

NURSING RESEARCH INSTITUTE ANNUAL REPORT 2013

The Nursing Research Institute (NRI) is a joint organisation between St Vincent's and Mater Health Sydney (SV&MHS) and the Australian Catholic University. Launched in 2009, based at St Vincent's Hospital Sydney, the Nursing Research Institute facilitates nurse-led, clinically focused, patient outcome-oriented multidisciplinary research in healthcare.

OUR VISION

Our vision is to create a world-class centre of excellence in nurse-led multidisciplinary and health services research with the aim of improving patient care and health service delivery.

OUR MISSION

Our mission is to make a positive impact on patient well-being and health service effectiveness and efficiency through:

- Conducting high quality, nurse-led multidisciplinary and related health research with a particular focus on improving health outcomes and research transfer
- Building research capacity through training and mentoring research students, clinicians and career researchers
- Advising, collaborating and consulting on key issues and challenges relating to multidisciplinary health research with the health industry, clinicians, government and consumers
- Creating and sustaining a collegiate, supportive and high performance research culture at the NRI that is attractive to the best researchers and research students

WELCOME MESSAGE

The Nursing Research Institute (NRI) achieved yet another successful year in 2013 with new funding, new health research projects and new faces that support the ongoing achievement of our strategic goals. Our clinically based, patient outcome-oriented multidisciplinary research collaboration between Australian Catholic University (ACU) and St Vincent's and Mater Health Sydney (SV&MHS) continues to bridge the worlds of academia and clinical practice.

Valediction and best wishes were expressed to three key members of our governing bodies all moving onto new endeavours - Mr Jonathon Anderson the Chief Executive Officer (CEO) of St Vincent's Hospital Sydney and Chair of the NRI Steering Committee, Adjunct Professor Maeve Tumulty the Director of Nursing and Patient Care of St Vincent's Hospital and member on both the NRI Steering and Management Committees and Ms Justine Benfield the Executive Officer of the NRI also a member on both Committees. We would like to take this opportunity to thank them for all their dedication, involvement and ongoing support of the NRI. We welcomed Mr Steve Bernardi as new Acting Director of Nursing and Patient Care at St Vincent's Hospital and Ms Patty Zenonos as the NRI Executive Officer. Additionally, the NRI welcomed new administration and research staff to assist with the growing number of research projects plus a visiting nursing student from Germany, who independently sought out the NRI for a research placement as our international reputation continues to precede us.

In 2013, researchers and clinicians were conducting 21 research projects nationally and internationally. Key projects for 2013 included the Quality in Acute Stroke Care (QASC) Implementation Project funded by the Agency for Clinical Innovation (ACI). This innovative, large scale, collaborative quality improvement project implemented and evaluated the impact of facilitated introduction of fever, hyperglycaemia and swallowing protocols in all 36 NSW stroke services within a fast-paced 14-month time frame. This project demonstrated how strategic collaborations between industry, academia and professional bodies can work together to translate research into the real world of clinical practice. Other completed key projects involving SV&MHS and reflecting their clinical priorities included investigation of clinician views of innovative strategies to improve hand hygiene compliance, and patient views of their role in pressure injury prevention.

Overall, we are honoured to present the projects and outputs of the NRI for 2013 which reflects our ongoing dedication to research excellence and to the dissemination and translation of this work to inform policy and practice. Again we would like to acknowledge the ongoing commitment from SV&MHS and the ACU and their continuing support of the NRI's efforts to achieve our vision for improving patient outcome and care.

Sincerely,



Professor
Sandy Middleton
*Director, Nursing
Research Institute*



Associate Professor
Liz McInnes
*Deputy Director, Nursing
Research Institute*

Governance

STEERING COMMITTEE

The SV&MHS ACU Nursing Research Institute (NRI) is governed by a Steering Committee that in 2013 was comprised of the members below. This group meets twice a year to agree on and monitor the strategic directions of the NRI as well as appraise the performance of the directors.

Mr Jonathon Anderson (January – October), Chair	Chief Executive Officer, St Vincent's Hospital
Dr Brett Gardiner (October - December)	Acting Chief Executive Officer, St Vincent's and Mater Health Sydney
Adjunct Professor Maeve Tumulty (January – October)	Director of Nursing & Patient Care, St Vincent's Hospital
Mr Steve Bernardi (October – Current)	Acting Director of Nursing & Patient Care, St Vincent's Hospital
Adjunct Professor Jose Aguilera	Director of Nursing & Clinical Services, St Vincent's Private Hospital
Ms Leanne Laidler	Director of Nursing & Clinical Services, The Mater Hospital
Professor Judy Lumby	Emeritus Professor University of Technology Sydney, Honorary Professor University of Sydney and University of Adelaide
Professor Michelle Campbell	Executive Dean, Faculty of Health Sciences, Australian Catholic University
Professor Patrick Heaven	Dean of Research , Australian Catholic University
Professor Sandy Middleton	Director, Nursing Research Institute
Associate Professor Liz McInnes	Deputy Director, Nursing Research Institute
Ms Justine Benfield	Executive Officer, Nursing Research Institute (replaced by Patty Zenonos in May 2013)
Ms Patty Zenonos	Executive Officer, Nursing Research Institute (from May 2013)
Mrs Tara Doyle	Personal Assistant to the Director, Nursing Research Institute (from May 2013)

MANAGEMENT COMMITTEE

In addition, the SV&MHS ACU NRI is supported by a management committee comprised of the members below. This group meets three times a year to discuss the ongoing management of the NRI.

Professor Mary Courtney, Chair	Head of School, Nursing, Midwifery and Paramedicine Faculty of Health Sciences, Australian Catholic University
Adjunct Professor Maeve Tumulty (January – October)	Director of Nursing & Patient Care, St Vincent's Hospital
Mr Steve Bernardi (October – Current)	Acting Director of Nursing & Patient Care, St Vincent's Hospital
Adjunct Professor Jose Aguilera	Director of Nursing & Clinical Services, St Vincent's Private Hospital
Adjunct Professor John Geoghegan	Director of Nursing & Operations, St Joseph's Hospital
Ms Leanne Laidler	Director of Nursing & Clinical Services, The Mater Hospital
Ms Rose McMaster	Acting State Head of School, Nursing, Midwifery & Paramedicine, NSW Faculty of Health Sciences, Australian Catholic University
Professor Sandy Middleton	Director, Nursing Research Institute
Associate Professor Liz McInnes	Deputy Director, Nursing Research Institute
Ms Justine Benfield	Executive Officer, Nursing Research Institute (replaced by Patty Zenonos in May 2013)
Ms Patty Zenonos	Executive Officer, Nursing Research Institute (from May 2013)
Mrs Tara Doyle	Personal Assistant to the Director, Nursing Research Institute (from May 2013)

Our Staff and Students

NRI RESEARCH STAFF

 <p>Ms Simeon Dale Clinical Research Fellow Triage, Treatment and Transfer of patients with stroke in Emergency Departments (T³) Trial Project Manager</p>	 <p>Dr Cintia Martinez -Garduno Research Assistant</p>
 <p>Dr Anna Lydtin Quality in Acute Stroke Care (QASC) Implementation Project Coordinator</p>	 <p>Ms Rosemary Phillips Diabetes Case Detection through Emergency Department Admissions Research Officer T³ State Coordinator Research Assistant</p>
 <p>Ms Larissa Collins T³ State Coordinator EDPRAC Study Project Officer</p>	 <p>Ms Majella McCarthy EDPRAC Study Project Officer</p>
 <p>Mrs Kelly Coughlan Stroke Survivorship Project Research Assistant</p>	 <p>Mr Dominik Bruch Research Assistant, NRI International Visiting Scholar and Student Nurse, University of Bremen, Germany</p>
 <p>Ms Therese Fletcher T³ State Coordinator Research Assistant</p>	 <p>Ms Asmara Jammali-Blasi Research Assistant</p>

NRI HIGHER RESEARCH DEGREE STUDENTS




 <p>Ms Jane Allnutt (PhD) Thesis Title: Exploring the nurse practitioner service in New South Wales</p>	 <p>Ms Peta Drury (PhD) Thesis Title: Evaluating the effect of a complex behaviour change intervention to improve the management of fever, hyperglycaemia and dysphagia in acute stroke patients</p>
 <p>Ms Serena Knowles (PhD) Thesis Title: Improving clinical practice in intensive care: Implementation of an evidence based practice guideline</p>	 <p>Ms Rose McMasters (PhD) Thesis Title: Evaluation of a day-time drop-in support centre for women who are homeless or at risk of homelessness</p>



NRI CLINICIAN RESEARCHERS

 <p>Ms Fiona Bailey – St Vincent’s Hospital Examining the management of reported medication incidents in an acute care hospital</p>	 <p>Mr Paul Morgan – The Mater Hospital Implementation of a patient blood management program in an Australian private hospital orthopaedic unit: A pilot study</p>
 <p>Mr Graham Carter – The Mater Hospital What are the barriers and enablers to using whiteboards in an acute hospital setting? A mixed-methods study</p>	 <p>Ms Sally Sutherland-Fraser – St Vincent’s Hospital Surgical Patients’ Pressure Injury Incidence (SPPII) study</p>
 <p>Ms Jane Rodgers – St Vincent’s Hospital Pressure ulcer prevention and management – an observational study of nursing (TROPS)</p>	 <p>Ms Alex Joyner – The Mater Hospital Examining the characteristics of medication incidents at a medium sized metropolitan hospital</p>
 <p>Mrs Edel Murray – St Vincent’s Private Hospital Pressure ulcer prevention and management – an observational study of nursing (TROPS)</p>	

NRI ADMINISTRATION STAFF

 <p>Ms Justine Benfield Executive Officer (until May 2013)</p>	 <p>Ms Patty Zenonos Executive Assistant (until May 2013) Executive Officer (from May 2013)</p>
 <p>Mrs Tara Doyle Personal Assistant to Director, Nursing Research Institute (from May 2013)</p>	



Some Highlights

NRI RESEARCH WORKSHOP



Panel discussion: Preparing for ethics submission – tips from experienced researchers with Professor Jane Phillips, Professor Anne Gardner, A/Professor Liz McInnes and Simeon Dale.

NRI 'Going into research with your eyes wide-open' Research Skills Workshop

The workshop was held at the St Vincent's Clinic Function Room with multidisciplinary participants from all of SV&MHS campuses. Guest presenters included Professor Jane Phillips, Professor Palliative Nursing from Sacred Heart/Notre Dame; Dr Tim Lockett, a Research Fellow from University of Technology Sydney (UTS), Professor Jenifer



Presenter: Professor Jo-anne Brien, Human Research Ethics Committee (HREC) Chair and Professor of Clinical Pharmacy, St Vincent's Hospital presenting 'Ethics approval and governance: What you need to know.'

Peat, a biostatistician from ACU and Professor Jo-Anne Brien, Human Research Ethics Committee (HREC) Chair, St Vincent's Hospital Sydney. Topics such as the critical steps in planning research, mixed-methods research and the process of applying for ethics approval were received with positive feedback from all in attendance. The final closing address from Professor Anne Gardner about a successful clinician researcher she had mentored was extremely well received.

RESEARCH WEEK & THE 21ST ANNUAL SV&MHS RESEARCH SYMPOSIUM

The NRI was part of the research week planning committee along with research centres from all St Vincent's campuses, which organised a successful week of interactive information displays including a stand by the NRI. The week closed with **The 21st Annual SV&MHS Research Symposium** attracting over 150 participants.



Dominik Bruch, Simeon Dale and Anna Lydtin at the NRI Research Week stand.

This year's Symposium was titled '*Imagine, translate and collaborate – integrating research excellence*'. Professor Sandy Middleton gave a 'Fast Forward' presentation (brief two minute presentation) about the T³ Trial with an accompanying poster which won the Beckman Coulter Prize for Outstanding Poster Presentation. In addition, the NRI had two other posters at this Symposium, the QASC Implementation Project and a poster presenting research undertaken by A/Prof McInnes and Rosemary Phillips titled: '*The views of senior hospital manager on innovative strategies to improve hand hygiene adherence*'.



Simeon Dale, Dominik Bruch, Anna Lydtin and Rosemary Phillips proudly displaying our research at the 21st annual St Vincent's and Mater Health Sydney (SV&MHS) Research Symposium.

Research Projects (STARTING AND CONTINUING IN 2013)

KEY: NRI staff in **bold**
Presenting author underlined when not NRI staff
SV&MHS clinicians underlined in orange

Implementing guidelines: An evaluation of the international uptake of the QASC Fever, Sugar, Swallowing protocols and implementation resources

Middleton S, Bruch D, Martinez-Garduno C, Dale S.

Quality in Acute Stroke Care (QASC) Implementation Project

Middleton S, Lydtin A, Dale S on behalf of the QASC Implementation Project Group.

Emergency Department Nurse Practitioner Project

Gardner G, Gardner A, **Middleton S**, Considine J, Hurst C, Della P, Fitzgerald G.

Very Early Rehabilitation in SpEEch (VERSE): The development of an Australian randomized controlled trial of aphasia therapy after stroke
 Godecke E, Armstrong E, Bernhardt J, **Middleton S**, Rai T, Holland A, Cadilhac D, Whitworth A, Rose M, Ciccone N, Hankey GJ.

The PELICAN study: Progress of a trial of early intervention for Chronic Obstructive Pulmonary Disease by practice nurse and GP teams
 Zwar N, **Middleton S**, Reddel H, Bunker J, Crockett A, Dennis S, van Schayck CP, Liaw T, Vagholkar S, Hermiz O, Hasan I.

T³ Trial Triage Treatment and Transfer of patients with acute stroke in Emergency Departments

Middleton S, Levi C, Fitzgerald M, Considine J, Grimshaw J, D'Este C, Gerraty R, Cheung W, Cadilhac D, **McInnes E**. Associate Investigators: Quinn C, Cadigan G, Ward J, Longworth M, McElduff P, **Dale S**, Denisenko S.

INTroducing A Care bundle To prevent pressure injury (the INTACT trial)

Chaboyer W, Bucknall T, Webster J, **McInnes E**, Banks, M, Whitty J, Wallis M, Gillespie B, Thalib L, Cullum N.

STROKE123: A collaborative national effort to monitor, promote and improve the quality of stroke care in hospitals and patient outcomes
 Cadilhac D, Anderson C, Donnan G, Levi C, Thrift A, **Middleton S**, Lannin N, Faux S, Sundararajan V, Grimley R.

The Out-and-About Trial: Improving quality of life by increasing outdoor journeys after stroke

McCluskey A, Ada L, **Middleton S**, Goodall S, Grimshaw J, Kelly P.

Stroke Survivorship: Mortality and health related outcomes of the Quality in Acute Stroke Care (QASC) study participants and their care-givers

Choy N, **Middleton S**, Courtney M, Hiller J, Cole M, Dorsch S, **Dale S**, **Coughlan K, Jammali-Blasi A.**

TIA Rapid Assessment Clinic (TIARA) Evaluation

Turner A, Weir L, Davis S, Hand P, Worcester M, **Middleton S.**

Evaluation of a Housing Support Program (HSP) for People Who Are at Risk of Homelessness

McMaster R, McInnes E, Middleton S, Hawley R.

Exploring the Nurse Practitioner (NP) Service in New South Wales

Allnut J, McInnes E, Middleton S, Hawley R.

Examining the characteristics of medication incidents at a medium sized metropolitan hospital

Joyner A, Middleton S, Laidler L, McInnes E.

Barriers and enablers to using whiteboards in an acute hospital setting. A mixed-methods study

McInnes E, Middleton S, Brown M, Carter G, Laidler L, Martinez-Garduno C.

Implementation of a Patient Blood Management Program (PBMP) in a private hospital orthopaedic unit in Australia

McInnes E, Middleton S, Morgan P, Brown M, Laidler L, Martinez-Garduno C.

Use of multiple or single subcutaneous intima lines in the palliative care unit.

Davis L, Geoghegan J, McInnes E, Middleton S, Martinez-Garduno C.

Pressure ulcer prevention and management – an observational study of nursing (TROPS)

McInnes E, O'Brien M, Webber L, Whalen S, Murray E.

Improving Clinical Practice in ICU: Implementation of an Evidenced Based Practice Guideline

Knowles S, Middleton S, Hardy J, Elliott D, McInnes E.

Improving hand hygiene practice: identifying behavioural, attitudinal and organisational factors using an error typology framework

McInnes E, Middleton S, Quoyle C, Gould D.

Examining the Management of Reported Medication Incidents in an Acute Care Hospital

Bailey F, Middleton S, McInnes E, Elliott D.

Surgical Patients' Pressure Injury Incidence (SPPII) study

Sutherland-Fraser S, Rodgers J, McInnes E, Martinez-Garduno C.

Patients perceived role in pressure ulcer prevention and management
McInnes E, Martinez-Garduno C, O'Brien M, Webber L, Murray E.



Grants awarded

KEY: NRI staff in bold

Presenting author underlined when not NRI staff

SV&MHS clinicians underlined in orange

Armstrong E, Godeke E, Bernhardt J, **Middleton S**, Rai T, Holland A. Very Early Rehabilitation in SpEech: An RCT of aphasia therapy after stroke. National Health & Medical Research Council Project Grant 2013. **Total funds awarded: \$742,000.**

Middleton S, Ward J, Levi C, Grimshaw J, D'Este C, Cheung W, Cadilhac D, Dale S, Quinn C, Drury P, O'Brien L. Quality in Acute Stroke Care (QASC) implementation program. Agency for Clinical Innovation 2013. **Total funds awarded \$261,250.**

Watkins C, Robinson T, Barer D, Roffe C, Price C, Emsley H, Hackett M, **Middleton S**, Anderson C, Leathley M, Sutton C, Gordon C, Williams J, Lightbody L, Boaden E. Feasibility of Head Position in Stroke Trial UK (HeadPoST UK). National Institute of Health Research Stroke Research Network (Portfolio Development Funding) 2013. **Total funds awarded: £2,350.**

Middleton S, Cadilhac D, Alexandrov A, Watkins C, **McInnes E**. ACU Research Program Grant: ACU International Stroke Research Collaborative: ACU-ISReC 2013. **Total funds awarded: \$2,899,428.**

Sutherland-Fraser S, Rodgers J, **McInnes E**, **Martinez-Garduno C**. Surgical Patients' Pressure Injury Incidence (SPPII) study. St Vincents Clinic Foundation Research Grant. **Total funds awarded: \$25,000.**

Chaboyer W, Bucknall T, Webster J, **McInnes E**, Banks, M, Whitty J, Wallis M, Gillespie B, Thalib L, Cullum N. INtroducing A Care bundle To prevent pressure injury (the INTACT trial). NHMRC Research Project Grant 2013. **Total funds awarded: \$1,071,076.50.**

Peer Reviewed Publications

PUBLISHED

Duff J, Walker K, Omari A, **Middleton S**, **McInnes E**. Educational Outreach Visits to improve nurses' use of mechanical venous thromboembolism prevention in hospitalised medical patients: A prospective before-and-after intervention study. *Journal of Vascular Nursing* 2013; 31(4):139-149.

McInnes E, Chaboyer W, **Allen T**, Murray E, Webber L. Acute care patient mobility patterns and documented pressure injury prevention – an observational study and survey. *Wound Practice and Research* 2013; 21(3):116-125.

McInnes E, **Jammali-Blasi A**, Dumville J, Bell-Syer S, Cullum, N. Treating pressure ulcers - are pressure-redistributing support surfaces effective? A systematic review and meta-analysis. *International Journal of Nursing Studies* 2013; 50:419-430.

Schadewaldt V, **McInnes E**, Gardner A, Hiller J. Views and experiences of nurse practitioners and medical practitioners with collaborative practice in primary health care - an integrative review. *BMC Family Practice* 2013; 14:132.

Schadewaldt V, Gardner A, **McInnes E**, Hiller J. Investigating characteristics of collaboration between nurse practitioners and medical practitioners in primary health care: A mixed methods multiple case study protocol. *Journal of Advanced Nursing* 2013; Published online: 20 October 2013.

Duff J, Omari A, **Middleton S**, **McInnes E**, Walker K. Educational outreach visits to improve venous thromboembolism prevention in hospitalised medical patients: a prospective before-and-after intervention study. *BMC Health Services Research* 2013; 13:398.

Drury P, Levi C, **McInnes E**, Hardy J, Ward J, Grimshaw J, D'Este C, Dale S, **McElduff P**, Cheung NW, Quinn C, Griffiths R, Evans M, Cadilhac D, **Middleton S**. Management of fever, hyperglycaemia and swallowing dysfunction following acute stroke admission in New South Wales (NSW) Australia. *International Journal of Stroke* 2013; Published online 12 November 2013.

McMaster R, **Jammali-Blasi A**, Noorgaard K, **McInnes E**. A survey of the research goals and support needs of mental health consultation liaison nurses. *International Journal of Mental Health Nursing* 2013; 22:154-161.

Ferguson C, Inglis SC, Newton PJ, **Middleton S**, Macdonald PS, Davidson PM. Atrial fibrillation: stroke prevention in focus. *Australian Critical Care* 2013; Published online 21 Sept 2013.

Middleton S, Lyons N. In reply - Stroke care in Australia: why is it still the poor cousin of health care? Letter to the Editor. *Medical Journal of Australia* 2013; 199(3):166.

Middleton S, Rowley J, Hillege S, Hill K, Churilov L, Allnutt N. Clinical Guidelines for Acute Stroke Management: Which recommendations should remain consensus-based? *Journal of Vascular Nursing* 2013; 31:72-83.

Ahem T, Gardner A, Gardner G, **Middleton S**, Della P. Development and inter-rater reliability testing of a telephone interview training program for Australian nurse interviewers. *Nurse Education Today* 2013; 33(5):470-474.

Ferguson C, Inglis SC, Newton PJ, **Middleton S**, Macdonald PS, Davidson PM. Atrial fibrillation and thromboprophylaxis in heart failure: The need for patient centered approaches to address adherence. *Vascular Health and Risk Management* 2013; 9:3-11.

McCluskey A, Ada L, **Middleton S** Kelly PJ, Goodall S, Grimshaw J, Logan P, Longworth M, Karageorge A. Improving quality of life by increasing outings after stroke: Study protocol for the Australian Out-and-About trial. *International Journal of Stroke* 2013; 8(1):54-8.

IN PRESS

Drury P, Levi C, D'Este C, **McElduff P**, **McInnes E**, Hardy J, **Dale S**, Cheung NW, Grimshaw J, Quinn C, Ward J, Evans M, Cadilhac D, Griffiths R, **Middleton S**. Quality in Acute Stroke Care (QASC): Process evaluation of an intervention to improve the management of fever, hyperglycaemia, and swallowing dysfunction following acute stroke. *International Journal of Stroke*. In Press. Accepted 5 August 2013.

Gillespie B, Chaboyer W, **McInnes E**, Whitty J, Kent B. Repositioning for pressure ulcer prevention in adults. *Cochrane Database of Systematic Reviews*. In Press. Accepted June 2013.

Knowles S, **McInnes E**, Elliott D, Hardy J, **Middleton S**. Evaluation of the implementation of a bowel management protocol in intensive care: effect on clinician practices and patient outcomes. *Journal of Clinical Nursing*. In Press. Accepted July 2013.

Conference participation

KEY: NRI staff in bold
Presenting author underlined when not NRI staff
SV&MHS clinicians underlined in orange

McInnes E. *Pressure Injury and Falls Prevention: Research & Implications for Practice.* Nursing Research & Practice Development Centre, One Day Seminar. Sydney, 25 November 2013. ****Invited Speaker****

Reddel H, Dennis SM, Hasan I, Hermiz O, Bunker J, **Middleton S**, Van Schayck CP, Crockett AJ, Vagholkar S, Marks GB, Zwar N. *Accuracy of case-finding for COPD by Australian practice nurses.* North American Primary Care Research Group 41st Annual Meeting. Ottawa, Canada, 9-13 November 2013.

Middleton S. *The Quality in Acute Stroke Care Implementation Project – a statewide translational quality improvement project.* Catholic Health Australia Nursing & Midwifery Symposium. Sydney, 28 October 2013.

Middleton S. *Beyond QASC: Upscale and spread of a proven implementation strategy to translate evidence into practice.* Australasian Rehabilitation Nurses' Association 23rd Annual Conference. Sydney, 17-18 October 2013. **** Invited Keynote presentation ****

Knowles S, Lam LT-M, **McInnes E**, Hardy J, Elliott D, **Middleton S.** *Predictors of intensive care clinicians' behaviour intention for three bowel management practices.* Australian and New Zealand Annual Scientific Meeting on Intensive Care. Hobart, 17-19 October 2013.

Middleton S on behalf of QASC Implementation Project Team, the International Uptake of QASC Resources Project Team, T³ Trialists. *Translating evidence from research into the real world: Upscale and spread of a successful intervention.* Australian Nursing and Midwifery Conference. Newcastle, 17-18 October 2013. **** Invited Keynote presentation ****

McInnes E, **Allen T**, Murray E, Webber L. Patient views of their role in pressure injury prevention: a survey. Australian Nursing and Midwifery Conference, Newcastle Australia. 16-18 October 2013.

Middleton S, **Drury P**, **McElduff P**, **J Ward**, **Grimshaw J**, **Dale S**, **D'Este C**, **Griffiths R**, **Cheung W**, **Cadilhac D**, **Evans M**, **Quinn C**, **Levi C.** *Translating evidence in acute stroke care: The Quality in Acute Stroke Care (QASC) Trial.* 2nd Annual NHMRC Symposium on Research Translation 2013. Sydney, 2-3 October 2013.

Dale S, **Levi C**, **D'Este C**, **Grimshaw J**, **Cadilhac D**, **Considine J**, **Cheung W**, **McInnes E**, **Gerraty R**, **Fitzgerald M**, **Middleton S**, on behalf of the T³ Trialists. *Translating evidence in stroke care: The T³ Trial Protocol.* 2nd Annual NHMRC Symposium on Research Translation 2013. Sydney, 2-3 October 2013.

Lydin A, **Cadilhac D**, **Dale S**, **Hill K**, **Longworth M**, **Patterson S**, **Quinn C**, **Tinsley M**, **Wutzke S**, **D'Este C**, **Grimshaw J**, **Levi C**, **O'Brien E**, **Ryan F**, **Drury P**, **Comerford D**, **Dunne J**, **Ward J**, **Middleton S.** *From Blacktown to Broken Hill: Implementing research evidence in stroke.* 2nd Annual NHMRC Symposium on Research Translation 2013. Sydney, 2-3 October 2013.

Jammali-Blasi A, **McInnes E.** *What needs to be done to improve hand hygiene practices? A survey of hospital clinician views.* Australasian College for Infection Prevention and Control Conference. Gold Coast, 30 September-2 October 2013.

Gardner G, **Gardner A**, **Middleton S**, **Considine J**, **Della P**, **Fitzgerald G**, **Christofis L**, **Doubrovsky A**, **Adams M**, **O'Connell J.** *A national study evaluating emergency nurse practitioner service.* The 8th Conference of the Australian College of Nurse Practitioners. Hobart, 24 September 2013. [Poster].

McInnes E, **Tong A**, **Flemming K**, **Oliver S**, **Craig J.** *Enhancing transparency in reporting the synthesis of qualitative research: the ENTREQ statement - discussion and debate.* 21st Cochrane Colloquium. Quebec, Canada, 19-23 September 2013.

Ferguson C, **Inglis S**, **Newton PJ**, **Middleton S**, **MacDonald PS**, **Davidson PM.** *Stroke prevention in heart failure: time to rethink risk prediction schemes?* World Federation of Neuroscience Nurses 11th Quadrennial Congress. Gifu, Japan, 13-16 September 2013.

Godecke E, **Armstrong E**, **Bernhardt J**, **Middleton S**, **Rai T**, **Holland A**, **Cadilhac D**, **Hankey GJ**, **Whitworth A**, **Rose M**, **Ciccone N.** *Very Early Rehabilitation in SpEech (VERSE): An RCT of aphasia therapy after stroke.* British Aphasiology Symposium. Manchester, United Kingdom, 9-11 September 2013. [Poster]

Middleton S, **Levi C**, **D'Este C**, **Cadilhac D**, **Considine J**, **Cheung W**, **McInnes E**, **Dale S**, **Quinn C** on behalf of the T³ Trialists. *Translating evidence in stroke care: The Triage, Treatment and Transfer Trial Study Protocol.* 21st St Vincent's & Mater Health Sydney Research Symposium. Sydney, 6 September 2013. [Fast Forward Presentation & poster]. ****Winner Beckman Coulter Prize for Outstanding Poster Presentation ****

Middleton S. *State-wide implementation of a proven intervention to improve patient outcomes: Research translation in the real world.* Brain Health. Inaugural Scientific Symposium of the Sydney Alliance for Healthcare Research and Teaching. Sydney, 5 September 2013.

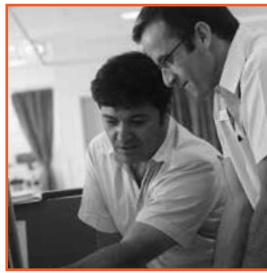
McCluskey A, **Ada A**, **Kelly PJ**, **Middleton S**, **Goodall S**, **Longworth M**, **Grimshaw J**, **Logan P**, **Karageorge A.** *Frequency of outings by recently discharged stroke survivors.* Smart Strokes 2013, 9th Australasia Nursing & Allied Health Stroke Conference. Brisbane, 22-23 August 2013.

Drury P, **McInnes E**, **Hardy J**, **Dale S**, **Middleton S.** *Organisational influences on evidence-based practice (EBP) within New South Wales acute stroke unit.* Smart Strokes 2013, 9th Australasia Nursing & Allied Health Stroke Conference. Brisbane, 22-23 August 2013.

Middleton S, **Levi C**, **D'Este C**, **Grimshaw J**, **Cadilhac D**, **Considine J**, **Cheung W**, **McInnes E**, **Dale S**, **Gerraty R**, **Fitzgerald M**, **Cadigan G**, **Denisenko S**, **Longworth M**, **McElduff P**, **Quinn C.** *T³ stroke trial protocol: Triage, treatment and transfer of patients with stroke emergency departments.* Smart Strokes 2013, 9th Australasia Nursing & Allied Health Stroke Conference. Brisbane, 22-23 August 2013.

Middleton S, **Bruch D**, **Martinez-Garduno C**, **Dale S.** *Beyond QASC: An evaluation of the international uptake of the QASC fever, sugar, swallowing protocols and implementation resources.* Smart Strokes 2013, 9th Australasia Nursing & Allied Health Stroke Conference. Brisbane, 22-23 August 2013.

Silver G, **Middleton S.** *Creation of a national Acute Stroke Nurse Education Network (ASNEN).* Smart Strokes 2013, 9th Australasia Nursing & Allied Health Stroke Conference. Brisbane, 22-23 August 2013.



Middleton S, Cadilhac D, Alexandrov AW. *Nurses as change agents to improve health outcomes following stroke.* Smart Strokes 2013, 9th Australasia Nursing & Allied Health Stroke Conference. Brisbane, 22-23 August 2013.

Godecke E, Armstrong E, Bernhardt J, **Middleton S**, Rai T, Holland A, Cadilhac D, Whitworth A, Rose M, Ciccone N, Hankey GJ. *Very Early Rehabilitation in SpEEch (VERSE): The development of an Australian randomized controlled trial of aphasia therapy after stroke.* Stroke Society of Australasia Annual Scientific Meeting 2013. Darwin, 31 July-2 August 2013.

Drury P, Middleton S, McInnes E, Dale S, Hardy J. *Nurse Unit Managers' views of organizational barriers and enablers within NSW stroke units liable to influence evidence based practice.* Stroke Society of Australasia Annual Scientific Meeting 2013. Darwin, 31 July-2 August 2013.

Middleton S Levi C, D'Este C, Grimshaw J, Cadilhac D, Considine J, Cheung N W, **McInnes E, Dale S**, Gerraty R, Fitzgerlad M on behalf of T³ Trialists. *T³ Trial Protocol: A CRCT evaluating an organisational intervention to improve Triage, Treatment and Transfer of stroke patients in ED's.* Stroke Society of Australasia Annual Stroke Meeting. Darwin, 31 July-2 August 2013. [Poster].

Middleton S, Comerford D, Dunne J, Levi C, Quinn C, Cadilhac D, **Dale S**, Longworth M, Wutze S, Tinsley M. *Quality in Acute Stroke Care (QASC) NSW State-wide Implementation Project.* Stroke Society of Australasia Annual Stroke Meeting. Darwin, 31 July-2 August 2013. P.14 [Poster].

Silver G, **Middleton S.** *Creation of a national acute stroke nurse education network.* Stroke Society of Australasia Annual Stroke Meeting. Darwin, 31 July-2 August 2013.

Co-Chairs: Silver G, **Middleton S.** *Workshop 4 – Acute Stroke Care – A National Nursing Perspective.* Stroke Society of Australasia Annual Stroke Meeting. Darwin, 31 July-2 August 2013.

Cadilhac D, Lannin N, Anderson C, Grimly R, **Middleton S**, Andrew N, Thrift A, Kilkenny M, Grabsch B, Sundararajan V, Levi C, Faux S, Lalore E, Hill K, Page M, Donnan G. *Stroke 123: Overview of a national initiative to monitor and improve stroke care.* Stroke Society of Australasia Annual Stroke Meeting. Darwin, 31 July-2 August 2013. [Poster].

Schadewaldt V, **McInnes E**, Hiller J, Gardner A. *Nurse practitioners' and medical practitioners' views on collaboration in primary health care – an integrative review.* Allies for better health care Primary Health Care Research Conference. Sydney, 10-12 July 2013.

Zwar N, **Middleton S**, Reddel H, van Schayck CP, Crockett A, Dennis S, Marks G, Bunker J, Vagholkar S, Liaw ST, Hasan I, Hermiz O. *Accuracy of Case-Finding for COPD by Practice Nurse.* Primary Health Care Research Conference. Sydney, 10-12 July 2013.

McInnes E, Phillips R. *The views of senior hospital managers on innovative strategies to improve hand hygiene adherence. A qualitative study.* International conference on prevention and Infection Control. Geneva, Switzerland, 25-28 June 2013.

Middleton S, *Implementing evidence can improve patient outcomes and change practice.* The Inaugural Victorian Psycho-oncology Research Conference. Melbourne, 14 June 2013. **** Invited Keynote presentation ****

Middleton S. Chair Plenary Session. *7th Meeting for Nurses, Physiotherapists, Speech and Occupational Therapists, Study/Research Assistants.* European Stroke Conference. London, England, 28 May 2013.

Middleton S, Levi C, D'Este C, Grimshaw J, Cadilhac D, Considine J, Cheung W, **McInnes E, Dale S**, Gerraty R on behalf of the T³ Trialists. *T³ Stroke Trial: Protocol for a Cluster Randomised Controlled Trial to evaluate an organisational intervention to improve Triage, Treatment and Transfer of stroke patients in Emergency Departments.* European Stroke Conference. London, England, 28 May 2013.

Turner A, Weir L, **Middleton S**, Worcester M, Murphy B, Stratton S, Davis S, Hand P. *Patient Satisfaction with a Nurse Practitioner TIA Clinic.* Melbourne Health Research Week, Royal Melbourne Hospital. Melbourne, 24 May 2013. [Poster].

Zwar N, Reddel H, Bunker J, **Middleton S**, Crockett A, Dennis S, Hasan I, Hermiz O, van Schayck CP, Marks G. *Accuracy of Case Finding for COPD by Practice Nurses.* International Primary Care Respirator Group. Upsalla, Sweden, 23-24 May 2013.

Middleton S, Dale S, Drury P, Levi C, D'Este C, Grimshaw J, Ward J, Cheung N.W, Griffiths R, **McInnes E**, Hardy J, Quinn C, Cadilhac D, Evans M. *Doing the simple things well: Temperature, glucose and swallowing management significantly improves patient outcomes.* International Council of Nurses. Melbourne, 18-23 May 2013.

McInnes E, Middleton S, Walker K, Edward K-L. *Building the nurse research leaders of the future: lessons from a collaboration between industry and academia.* International Congress of Nurses. Melbourne, 18-23 May 2013.

Reddel H, Dennis SM, Hasan I, Hermiz O, Bunker J, **Middleton S**, Van Schayck CP, Crockett AJ, Vagholkar S, Marks GB, Zwar NA. *Accuracy of case-finding for COPD by practice nurses.* Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand. Darwin, 23-27 March 2013. **** Winner, Primary Care Prize ****

Middleton S. *Quality in Acute Stroke Care Trial.* American Heart Association Council on Cardiovascular Nursing Stroke Article of the Year. International Stroke Conference, Hawaii, United States, 6-8 February 2013.



Executive Suite | Level 5, deLacy Building
St Vincent's Hospital | Victoria Street | Darlinghurst, NSW 2010
Phone: (02) 8382 3790 | Fax: (02) 8382 3792

