine patient controlled epidural analgesia for elective caesarean delivery. A comparison of analgesia efficacy, side effects and cost analysis.

Dr Justin Hii

A retrospective study of anaesthetic techniques and consequences to maternal and neonatal outcomes of category one caesarean sections at Logan Hospital

Dr Yingrui Liu

Audit of category 1 caesarean section anaesthesia: technique, timing and complication rates at GCUH

Dr Tien (Tenglong) Chen

Times to get comfortable with a labour epidural. "Well the times they aren't a changin'"

Dr Kathryn Hersbach

A review of anaesthetic related complications in women receiving labour epidurals in a regional Australian hospital

Dr Ann Lee

Audit of caesarean sections performed at a regional Melbourne hospital

Dr Stephanie Barreto

Assessing the efficacy of common antiemetic prophylaxis in elective caesarean sections – a network meta-analysis

Dr David Tian

An audit of neonatal resuscitation in babies of mothers who were administered opioids during labour

Dr Lisa Stevens

# ePosters continued

## Other

Primary abdominal compartment syndrome from a spontaneous retroperitoneal haemorrhage requiring decompressive laparotomy

Dr Patrick Tully

## Paediatrics

The use of clonidine for reducing emergence delirium in paediatric patients and its effects on time in the post anaesthesia care unit – just a sedative?

Dr Daniel Patti

Are we overprescribing opioids post paediatric adenotonsillectomy procedures? An audit in a regional setting.

Dr Nyomi Hall

## Pain

Analgesic efficacy of transversus thoracis muscle plane block in post-sternotomy pain after cardiac surgery: a pilot feasibility study

Dr Henry Man Kin Wong

The pericapsular nerve group (PENG) block provides improved analgesia compared to the femoral nerve block in neck of femur surgery: A single-centre double-blinded randomized controlled trial.

Dr Indy Lin

Transversus abdominis plane block audit: Factors influencing efficacy

Dr Felix Anderson

The prevalence of opioid analgesic use in people with chronic non-cancer pain: Systematic review and meta-analysis of observational studies

Dr Graeme Wertheimer

What proportion of patients with chronic noncancer pain are prescribed an opioid medicine? Systematic review and meta-regression of observational studies

Dr Graeme Wertheimer

Pelvic exenteration surgery: Are we missing the pain?

Dr Charlotte Johnstone

Prospective audit of pain management for exenteration surgery after implementation of department of anaesthesia guidelines

Dr Charlotte Johnstone

Remifentanyl dose during craniotomy and acute postoperative pain: should we be concerned? A retrospective study in an Australian tertiary hospital.

Dr Nikolai Fraser

Attitudes and practices of discharge opioid prescribing in junior doctors of the Auckland region: a descriptive study

Dr How-Shin Tsao

Can improved mucosal absorption allow a tetrahydrocannabinol/cannabidiol oro-buccal spray to achieve clinical efficacy in chronic pain?

Dr Jeremy Henson

Nervous survey II: Postmastectomy pain syndrome in female adults after primary and redo breast cancer surgery

Dr Christie Farag

A clinical audit: comparison between adductor canal blocks and patient controlled analgesia alone post unilateral total knee replacement

Dr Erica Sorn

Retrospective audit examining paediatric pain management after emergency fracture reduction and orthopaedic surgery

Dr Thomas Martin

Opioid equivalence mobile applications audit

Dr John Watters

Sources of cervicogenic headache in the upper cervical synovial joints

Professor Nikolai Bogduk

# ePosters continued

## Pain

Audit of pain and analgesia following minimally invasive right thoracotomy approach for mitral valve surgery: a single institution experience

Dr Andrew Nienaber

Text messaged online survey link as a method of tracking opioid consumption post-discharge after surgery

Dr Damien Kearney

Prevalence of ileus following abdominal wall nerve blocks in laparoscopic abdominal surgery

Dr Lachlan Fairley

Harmful events associated with discharge opioids after hospital stay: a systematic review

Dr Gerardo Arwi

Evaluating the adherence and effectiveness of an evidence-based discharge opioid prescribing guidelines

Dr Gerardo Arwi

Post surgical discharge opioid prescribing at Gold Coast University Hospital (GCUH)

Dr Brian Beaver

A review of pain control in the Post-Anaesthetic Care Unit(PACU).

Dr Brian Beaver

Opioid consumption in patients undergoing primary total knee arthroplasty after introduction of continuous adductor canal block at Rockhampton Base Hospital

Dr Alexandra Chung

Chronic pain after open repair of thoraco-abdominal aneurysm

Dr Mateusz Zawadka

A change in prescribing practice of patient controlled analgesia opioid type does not affect total duration of PCA patient-days: A three-year audit of inpatient pain services in a tertiary centre

Dr Jonathan Chen

Use of fentanyl patient controlled analgesia is not associated with increased daily opioid usage compared with morphine beyond postoperative day 2 after major surgery

Dr Jonathan Chen

Acute pain service involvement in analgesic management of patients with rib fracture; prescribing patterns and rates of opioid related adverse events

Dr Meghan Bowtell

Quantifying inpatient perioperative analgesia and rehabilitation in elective arthroplasties

Dr Clark Mei

## Perioperative medicine

A retrospective audit of perioperative advanced care planning for elderly patients undergoing a major orthopaedic procedure with a general anaesthetic in 2019 at an Australian tertiary hospital

Dr Rebecca Johnstone

Audit of delayed discharge from the post-anaesthesia care unit at Rockingham General Hospital (RGH)

Dr William Kennerson

Audit into perioperative management of diabetes and diabetic medications prior to elective surgery in a tertiary hospital setting

Dr Christine Lowe

Acute Surgery PErioperative CollaboraTION team quality improvement program

Dr Kate Taylor

Operative femoral fracture: the impact of age on surgical timing

Dr Afnan Khaleque

# ePosters continued

## Perioperative medicine

Post-operative hypotension following total hip arthroplasty and the potential role for Midodrine: a baseline audit

Dr Theodore Backhouse

Mortality following postoperative pulmonary complications with and without SARS-CoV-2 infection: a comparative analysis of pre-COVID and COVID cohorts

Ms Laure Taher Mansour

A proof of concept study of the use of Dex® (preoperative carbohydrate drink) in fasting trauma patients admitted to a Level 1 adult trauma centre

Dr Laura Marshall

Continuous capnography with pulse oximetry in the detection of first night postoperative respiratory abnormalities after major surgery

Mr Vichaya Champreeda

Anaesthesia management of hip fracture patients and occurrence of postoperative delirium: a multisite audit of practice in Western Australia

Dr Frederick Torlot

Changes in patient blood management in cardiac surgery patients over eight years: A retrospective observational study

Dr Vikrant Singh

Perioperative hypothermia in joint replacement surgery

Dr Nicholas Pergaminelis

Factors influencing early and long-term survival following hip fracture among nonagenarians: a single center study

Dr Bobby Ou Yang

Changes in patient blood management in cardiac surgery patients over eight years: A retrospective observational study

Dr Vikrant Singh

Perioperative hypothermia in joint replacement surgery

Dr Nicholas Pergaminelis

Factors influencing early and long-term survival following hip fracture among nonagenarians: a single center study

Dr Bobby Ou Yang

Perioperative management of diabetes mellitus in adult elective patients: Sunshine Coast University Hospital audit

Dr Andrew Clawson

Impact of perioperative intravenous fluid administration on the hospital length of stay and adverse outcomes following elective colorectal surgery: an audit

Dr Usha Gurunathan

Compliance with Enhanced Recovery After Surgery (ERAS) protocol in elective colorectal surgery

Dr Noopur Mehta

## Safety, quality and research

Incidence and outcome of out-of-hospital cardiac arrests in the COVID-19 era: A systematic review and meta-analysis

Dr Zheng Jie Lim

Blood pressure maintenance during endovascular clot retrieval: Does a 140-185mmHg target improve outcomes?

Dr Martin Thomas

Hip fractures: surgical intervention and length of stay (HF:SILOS)

Dr Andrew Lim

Desflurane use at John Hunter Hospital 2019

Dr Timothy Wong

Procedural cancellation: a retrospective analysis

Dr Andrew Lim

A multi-centre audit of surgical antibiotic prophylaxis across tertiary hospitals in Western Australia

Dr Jodie Jamieson

# ePosters continued

## Safety, quality and research

The use of patient reported outcome measures (PROM) and experiences (PREM) in patients with iron deficiency anaemia receiving IV ferric carboxymaltose

Associate Professor Kerstin Wyssuek

Recycle – don't wait 700 years!

Associate Professor Kerstin Wyssuek

Perioperative hypoglycaemia, a hospital acquired complication audit

Dr Justin Lim

Fit testing of BSN Medical ProShield N95 filtering facepiece in anaesthesia personnel on a COVID-19 airway team

Dr Caitlin Low

A patient perspective survey on masking or de-masking the medical staff amid COVID-19 pandemic

Dr Aihua Wu

Emergency laparotomy audit

Dr Claire Rose

Post-operative delirium audit

Dr Claire Rose

Patient satisfaction with perioperative anaesthetic care in elective arthroplasties

Dr Pramod Vasantharao

Intravenous tranexamic acid and thromboembolic events in hip fracture surgery: a systematic review and meta-analysis

Dr Gregory Leverett

Perioperative management of anaemia in patients undergoing major elective orthopaedic surgery

Dr John Parr

Comparison of exhalational contaminants in elastomeric and disposable respirators

Dr Derrick Wong

Correct NIBP cuff selection in obese patients – a quality improvement initiative

Dr Victoria Eley

The effect of perioperative slow release opioid use at the time of total knee arthroplasty on long term opioid use following surgery: A retrospective cohort study

Mr Taehoon Kim

Use of ROTEM®: does surgical specialty influence transfusion practice?

Dr Cameron Dunn

Pre-operative briefing to improve perioperative team communication and co-ordination

Dr James Cheng Jiang

Can a simple text message improve patient compliance with current preoperative fasting guidelines? (Sugar-IV Study)

Dr Alex Kwong

Disposable absorbent pad ("bluey") use in the operating theatre – a multi-centre audit

Dr Sophia Grobler

Postoperative hypotension resulting in medical emergency calls in orthopaedic patients: A retrospective case-control study of possible contributory factors

Dr Ashley Jamieson

Audit of postoperative nausea and vomiting following hip and knee replacement surgery at Fremantle Hospital

Dr William Kennerson

Conserving suxamethonium during the COVID-19 pandemic: audit of a quality improvement initiative

Dr Veronica Gin

An audit to assess the incidence of post-induction hypotension in patients receiving endovascular thrombectomy for large vessel ischaemic stroke under general anaesthesia at Christchurch Hospital

Dr Holly Edmond

Audit of the perioperative management of immunomodulating medications at Westmead Hospital

Dr Will Moor

# ePosters continued

## Safety, quality and research

The impact of COVID-19 stay-at-home orders on trauma presentations at the Sunshine Coast University Hospital and its effects on the provision of anaesthetic services

Dr Daniel Patti

The impact of a prescriber and patient educational intervention on discharge analgesia prescribing following routine elective unilateral total hip and knee arthroplasty

Dr Shuh Fen Moy

Do patients with a fractured neck of femur experience postoperative benefits from a preoperative single-shot fascia iliaca block performed in the emergency department?

Dr Benjamin Tassie

Is preoperative anaemia associated with perioperative transfusion in cardiothoracic patients?

Dr Ilana Delroy-Buelles

A comparison of clinical outcomes in older versus younger adults following femur fracture surgery: a cohort study

Dr Harrison Yao

Paper versus electronic anaesthetic record audit

Dr Melissa Kuo

A review of adverse outcomes following investigational lumbar puncture

Dr Kelly Atkins

Westmead Hospital Perioperative Medicine Service – a shared decision-making model of care: retrospective review of outcomes for high risk surgical patients

Dr Farheen Ali

## Special

A novel digital clock drawing test as a screening tool for perioperative neurocognitive disorders: A feasibility study

Dr Richard Buckley

Euglycaemic diabetic ketoacidosis secondary to SGLT2 inhibitors – beware of the "Gliflozins"

Dr Matthew Doherty

The morbid burden of perioperative diastolic dysfunction in cardiac surgery

Dr Mateusz Zawadka

## Welfare of anaesthetists

The gap between attitudes and processes related to "family-friendly" practices in New Zealand: A survey of anaesthesia supervisors of training and departmental directors

Dr Jane Carter