



Austin Hospital Emergency Department

Research Report 2015

Compiled by

Prof David Taylor
Director of Emergency Medicine Research

FOREWORD

Welcome to the Austin Hospital Emergency Department's 2015 Research Report. I am pleased to report that 2015 saw a substantial expansion of research activity and academic achievement. I would like to congratulate our staff on these endeavours and thank those who assisted and facilitated this good work. We can look forward to a successful and stimulating 2016 and beyond.

2015 HIGHLIGHTS

Research Awards

In 2015, a number of our ED staff were shortlisted for, or won, a range of awards for their research activities. Notably, a wide range of staff were involved including Scholarly Selective students (Juen Li Ding, Olivia Grover Johnson), nursing staff (Sine Donaldson) and consultants (Jamie Hendrie, Anselm Wong, David Taylor). Details of these awards are provided below.

The Scholarly Selective program

This program requires all University of Melbourne medical students to undertake 10-12 months of part-time then full-time research. In 2015, we hosted four SS students as they undertook research in the ED: Aadith Ashok, Marina Lee, Juen Li Ding and Olivia Grover Johnson. Our students' projects were all highly successful and I am sure you will agree that it was a pleasure to have them working among us. As well as their own projects, they assisted with data collection in a randomised controlled trial examining an intervention to improve pain management in the ED. We look forward to welcoming the 2016 SS students in early February 2016.

'IV midazolam-droperidol (combination), droperidol (only) or olanzapine (only) for the acutely agitated patient: a multi-centre, randomised, double-blind, controlled trial' (The SOOTHE Trial)

The Austin ED was lead site for this trial and is collaborating with the Royal Melbourne and St Vincent's EDs, and Monash and Melbourne Universities. It is the third of the collaboration's drug trials in the management of the acutely agitated ED patient and we are recognised as world leaders in this area. We have recently completed enrolment and the results are fascinating. It is very clear that, for every endpoint, the midazolam-droperidol combination is the superior regimen. We believe that our program of research in this area has now determined the best IV drug regimen for this difficult patient group. The findings of the SOOTHE trial will be presented at the International Conference on Emergency Medicine, Cape Town, in April 2016.

Paediatric Research

In 2014, the Austin led two paediatric projects in collaboration with the Sunshine, Dandenong and the Royal Children's Hospital and the Monash Medical Centre. These projects explored Complementary and Alternative Medicine use by children and the administration of off-label medications to children in the ED. In 2015, the Austin led a collaboration that explored Alternative Therapies use (chiropractic, osteopathy, homeopathy etc.) among ED paediatric patients. The findings were staggering, with almost one half of all children having had an Alternative Therapy course within the previous 12 months. We are now embarking upon a similar study of adult patients.

National and International Collaborations

Through membership of the ACEM Clinical Trials Group and the Research Committee of the International Federation for Emergency Medicine, the Austin leads a range of collaborative projects. At the national level, these have included a prospective observation study of the management of acutely agitated patients (SIESTA), determination of research priorities in emergency medicine, and pain management initiatives. At the international level, we are leading projects that will examine the direction and extent of selection bias in convenience sampling, ED workplace manpower distribution, the utility of clinical investigations and ethical issues specific to emergency medicine research.

The Austin is also collaborating on two randomised clinical trials on the sedation of acutely agitated patients in Hong Kong. Perhaps most gratifying is that the principal investigator of these two trials is Dr Esther Chan. Esther was a pharmacist in the Austin ED for many years before undertaking her PhD in acute agitation management. A number of her PhD projects were undertaken at the Austin and have been highly cited. It is very pleasing to see a young, Austin-trained researcher succeeding in the international research forum. Moreover, I am sure we will all congratulate Esther on the recent birth of a baby girl. We hope to catch up with her and her family at Easter.

Post-graduate Research and Academic Training

Congratulations are due to a number of our staff for their achievements in this area.

- Dr Anselm Wong has commenced his PhD studies through Monash University and will be focussing on the management of patients following paracetamol overdose. Anselm has won an Australian Post-graduate Award to support his research and hopes to be enrolling patients early in 2016.
- Sine Donaldson, one of our Assistant Nurse Unit Managers completed her Master of Public Health degree in 2015. Part of this degree comprised a large research project of oxycodone prescribing in the ED. Sine and her collaborators were shortlisted for an award for this work.
- Dr Andrew Blunt completed his Master of Paediatric Emergency Medicine in 2015. The research component of this degree related to emergency department manipulation of paediatric forearm fractures.
- Dr Victor Lee completed his Master of Health Professional Education (High Distinction) degree. Victor has a keen interest in medical education and research in this area. At the ACEM conference in November 2015, he presented his research on the use of the MINI-CEX tool for trainee evaluation.
- Dr Joe-Anthony Rotella successfully passed the Regulation 4.10 component of this Emergency Medicine training program. Joe's research project examined the use of electronic device formats in the interpretation of ECG QT intervals.

Research Funding

As ever, funding for Emergency Medicine research is notoriously difficult to procure. Notwithstanding this difficulty, our department has an admirable research activity and output. We have, however, had funding success with several multi-centre collaborations with which we are involved and have procured funding in excess of \$250,000 for these:

- 'Restricted Fluid Resuscitation in Sepsis-associated Hypotension (REFRESH) Trial'

- ‘Sedation for Acute Agitation in Emergency Department Patients: Targeting Adverse Events (SIESTA)’
- ‘Oro-dispersible olanzapine (wafer) versus conventional oral haloperidol or diazepam tablets for the management of acute agitation in the Accident and Emergency Department – a multi-centre randomised clinical trial.’

ARTICLES PUBLISHED BY AUSTIN ED STAFF IN 2015

Buck A, Jamieson J, Perry A, **Rotella JA**, Mitchell RM. Insights into the development of a trauma short course for Australasian emergency medicine clinicians. *Emerg Med Australas* 2015; 27: 152-154

Chan EW, Tang C, Lao KSJ, Leung LP, Tsui SH, Ho HF, Wong CK, Kong DCM, **Taylor DMcD**, Knott JC, Wong ICK. The management of acute agitation in Hong Kong and comparisons with Australasia. *Emerg Med Australas* 2015; 27, 542-548

Evans J, Taylor DMcD, Hurren F, Yeoh M, Howden B, Ward P. The effects of vapocoolant spray on skin sterility prior to intravenous cannulation. *J Hosp Infection* Published online ahead of print: May 18, 2015

Fitzgerald C, Welch S, **Taylor SE, Harding A** for the SHPA Committee of Specialty Practice in Emergency Medicine. SHPA Standards of Practice in Emergency Medicine Pharmacy Practice. *JPPR* 2015; 45: 423-430

Glassford NJ, Jones SL, Mårtensson J, Eastwood GM, Bailey M, Cross A, **Taylor DMcD**, Bellomo R. Characteristics and expectations of fluid bolus therapy: A bi-national survey of acute care clinicians. *Anaesth Intens Care* 2015; 43: 750-756

Harding A, Welton C, Yeoh M. Medication costs in an Emergency Department. *JPPR* 2015; 45: 419-22

Lefmann SA, **Crane JL**. Establishing the diverse value of the emergency department physiotherapist. *J Physiother* (2015), Published online ahead of print
<http://dx.doi.org/10.1016/j.jphys.2015.11.001>

Liversidge XL, Taylor DMcD, Liu B, Ling S, Taylor SE. Variables associated with parent satisfaction with their child's pain management. *Emerg Med Australas* Published online ahead of print Dec 22, 2015. doi: 10.1111/1742-6723.12519

Mitchell RM, **Rotella JA**, Jamieson J, Perry A. The role of short courses in Australian emergency medicine training *Emerg Med Australas* 2015; 27: 148-151

Moore K, Mitchell R, Perry A, Gosbell A, **Rotella JA**. What lies beyond: findings from the early careers survey of new Fellows of the Australasian College for Emergency Medicine. *Emerg Med Australas* 2015; 27: 606-609 DOI: 10.1111/1742-6723.12510

Naidoo P. 'Introduction of time-based targets has improved the training environment for Emergency Medicine: No.' *Emerg Med Australas* 2015; 27: 361-362

Rotella JA, Wong A, Howell J, Robotham A, Greene SL. High-visibility warning labels on paracetamol containing products do not prevent supratherapeutic ingestion. *Clin Tox* 2015. 53(10): 935-40.

Rotella J-A, Taylor DMcD. Concomitant roxithromycin use among elderly patients taking warfarin resulting in significant over-anticoagulation. *JPPR* 2015; 45: 182-185

Smith GD, Dyson K, **Taylor D**, Morgans A, Holdgate A, Cantwell K. Effectiveness of the valsalva manoeuvre for reversion of supra-ventricular tachycardia in the prehospital and emergency medicine settings. *Cochrane Database Syst Rev* 2015, Issue 2

Smith G, **Taylor DMcD**, Morgans A, Cameron P. Measuring the effectiveness of a revised clinical practice guideline for the pre-hospital management of supraventricular tachycardia. *Emerg Med Australas* 2015; 27: 22-28

Smith G, Broek A, **Taylor DMcD**, Morgans A, Cameron P. Identification of the optimum vagal manoeuvre technique for maximising vagal tone. *Emerg Med J* 2015; 32: 51-54 doi: 10.1136/emermed-2013-203299

Taylor DMcD, Cohen D, Epstein J, Freeman P, Gosbell A, Judkins S, Mowatt E, O'Reilly G, Vinen J. Development of a productive research culture in Emergency Medicine: Report of the outcomes of a Research Forum. *Emerg Med Australas* Published online ahead of print. November 27, 2015

Taylor DMcD, Fatovich D, Finucci D, Furyk J, Hughes J, Jin S-W, Keijzers G, MacDonald S, Mitenko H, Richardson J, Ting J, Thom O, Ugoni A, Ward M et al. Best-practice Pain Management in the ED: a multi-centre, cluster-randomised, controlled, clinical intervention trial. *Emerg Med Australas* 2015; 27: 549-557

Taylor DMcD, Garewal DPS, Evans MC. Correlations between patient-assessed shoulder instability scale scores. *J Ortho Surg* 2015; 23: 233-236

Taylor DMcD for the Consultative Council for Clinical Trials Research. 'Response by the CCCTR to the Victorian Health and Medical Research Strategy Discussion Paper' Submission to the Victorian Minister for Health on August 28, 2015

Taylor DMcD, Joffe P, **Taylor SE**, Jones A, Cheek JA, Craig SS, Graudins A, Dhir R, Krieser D, Babl FE. Off-label and unlicensed medicine administration to paediatric Emergency Department patients. *Emerg Med Australas* 2015; 27: 440-446

Taylor DMcD, Dhir R, Craig SS, Lammers T, Gardiner K, Hunter K, Joffe P, Krieser D, Babl FE. Complementary and Alternative Medicine use among Paediatric Emergency Department Patients. *J Paed Child Health* 2015; 51: 895-900

Wong A, Vohra R, **Koutsogiannis Z**, Ruha AM, Dargan PI, Wood DM, Graeme K, **Greene SL**. The Global Educational Toxicology Uniting Project (GETUP): The first year of a novel educational toxicology project. *J Med Tox* 2015. 11(3):295-300.

Wong A, Little M, Andres D, Easton C, **Greene SL**. Analytical confirmed recreational use of Phenibut bought over the internet. *Clin Tox* 2015. 53(7):783-4.

Wong A, **Macleod D**, **Koutsogiannis Z**, **Robinson J**, Graudins A, **Greene SL**. Oxycodone/naloxone preparations can cause acute opioid withdrawal symptoms

following intravenous and oral exposure. *Clin Tox* 2015. 53(8): 815-818.

Wong A, Sivilotti ML, Wood D, Dargan PI, **Greene SL**. External Validation of a paracetamol-aminotransferase multiplication product used to predict hepatotoxicity in paracetamol overdose. *Clin Tox* 2015. 53(8): 807-814.

Wong A, Dargan PI, **Koutsogiannis Z**, Ramkrishna J, Sokol J, **Greene SL**. Chronic ayurvedic medicine use in pregnancy associated with fetal abnormalities. *Med J Aust* 2015; 203 (11):443-4.

Wong A, Sivilotti ML, Wood D, Dargan PI, **Greene SL**. Letter in reply - Chiew and Buckley: External Validation of a paracetamol-aminotransferase multiplication product used to predict hepatotoxicity in paracetamol overdose. *Clin Tox* 2015; 53(10):1154.

Wong A, Sivilotti ML, Wood D, Dargan PI, **Greene SL**. Letter in reply-Riggan: External Validation of a paracetamol-aminotransferase multiplication product used to predict hepatotoxicity in paracetamol overdose. *Clin Tox* 2015; 53(10):1157.

Wong A. Emergency: Real stories from the ED. Penguin Publishing 2015 (chapter contributor)

Wong A, Graudins A. Simplification of the standard three-bag intravenous acetylcysteine regimen for paracetamol poisoning results in a lower incidence of adverse drug reactions. *Clin Tox* 2015 Epub Nov 2015.

ARTICLES ACCEPTED FOR PUBLICATION – In press

Liu B, Taylor DMcD, Ling SL-Y, MacGibbon P. Non-medical needs of older patients in the emergency department
Accepted *Australas J Ageing* July 21, 2015. In press

Rotella JA, Wong A, Howell J, Rowbotham A, **Greene SL**. High-visibility warning labels on paracetamol-containing products do not prevent supratherapeutic ingestion in a simulated scenario. Accepted *Clin Tox* 2015 DOI: 10.3109/15563650.2015.1098657. In press

Wong A, Mac K, Wong J, Aneman A, Chan BS. Modern intermittent hemodialysis is an effective method of removing salicylate in chronic topical salicylate toxicity. *J Med Tox* Accepted 2015. (Epub Sep) In press

Rotella JA, Taylor McD, Wong A, Greene SL. Accuracy on QT interval measurement on ECGs displayed on electronic 'smart devices'. Accepted *Emerg Med Aust* 2015. In press

PUBLISHED ABSTRACTS

Ashok A, Taylor DMcD, Cabalag M. Determining the usefulness of laboratory investigations in the management of Supraventricular Tachycardia

- Proceedings, Uni of Melbourne Medical Student Convention. June 2015
- Research Week, Austin Health, November 2015
- Proceedings ACEM, ASM, Brisbane, November 2015

Ding J-L, Taylor DMcD, Lee M, Grover Johnson O, Ashok A, Griffiths M, Simma L, Craig S, Cheek J, Babl F. The use of Alternative Therapies among paediatric Emergency Department patients

- Proceedings, Uni of Melbourne Medical Student Convention. June 2015
- Research Week, Austin Health, November 2015
- Proceedings ACEM, ASM, Brisbane, November 2015

Evans J, Taylor DMcD, Hurrens F, Yeoh M, Howden B, Ward P. 'The effects of vapocoolant spray on skin sterility prior to intravenous cannulation'
Proceedings of the ACEM ASM, Melbourne, December 2014. *Emerg Med Australas* 2015; 27: 24

Grover Johnson O, Taylor DMcD, Lee M, Ding J-L, Ashok A, Peck D, Johnson D, Knott JC, Weinberg W. Patient satisfaction with their procedural sedation in the Emergency Department

- Proceedings, Uni of Melbourne Medical Student Convention. June 2015
- Research Week, Austin Health, November 2015
- Proceedings ACEM, ASM, Brisbane, November 2015

Hendrie J. 'Arrival Density is associated with incidents and adverse events in the emergency department' Proceedings ACEM, ASM, Brisbane, November 2015

Lee M, Taylor DMcD, Ugoni A. Vital sign and vital sign patterns in predicting adverse outcomes among Emergency Department patients

- Proceedings, Uni of Melbourne Medical Student Convention. June 2015
- Research Week, Austin Health, November 2015
- ACEM, ASM, Brisbane, November 2015. Finalist 'Best Paper by a Fellow'

Mora J, Schneider A, Robbins R, Bailey M, **Bebee B** et al. Epidemiology of early Rapid Response Team activation after Emergency Department admission. Accepted May 4 2015 *Aust Emerg Nurs J* - In press

Hendrie J, Yeoh M, Richardson J, Blunt A, Davey P, Taylor DMcD. Variables associated with Incidents and Adverse Events in the Emergency Department

- Research Week, Austin Health, November 2015
- Proceedings ACEM, ASM, Brisbane, November 2015

Ling S, Taylor DMcD, Robinson J. 'The Nature and Outcomes of Workplace Chemical and Toxins Exposures as reported to the Victorian Poisons Information Centre.'

Proceedings of the ACEM ASM, Melbourne, December 2014. *Emerg Med Australas* 2015; 27: 24

Lippmann J, **Taylor DMcD**, Mitchell S. 'Important medical co-morbidities: their impact on the practices of recreational scuba divers'
Proceedings of the ACEM ASM, Melbourne, December 2014. *Emerg Med Australas* 2015; 27: 49

Liversidge XL, Taylor DMcD, Liu B, Ling S, Taylor SE. 'The association between provision of 'adequate analgesia' to emergency department paediatric patients and parent satisfaction'
Proceedings of the ACEM ASM, Melbourne, December 2014. *Emerg Med Australas* 2015; 27: 24

Liu B, Taylor DMcD, Liversidge XL, Ling S. 'Identifying the special psychological needs of elderly patients in the emergency department'
Proceedings of the ACEM ASM, Melbourne, December 2014. *Emerg Med Australas* 2015; 27: 49

Rotella JA, Wong A, Howell J, Robotham A, Greene SL. High-visibility warning labels on paracetamol containing products do not prevent supratherapeutic ingestion. *Clin Tox* May 2015. 53(4): 233-403.

Rotella JA, Taylor D, Wong A, Greene SL. Accuracy of QT interval measurements on electronic 'smart' devices. Proceedings of ACEM Winter Symposium 2015.

Taylor DMcD, Lee M, Grover Johnson O, Ding J-L, Ashok A. Patient satisfaction with their pain management: The effect of provision of pain management advice

- Research Week, Austin Health, November 2015
- Proceedings ACEM, ASM, Brisbane, November 2015

Taylor DMcD for the TARGET investigators. 'Best-practice Pain Management in the ED: a multi-centre, cluster-randomised, controlled, clinical intervention trial.'
Proceedings of the ACEM ASM, Melbourne, December 2014. *Emerg Med Australas* 2015; 27

Taylor DMcD. VARIETY - development of an international observational study of selection bias in convenience sampling and patient load/workforce balance
Proceedings ACEM, ASM, Brisbane, November 2015

Taylor DMcD. Implementation of the recommendations from the ACEM Foundation Research Forum. Proceedings ACEM, ASM, Brisbane, November 2015

Wijeratna M, Evans M, **Taylor DMcD**, Hoy G. The mid-term clinical and radiological results of an all-polyethylene pegged bone-ingrowth glenoid component.

- Proceedings of the American Academy of Orthopedic Surgeons, Annual Meeting, Las Vegas, USA. March 2015
- Proceedings of the 16th EFORT Congress, Prague. May 2015
- Proceedings of the British Elbow and Shoulder Society conference, Sheffield. June 2015
- Proceedings of the European Society for Surgery of the Shoulder and the Elbow conference, Milan. September 2015

Wong A, Macleod D, Koutsogiannis Z, Robinson J, Graudins A, Greene SL. Oxycodone/naloxone preparations can cause acute opioid withdrawal symptoms following intravenous and oral exposure. *Clin Tox* May 2015. 53(4): 233-403.

Wong A, Little M, Caldicott D, Easton C, Andres D, Greene SL. Multiple intensive care admissions associated with analytically confirmed recreational use of phenibut purchased over the Internet. *Clin Tox* May 2015. 53(4): 233-403.

Wong A, Sivilotti MA, Dargan PI, Wood DM, Greene SL. External validation of the paracetamol-aminotransferase multiplication product to predict hepatotoxicity from paracetamol overdose. *Clin Tox* May 2015. 53(4): 233-403.

Wong, A, Mac K, Aneman A, Wong J, Chan BS. Modern intermittent haemodialysis (IHD) is an effective method of removing salicylate in chronic topical salicylate toxicity. *Clin Tox* May 2015

Wong A, Vohra R, Koutsogiannis Z, Ruha AM, Dargan PI, Wood DM, Graeme K, Greene SL. The Global Educational Toxicology Uniting Project (GETUP). *Clin Tox* May 2015. 53(4): 233-403.

Wong A, Vohra R, Koutsogiannis Z, Ruha AM, Dargan PI, Wood DM, Graeme K, Greene SL. The Global Educational Toxicology Uniting Project (GETUP): The First Year of a Novel educational toxicology project. Proceedings of TAPNA, NSW May 2015.

Wong A. Video conferencing for Global Toxicology education. Proceedings APAMT Conference, Perth 2015.

Wong A, Dargan PI, Koutsogiannis Z, Greene SL. Chronic ayurvedic medicine use in pregnancy associated with fetal abnormalities. *Clin Tox* 2015. 53(4): 233-403.

CONFERENCE/SEMINAR ORAL PRESENTATIONS BY ED STAFF

- Gaber M.** Mitochondrial paralysis and pancytopenia from massive paracetamol ingestion. TAPNA toxicology conference, May 2015, Sydney, Australia.
- Greene S.** An Educational Intervention Delivered By A Clinical Champion Improves Oxycodone Prescribing In The Emergency Department. ACEM Annual Scientific Meeting, Brisbane, November 2015
- Hendrie J.** ‘Arrival Density is associated with incidents and adverse events in the emergency department’ ACEM Annual Scientific Meeting, Brisbane, November 2015
- Lee V.** ‘Factors Impacting On Mini-cex Assessor Judgements In Australian And New Zealand Emergency Departments: A Mixed Methods Exploratory Study’ ACEM Annual Scientific Meeting, Brisbane, November 2015
- Rotella JA.** High-visibility warning labels on paracetamol-containing products do not prevent supratherapeutic ingestion. EAPCCT Conference, Malta, May 2015
- Taylor D.** ‘The use of Alternative Therapies among paediatric Emergency Department patients’ (free paper) ACEM Annual Scientific Meeting, Brisbane, November 2015
- Taylor D.** ‘Patient satisfaction with their procedural sedation in the Emergency Department’ (free paper) ACEM Annual Scientific Meeting, Brisbane, November 2015
- Taylor D.** ‘Determining the usefulness of laboratory investigations in the management of Supraventricular Tachycardia’ (free paper) ACEM Annual Scientific Meeting, Brisbane, November 2015
- Taylor D.** ‘Vital sign and vital sign patterns in predicting adverse outcomes among Emergency Department patients’ (free paper) ACEM Annual Scientific Meeting, Brisbane, November 2015
Finalist for the ‘Best Presentation by a Fellow’ award
- Taylor D.** ‘Patient satisfaction with their pain management: The effect of provision of pain management advice’ (free paper) ACEM Annual Scientific Meeting, Brisbane, November 2015
- Taylor D.** ‘VARIETY - development of an international observational study of selection bias in convenience sampling and patient load/workforce balance’ (Invited speaker) ACEM Annual Scientific Meeting, Brisbane, November 2015
- Taylor D.** ‘Implementation of the recommendations from the ACEM Foundation Research Forum’ (Invited speaker). ACEM Annual Scientific Meeting, Brisbane, November 2015

Taylor D. 'IFEM Research Committee Activity 2014-15'. Report to the International Federation for Emergency Medicine Assembly. ACEP Scientific Assembly. Boston, USA. October 2015

Taylor D. 'Critical Appraisal: The effects of aspirin on pruritus'
Fundamentals of Research Seminar. Austin Health. August 19, 2015

Taylor D. 'Research Terminology: Language for the road'
Fundamentals of Research Seminar. Austin Health. August 19, 2015

Taylor D. 'Why a research protocol is important: Configuring your itinerary'
Fundamentals of Research Seminar. Austin Health. August 19, 2015

Wong A. Chronic ayurvedic medicine use in pregnancy associated with fetal abnormalities. EAPCCT Conference, Malta, May. 2015

Wong A. Modern intermittent haemodialysis (IHD) is an effective method of removing salicylate in chronic topical salicylate toxicity. EAPCCT Conference, Malta, May 2015

Wong A. Clinical Pearls from the Tox World, Austin Toxicology Forum April 2015, Austin Hospital Melbourne.

Wong A. Oxycodone/naloxone preparations can cause acute opioid withdrawal symptoms following intravenous and oral exposure (invited speaker). EAPCCT Toxicology Conference, Malta, May 2015.

Wong A. Multiple intensive care admissions associated with analytically confirmed recreational use of phenibut purchased over the Internet (invited speaker). EAPCCT Toxicology Conference, Malta, May 2015.

Wong A. External validation of the paracetamol-aminotransferase multiplication product to predict hepatotoxicity from paracetamol overdose (Young Investigator Awards invited speaker). EAPCCT Toxicology Conference, May 2015 Malta.

Wong A. The Global Educational Toxicology Uniting Project (GETUP). EAPCCT Toxicology Conference, May 2015. Invited speaker, Malta.

Wong A. Video conferencing for Global Toxicology Education (invited speaker). Asia and Pacific Association of Medical Toxicology Conference, December 2015, Perth, Australia.

CONFERENCE/SEMINAR POSTER PRESENTATIONS BY ED STAFF

Ashok A, Taylor DMcD, Cabalag M

‘Determining the usefulness of laboratory investigations in the management of Supraventricular Tachycardia’

- University of Melbourne Medical Student Convention. June 2015
- Research Week, Austin Health, November 2015

Conley S. ‘Evaluating patient experience of and access to Nurse Practitioners (NP) and candidates(NPc) in the Emergency Department at Austin Health – a pilot study.’ 6th Australian Emergency Nurse Practitioner Symposium, Melbourne. September 2015

Ding J-L, Taylor DMcD, Lee M, Grover Johnson O, Ashok A, Griffiths M, Simma L, Craig S, Cheek J, Babl F

‘The use of Alternative Therapies among paediatric Emergency Department patients’

- University of Melbourne Medical Student Convention. June 2015
 - Research Week, Austin Health, November 2015
- shortlisted for the Clinical Dean’s Best Scholarly Selective Poster Prize

Donaldson S, Harding A, Taylor S, Koutsogiannis Z, Greene S. ‘An educational intervention delivered by a clinical champion improves oxycodone prescribing in the Emergency Department’

- Research Week, Austin Health, November 2015
- Medicines Management, The 41st SHPA National Conference, Dec 2015

Ferma M. The Nurse Practitioner journey from Clinical Practice guidelines to Scope of Practice. ACNP conference, Melbourne. October 2015.

Grover Johnson O, Taylor DMcD, Lee M, Ding J-L, Ashok A, Peck D, Johnson D, Knott J, Weinberg L

‘Patient satisfaction with their procedural sedation in the Emergency Department’

- University of Melbourne Medical Student Convention. June 2015
 - Research Week, Austin Health, November 2015
- shortlisted for the Clinical Dean’s Best Scholarly Selective Poster Prize

Hendrie J, Yeoh M, Richardson J, Blunt A, Davey P, Taylor D McD.

‘Variables associated with Incidents and Adverse Events in the Emergency Department’

Research Week, Austin Health, November 2015

Lee M, Taylor DMcD, Ugoni A

‘Vital sign and vital sign patterns in predicting adverse outcomes among Emergency Department patients’

- University of Melbourne Medical Student Convention. June 2015
- Research Week, Austin Health, November 2015

Rotella JA, Wong A, Howell J, Robotham A, Greene SL. High-visibility warning labels on paracetamol containing products do not prevent supratherapeutic ingestion.

EAPCCT Toxicology Conference, May 2015, Malta.

Taylor DMcD, Lee M, Grover Johnson O, Ding J-L, Ashok A. 'Patient satisfaction with their pain management: The effect of provision of pain management advice' Research Week, Austin Health, November 2015

Wong A, Dargan PI, Koutsogiannis Z, Ramkrishna J, Sokol J, Greene SL. Chronic ayurvedic medicine use in pregnancy associated with fetal abnormalities. EAPCCT Toxicology Conference, May 2015, Malta.

Wong A, Vohra R, Koutsogiannis Z, Ruha AM, Dargan PI, Wood DM, Graeme K, Greene SL. The Global Educational Toxicology Uniting Project (GETUP): The First Year. TAPNA toxicology conference (poster), May 2015, Sydney, Australia.

Wong, A, Mac K, Aneman A, Wong J, Chan BS. Modern intermittent haemodialysis (IHD) is an effective method of removing salicylate in chronic topical salicylate toxicity, EAPCCT Toxicology Conference, May 2015 Malta.

Wong A, Vohra R, Koutsogiannis Z, Ruha AM, Dargan PI, Wood DM, Graeme K, Greene SL. The Global Educational Toxicology Uniting Project (GETUP). EAPCCT Toxicology Conference, May 2015. Invited speaker and Poster, Malta.

PRIZES

Ding J-L, Taylor DMcD, Lee M, Grover Johnson O, Ashok A, Griffiths M, Simma L, Craig S, Cheek J, Babl F

Shortlisted for the Clinical Dean's Best Scholarly Selective Poster Prize

'The use of Alternative Therapies among paediatric Emergency Department patients'
Research Week, Austin Health, November 2015

Donaldson S, Harding A, Taylor SE, Koutsogiannis Z, Greene S.

Shortlisted for Nursing Research Award:

'An educational intervention delivered by a clinical champion improves oxycodone prescribing in the Emergency Department'

Research Week, Austin Health, November 2015

Grover Johnson O, Taylor DMcD, Lee M, Ding J-L, Ashok A, Peck D, Johnson D, Knott J, Weinberg L

Shortlisted for the Clinical Dean's Best Scholarly Selective Poster Prize

'Patient satisfaction with their procedural sedation in the Emergency Department'

Research Week, Austin Health, November 2015

Hendrie J

Finalist: Best Paper by a Fellow. 'Variables associated with incidents and adverse events in the Emergency Department' 2015 ACEM, Annual Scientific Meeting (Brisbane)

Taylor D

Best Paper: Evidence into Action award The 2015 Emergency Care Institute

'Patient Satisfaction with their pain management: The effect of provision of pain management advice'. Awarded at the ACEM November 2015

Taylor D (for Marina Lee)

Finalist: Best Paper by a Fellow. 'Vital sign & vital sign patterns in predicting adverse outcomes among ED patients' 2015 ACEM, Annual Scientific Meeting (Brisbane)

Wong A.

Australian Postgraduate Award 2015-2018, Monash University.

This scholarship is awarded to the highest scoring students undertaking postgraduate research.

Wong A.

Shortlisted for the Young Investigator Award.

'External validation of the paracetamol-aminotransferase multiplication product to predict hepatotoxicity from paracetamol overdose.' EAPCCT Toxicology Conference, May 2015 Malta.

ONGOING RESEARCH PROJECTS

- The SOOTHE Study: Intravenous midazolam-droperidol (combination), droperidol (only), or olanzapine (only) for the acutely agitated patient: A multi-centred, randomised, double-blind, triple-dummy, clinical trial
- The VARIETY Study: The nature, direction and extent of selection bias associated with convenience sampling in emergency medicine research.
- The REFRESH Study: A pilot trial of restricted volume fluid resuscitation in septic shock.
- The SIESTA Study: Risk Factors Associated with Adverse Events among Patients Sedated for Acute Agitation in Emergency Departments.
- The NACSTOP Trial: Investigation of the early cessation of N-acetylcysteine after paracetamol overdose.
- Oro-dispersible olanzapine (wafer) versus conventional oral haloperidol or diazepam tablets for the management of acute agitation in the Accident and Emergency Department – a multi-centre randomised clinical trial.
- Randomised controlled trial of early antivenom administration in Australian snakebite.
- Intramuscular olanzapine versus haloperidol or midazolam for the management of acute agitation in the emergency department – a multicentre randomised clinical trial.
- Outcomes of patients with drug overdose requiring mechanical ventilation in the intensive care setting
- Severe hypertension and bradycardia secondary to midodrine overdose (case report)
- Severe prolonged posture-evoked tachycardia after massive overdose of paliperidone
- Towards improving safety and minimising risk: Development, validation and implementation of a medication-related problem risk screening tool for patients presenting to emergency departments.
- Variables associated with receipt of analgesia and prolonged times to analgesia among Emergency Department patients
- A case-control study to investigate variables associated with incidents and adverse events in the Emergency Department
- Hypotension and outcomes in the Emergency Department

- Accuracy of Cone Beam CT for Scaphoid Trauma compared to Plain X-Ray and MRI
- The use of Alternative Therapies among Paediatric Emergency Department Patients
- Patient Satisfaction with Procedural Sedation in the Emergency Department
- The usefulness of laboratory investigations in the management of Supraventricular Tachycardia
- The association between vital signs and vital sign patterns and undesirable patient outcomes
- Perspective: Informed consent in emergency care research: An oxymoron?
- Patients' Perceptions and Experiences of Therapeutic Sedation During a Behavioural Emergency in the Emergency Department: A Qualitative Exploratory Study
- Acute Decompensated Heart Failure Precipitation among hospital inpatients: Incidence, Causes and Outcomes
- The use of Alternative Therapy among Emergency Department Patients
- Outpatient asthma management of Emergency Department patients: compliance with national consensus guidelines
- The usefulness of information sources used to determine an accurate medication history in the Emergency Department
- Diagnostic impact of a targeted type 2 diabetes mellitus screening protocol in emergency departments: a multisite study
- Adherence to national exercise guidelines by patients attending emergency departments: A multisite survey
- Assessing the impact of pre-existing medical conditions on scuba diving activities and safety
- An epidemiological study of rapid sequence intubation in out-of-hospital non-traumatic brain injuries
- The mid-term clinical and radiological results of an all-polyethylene pegged bone-ingrowth glenoid component
- Reliability of the radiological assessment of the glenoid track
- The TARGET Pain Study – Lessons from a painful marathon

MAJOR RESEARCH COLLABORATION PARTNERS

- Diver Alert Network (Asia-Pacific)

- Austin Health departments
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 - Anaesthesia
 - Intensive Care
 - Radiology
 - Victorian Poisons Information Centre
 - Respiratory Medicine
 - General Medicine
 - Cardiology
 - Oncology

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