NURSING RESEARCH INSTITUTE

ANNUAL REPORT 2011

NRI NURSING RESEARCH INSTITUTE
St Vincents & Mater Health Sydney | Australian Catholic University

St Vincents & Mater Health Sydney

ACU AUSTRALIAN CATHOLIC UNIVERSITY

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

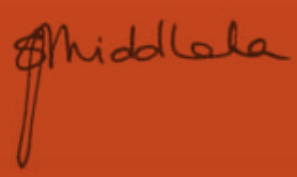
Welcome Message

On behalf of the St Vincents & Mater Health Sydney and Australian Catholic University (ACU) Nursing Research Institute (NRI), we welcome you to our third Annual Report.

The Nursing Research Institute had an extremely busy and highly successful year in 2011. A major highlight, not just for the Nursing Research Institute but also for the profile of Australian nurse-led multidisciplinary health research has been the successful completion of the NHMRC-funded Quality in Acute Stroke Care (QASC) cluster randomised controlled trial. Excitingly, the results showed a 16% reduction in death and dependency following stroke attributable to successful implementation of nurse initiated evidence-based clinical treatment protocols. These protocols managed fever, raised glucose levels and swallowing difficulties. The results were fast-tracked for publication in the prestigious medical journal *The Lancet*, and have already been widely disseminated through various media both nationally and internationally. This has placed the Nursing Research Institute firmly on the map of prominent nursing research entities in the country.

This success, as with other achievements in 2011 detailed in this report, would not have been possible without the ongoing support we receive from St Vincents and Mater Health Sydney (SV&MHS) and the Australian Catholic University (ACU). The continuing hard work of the Nursing Research Institute staff and the collaborations formed with clinician-researchers have led us from strength-to-strength in conducting our multidisciplinary and clinically relevant research.

This annual report informs you about the range and depth of our 2011 research activities. This includes information about: our many and varied research projects including a new NHMRC-funded trial; the research awards and commendations achieved by our research staff, affiliated clinicians and research students; the contributions of our growing cadre of ACU Clinical Fellows and our extensive research capacity-building programme of seminars, workshops, Symposia and one-to-one research mentorship.



Professor Sandy Middleton
Director

Associate Professor Elizabeth McInnes
Deputy Director

Governance

The Nursing Research Institute is governed by a Steering Committee. This group meets to agree on and monitor the strategic direction and outcomes of the Nursing Research Institute. The Steering Committee in 2011, in addition to the Nursing Research Institute Executive of Professors Middleton, Walker and A/Prof McInnes was comprised of the following members:

Name	Degree
Mr Steven Rubic	Chief Executive Officer St Vincents & Mater Health Sydney
Professor Michelle Campbell	Executive Dean, Faculty of Health Sciences ACU
Adjunct Professor Leslie Everson	Director of Operations St Vincents Hospital
Adjunct Professor Maeve Tumulty	Director of Nursing & Patient Care St Vincents Hospital
Adjunct Professor Jose Aguilera	Director of Nursing & Clinical Services St Vincent's Private Hospital
Adjunct Professor Barbara Paris	Director of Nursing & Clinical Services Mater Hospital
Adjunct Professor John Geoghegan	Director of Nursing & Operations St Joseph's Hospital
Professor Judy Lumby AM	Director, Joanna Briggs Foundation Emeritus Professor, University of Technology Sydney Adjunct Professor, University of Adelaide Honorary Professor, University of Sydney

Management Committee

The Nursing Research Institute is also supported by a Management Committee comprised of:

- Professor Michelle Campbell, Executive Dean, Faculty of Health Sciences, Australian Catholic University (Chair in 2011)
- Adjunct Professor Jose Aguilera, Director of Nursing & Clinical Services, St Vincent's Private Hospital
- Adjunct Professor Barbara Paris, Director of Nursing & Clinical Services, Mater Hospital
- Adjunct Professor Mauve Tumulty, Director of Nursing & Patient Care, St Vincent's Hospital
- Adjunct Professor John Geoghegan, Director of Nursing & Operations, St Joseph's Hospital
- Professor Kim Walker, Professor of Nursing (Healthcare Improvement), St Vincent's Private Hospital
- Professor Sandy Middleton, Director, Nursing Research Institute
- Associate Professor Elizabeth McInnes, Deputy Director, Nursing Research Institute
- Ms Justine Benfield, Executive Officer, Nursing Research Institute
- Ms Patty Zenonos, Personal Assistant to Director of Nursing Research Institute (minutes)

NRI Professorial staff

Professor Sandy Middleton,
Director,
Nursing Research Institute

Professor Middleton was appointed as Professor of Nursing Research at St Vincents & Mater Health Sydney and Australian Catholic University in March 2008. She is particularly interested in stroke research and nurse-led interventions to improve patient outcomes. Her interests also cover implementation research, clinician behaviour change and evidence-based practice.

Professor Middleton has an active health leadership profile in Australia and is a member of a number of peak bodies, including the Clinical Council of the National Stroke Foundation, the research committees of the Clinical Excellence Commission and the Agency for Clinical Innovation. She is also a member of the St Vincent's Clinic Foundation Board of Directors.

2011 was a busy year for Professor Middleton, particularly with the fast-tracked publication of the landmark *Quality in Acute Stroke Care trial* (QASC) in *The Lancet*. As a result, there have been multiple reporting of the trial results in the media including ABC TV, post-publication peer review and Professor Middleton has presented the results at conferences in Australia, Europe, and the United Kingdom. QASC results were also presented at the Canadian Stroke Congress where the trial won the 2011 Award for Impact. This trial was also awarded first place in the Australian Catholic University Inaugural Competitive Research Symposium and was a finalist in the NSW Premier's Public Sector Awards in category of Excellence in Delivery. Following on from the success of QASC, Professor Middleton and colleagues were awarded a $2.2M grant for 2012-2016 from the National Health and Medical Research Council to conduct the T3 Trial: Triage, Treatment and Transfer of patients with stroke in emergency departments. This research involves Professor Middleton and the Nursing Research Institute team collaborating with clinicians in hospital emergency departments in NSW, VIC and QLD to further facilitate evidence uptake in stroke.

Associate Professor Elizabeth McInnes,
Deputy Director,
Nursing Research Institute

Associate Professor Elizabeth McInnes has worked at the Nursing Research Institute since February 2009. During this time she has been involved with Sandy Middleton and Professors Kim Walker in establishing a comprehensive programme of research capacity building within the St Vincents & Mater Health Sydney campuses. Her research programme and research outputs reflects her many years involved in developing both quantitative and qualitative systematic reviews and also in researching the factors that affect evidence translation in practice. As part of her work, she collaborates with and finds inspiration from the growing cadre of St Vincents & Mater Health Sydney clinicians who are involved in research projects.

In 2011 Associate Professor McInnes completed two Cochrane systematic reviews and commenced a third. She also instigated a unique multi-methods study into hand hygiene beliefs and attitudes which will inform the development of an intervention aimed to improve hand hygiene practice across clinical disciplines. She is also involved in supervising a number of other qualitative and quantitative research projects. She collaborated with researchers from the University of Sydney and York University (UK) to develop reporting guidelines for qualitative systematic reviews. A large part of her work in 2011 involved mentoring St Vincents & Mater Health Sydney clinicians in their research activities and continuing research capacity building through seminar programmes across the campuses; workshops and the bi-annual NRI Research Symposium. She is also supervising and co-supervising 6 post-graduate students.

St Vincent's Private Hospital

Professor Kim Walker,
Professor of Nursing
(Healthcare Improvement)
St Vincent's Private Hospital

Professor Walker has had a substantial career in nursing beginning in New Zealand and spanning clinical practice, senior administrative and academic roles at hospitals, colleges and universities in Victoria, Tasmania, and NSW. After completing his doctoral studies at La Trobe University, Melbourne, Professor Walker embarked on an academic career also spending a number of years at the College of Nursing in Sydney before taking up a senior position at St Vincent's Private Hospital where he currently works in a conjoint professorial position with Australian Catholic University. Professor Walker's research interests are predominantly in the qualitative and philosophical domain, but he also has significant experience in implementation research through a number of projects related to improving clinician compliance with best practice guidelines in venous thrombosis (VTE) prevention, among others.

In 2011, Professor Walker successfully supervised two ACU Bachelor of Nursing Honours students: Todd Allen and Merren Smith both of whom were awarded 1st Class honours. A number of hospital-wide healthcare improvement projects including one to enhance clinical handover and another the detection and management of the deteriorating patient were commenced, both of which aim to contribute to improved outcomes for staff and patients. Of special note in 2011, was the private hospital's designation as a Magnet hospital, a prestigious award for nursing excellence from the American Nurses Credentialing Centre; the research efforts of Professor Walker, his staff and the Nursing Research Institute were singled out for special mention in the Commission on Magnet's report. Also in 2011, the St Vincent's Private Hospital received its best ever results from the Australian Council on Healthcare Standards with research receiving an 'extensive achievement', also an excellent outcome. Professor Walker led the team on implementation research on VTE prevention which was a finalist in the inaugural ACU Competitive Research Symposium and a paper also on VTE prevention, published in the American Journal of Vascular Nursing, was awarded the best paper for 2010. Importantly too, this work in VTE prevention was presented at the 2011 BMJ International Forum on Quality and Safety, a major international symposium for the dissemination of leading edge research.

NRI Research Staff and their projects

Nissa Allnutt
General research assistance.

Simeon Dale
Project Manager,
Quality in Acute Stroke Care
(QASC) Project.

Therese Fletcher
General research assistance.

Asmara Jammali-Blasi
Cochrane systematic reviews on support surfaces for pressure ulcer prevention and treatment. Research into goals, research support needs and factors affecting participation in research by Mental Health Consultation

Elizabeth Maher
Improving hand hygiene practice: Identifying behavioural, attitudinal and organisational factors using an error typology framework.

Rosemary Phillips
Diabetes case detection through Emergency Department admissions.

NRI Honours and Higher Research Degree Students

Todd Allen (BN Hons)
Nurses' knowledge and use of resources informing ethical decision making in advance care planning: Conversations in advance care planning.

Jane Allnutt (PhD)
Exploring the Nurse Practitioner Service in NSW.

Peta Drury (PhD)
Evaluating the effect of a complex behaviour change intervention to improve the management of fever, hyperglycaemia and dysphagia in acute stroke patients.

Jed Duff (PhD)
Venous thromboembolism (VTE) prevention in hospitalised patients: Development and evaluation of two targeted interventions to improve clinician compliance with evidence-based VTE guidelines.

Serena Knowles (PhD)
Improving clinical practice in Intensive Care: Implementation of an evidence based practice guideline.

Rose McMasters (PhD)
Evaluation of a day-time drop-in support centre for women who are homeless or at risk of homelessness.

Jennie Robinson (Masters)
Clinical facilitators' views on the challenges of facilitating the clinical transition of culturally and linguistically diverse, overseas qualified nurses.

Merren Smith (BN Hons)
Patient and family centred care at St Vincent's Private Hospital: Rhetoric or reality?

NRI Clinician Researchers

Fiona Bailey (PhD)
Examining the management of reported medication incidents in an acute care hospital.

Alex Joyner
Examining the causes of reported medication incidents at the Mater Hospital.

Sally Sutherland-Fraser
Perioperative nurses' knowledge & practice with pressure ulcer prevention: An educational intervention study.

Pukkaporn Sangvatanakul (Fix)
Co-ordinated multidisciplinary circuit therapy class

NRI Administration Staff

Justine Benfield
Executive Officer, Nursing Research Institute.

Patty Zenonos
Personal Assistant to Director Nursing Research Institute.

Awards & Achievements

Staff

Benfield J
Sydney Mechanic's Award for *'Demonstration of superior achievement in academic studies and adult education practice'* from the University of Technology, Sydney Bachelor Adult Education. Following this she was awarded a Government scholarship for ACU to study a Masters in Tertiary Education Management.

Jammali-Blasi A
Australian Catholic University medal for her first class honours thesis. This is the first time ever this has been awarded to a nursing student.

McInnes E
Australian Catholic University's best researcher in the Nursing Field of Research based on publications for Excellence in Research Australia 2010.

Middleton S
Australian Catholic University's best researcher based on grant income in the Nursing Field of Research, as evaluated in the Excellence in Research Australia 2010 results.

Finalist in NSW Premier's Public Sector Awards in category of Excellence in Delivery. Quality in Acute Stroke Care Project. 7 Nov 2011.

Awarded Top Breakthroughs Co-Chairs' Award for Impact for the abstract 'Does a team based knowledge transfer intervention to manage fever, hyperglycaemia and swallowing dysfunction, improve 90-day outcomes following stroke?' at Canadian Stroke Congress, October 2-4, 2011 in Ottawa, Canada.

Australian Catholic University Inaugural Competitive Research Symposium. First place: Quality in Acute Stroke Care Project (QASC).

Clinician Researchers

Sutherland-Fraser S
St Vincent's Clinic Foundation 2011 Excellence Award – Emerging Clinical Researcher on St Vincent's Campus, September 2011.

Students

Allen T
Awarded first class honours degree from Australian Catholic University.

Smith M
Awarded first class honours degree from Australian Catholic University.

Drury P
Runner-up in the 3 Minute Thesis Competition 2011 Australian Catholic University.

Li F, Walker K, McInnes E, Duff J
Society for Vascular Nursing, 2010 Writing Award for 'Testing the effectiveness of a targeted intervention on nurses' compliance with 'best practice' mechanical venous thromboembolism prevention'. *Journal for Vascular Nursing,* XXVII: 3: 92-96.

Professor Thomas Martin, Deputy Vice-Chancellor (Research), Asmara Jammali-Blasi, General Peter Cosgrove AC, MC, Chancellor of ACU, Dr Annette Pantle, Group General Manager Clinical Governance and Chief Medical Officer, St Vincent's Health Australia, Associate Professor Liz McInnes, Deputy Director Nursing Research Institute and Professor Sandy Middleton, Director Nursing Research Institute.

2011 Highlight

Quality in Acute Stroke Care (QASC)

In 2011, the NHMRC funded Quality in Acute Stroke Care (QASC) Trial, led by Professor Sandy Middleton and co-ordinated by Simeon Dale from the Nursing Research Institute concluded. This cluster randomised controlled trial evaluated the effectiveness of team-building workshops and education to introduce three clinical protocols to manage fever, sugar and swallowing (the FeSS protocols) in the acute stroke unit. We found that patients cared for in stroke units who received our intervention were 16% more likely to be alive and independent 90 days following their stroke. Medical records audits undertaken as part of Peta Drury's PhD found that patients also had fewer episodes of fever, lower mean temperatures, lower mean blood glucose levels, and better screening for swallowing difficulties. This landmark trial demonstrated that teamwork and good nursing care can improve patient outcomes.

These excellent results have been greeted with great interest by the medical and nursing community internationally. The final results were fast-tracked for publication in *The Lancet*. *The Lancet* also ran a commentary on the paper in the same issue. The trial received excellent coverage in the media with a report by Sophie Scott on ABC TV news and various other international and local media outlets including the *Nursing Review* and *Nursing Australia*. Professor Sandy Middleton presented the results in Europe, the United Kingdom and also in Canada where the trial won the Award for Impact.

This research was also published in Faculty of 1000 (F1000) Library as a result of post-publication peer review which places this work in the library of the top 2% of published articles in biology and medicine.

Sandy Middleton, Peta Drury and Simeon Dale with a stroke patient at St Vincent's Hospital.Paul McMillan, Illustro Photography

The Fever, Sugar, Swallowing (FeSS) Intervention is available online www.acu.edu.au/qasc and people globally have been downloading the protocols and intervention strategies. There are initiatives commencing in 2012 across Australia with various agencies to assist stroke units to implement the intervention.

Research Capacity Building

The 2011 St Vincents & Mater Health Sydney Nursing Research Symposium - *Forging ahead with multidisciplinary research* - was attended by 127 health practitioners from a variety of clinical and research areas across St Vincents & Mater Health Sydney. This included nursing education, intensive care unit, palliative care, mental health, operating theatres, emergency department, maternity and rehabilitation. The Symposium consisted of paper and poster presentations and panel discussions.

Professor Christine Duffield, Associate Dean (Research) and Director, Centre for Health Services Management, University of Technology Sydney (UTS), Faculty of Nursing, Midwifery and Health gave a plenary address which highlighted the significant changes nursing research has undergone during her working life and the opportunities offered today for nurse researchers to lead multidisciplinary research teams.

Jacinta Vanderpuije, a Clinical Nurse Consultant at St Vincent's Private Hospital was awarded a prize for Best Paper donated by the Clinic Foundation for her presentation on *'Development of a urine colour reference chart – a multidisciplinary study in progress'*. Dr Sally Inglis Senior Research Fellow at the Faculty of Nursing, Midwifery and Health UTS, received the prize for best ViPER (Visual Presentation with Expert Review) presentation for her research into *'Are telemonitoring and structure telephone support more effective in older or younger heart failure patients? Sensitivity analysis from a Cochrane review'*.

Research seminars were also held at St Vincent's Hospital and the Mater Hospital throughout the year on a variety of research topics.

In 2011, Dr Robyn Rosina, Nurse Manager, Nursing Professional Practice and Support, St Vincents Hospital was awarded an Adjunct Associate Professor title. Sally Sutherland-Fraser, Clinical Nurse Consultant for Perioperative Practice Development, St Vincents Hospital, was given the title of Clinical Fellow; both titles were awarded through ACU.

Sally Inglis and Jacinta Vanderpuije prize winners at the 2011 Research Symposium

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19 FEB

Grants awarded in 2011

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. T3 Trial: Triage, Treatment and Transfer of patients with stroke in emergency departments. NHMRC Project Grant. 2012: $247,385; 2013: $577,377; 2014: $561,132; 2015: $416,172; 2016: $456,132; Total funds awarded: $2,258,198.

Cadilhac D, Anderson C, Donnan G, Levi C, Thrift A, **Middleton S,** Lannin N, Faux S, Sundararajan V, Grimley R. STROKE123: A collaborative national effort to monitor, promote and improve the quality of stroke care in hospitals and patient outcomes. NHMRC Partnership Grant. 2012: $319,644; 2013: $264,678; 2014: $305,619; 2015: $310,059. Total funds received $1.2M. Total industry cash contribution: $490,000.

Cheung W, Campbell L, **Middleton S,** Pollock C, Fulcher G, Watt H, McElduff P. Diabetes Case Detection through Emergency Department Admissions. NHMRC Partnership Grant. 2011: $160,016.

Cheung W, Campbell L, **Middleton S,** Pollock C, Fulcher G, Watt H, McElduff P. Health Economics of Diabetes Case Detection through Hospital Emergency Admissions. ADS Servier: 2011: $19,685.

Gardner G, Gardner A, **Middleton S,** Considine J, Hurst C, Della P, Fitzgerald G, Christofis L, Finckh A, Chu K. A prospective evaluation of the impact of the nurse practitioner role on emergency department service and outcomes. Australian Research Council Linkage Grant. Year 1: $17,620; Year 2: $189,995; Year 3: $235,969; Year 4: $63,594. Total funds awarded: $507,178.

McInnes E, Middleton S, Chaboyer W, O'Brien M, Webber L, Whalen S. Pressure ulcer prevention and management – an observational study of nursing practice and examination of inter-rater reliability of outcome measurement. St Vincent's Clinic Foundation Research Grant: 2011: $25,000.

McInnes E. Pressure ulcer prevention and management observational study. Curran Foundation Research Grant: 2011: $25,000.

McMaster R, Middleton S, Hawley R. Evaluation of Lou's Place – daytime drop-in support centre for women at risk of being or who are homeless. Australian Catholic University, Faculty of Health Sciences: 2011: $7,000.

Walker K. Nursing Honours Preliminary and Research Program. The Curran Foundation: 2011: $55,174.

Peer Reviewed Publications

Barnsley L, McCluskey A, **Middleton S.** What people say about travelling outdoors after their stroke: A qualitative study. *Australian Occupational Therapy Journal, 59*(1). 71-78.

Davis DL, **Walker K.** Case-loading midwifery in New Zealand: Bridging the normal/abnormal divide "with woman". *Midwifery* 2011; 27: 46-52.

Duff J, Walker K. Translating Venous Thromboembolism (VTE) prevention evidence into practice: A multidisciplinary evidence implementation project. *Worldviews on Evidence-Based Nursing* 2011; 8(1): 30-39.

Hillege S, Beale B, **McMaster R.** Enhancing Management of Depression and Type I Diabetes in Adolescents and Young Adults. *Archives of Psychiatric Nursing* 2011; 25(6): e57-e67.

Jammali-Blasi A, McInnes E, Markus R, Faux S, O'Loughlin G, Dale S, Middleton S. 90-day outcomes for a cohort of patients admitted to a metropolitan acute stroke unit. *Journal of Vascular Nursing 2011;* 29(1): 3-10.

Jordan L A, Mackey E, Coughlan K, Wyer M, **Allnutt N, Middleton S.** Continence management in acute stroke: A survey of current national practices. *Journal of Advanced Nursing* 2011; 67(1): 94-104.

McInnes E, Dumville J, **Jammali-Blasi A,** Bell-Syer S, Cullum, N. Support surfaces for pressure ulcer treatment. *Cochrane Database of Systematic Reviews,* Issue 12, 2011.

McInnes E, Seers K, Tutton L. Older people's views in relation to risk of falling and need for intervention: a meta-ethnography of qualitative studies. *Journal of Advanced Nursing* 2011; 67(12): 2525–2536.

McInnes E, Jammali-Blasi A, Bell-Syer S, Dumville J, Cullum, N. Support surfaces for pressure ulcer prevention. *Cochrane Database of Systematic Reviews,* Issue 4, 2011.

Middleton S, McElduff P, Ward J, Grimshaw J, Dale S, D'Este C, **Drury P,** Griffiths R, Cheung NW, Quinn C, Evans M, Cadilhac D, Levi C. Implementation of evidence-based treatment protocols to manage fever, hyperglycaemia and swallowing dysfunction in acute stroke improves 90-day outcomes: QASC, a cluster randomised controlled trial. *Lancet* 2011; 378(9804): 1699-1706.
**** Commentary also published in the Lancet** ** See: Wolfe CDA and Rudd AG. Improvement of Care in Acute Stroke Units. *Lancet* 2011; 378(9804): 1679.

Middleton S, Levi C, Ward J, Grimshaw J, Griffiths R, D'Este C, **Dale S,** Quinn C, Evans M, Cadilhac D, McElduff. Death, Dependency and Health Status 90-Days following hospital admission for acute stroke in NSW. *Internal Medicine Journal* 2011; 41(10): 736-742.

Middleton S, Gardner A, Gardner G, Della P. The status of Australian nurse practitioners: the second national census. *Australian Health Review* 2011; 35: 448–454.

Perry L, **Middleton S.** An investigation of family carers' needs following stroke survivors' discharge from acute hospital care in Australia. *Disability and Rehabilitation. 2011;* 33(19–20): 1890–1900.

Walker K, Duff J, Di Staso R, Cobbe KA, Bailey K, Pager P, Leathwick S. Perioperative nursing shines! Magnet designation reflected in staff engagement, empowerment and excellence. *ACORN: The Journal of Perioperative Nursing in Australia* 2011; 24(3): 34-42.

Zwar N, Marks G, Hermiz O, **Middleton S,** Comino E, Hasan I, Vagholkar S, Wilson S. Predictors of Accuracy of Diagnosis of Chronic Obstructive Pulmonary Disease in General Practice. *Medical Journal of Australia* 2011; 195: 168-171.

Published abstracts (peer-reviewed)

Dale S, Levi C, D'Este C, Griffiths R, Grimshaw J, Ward J, **Middleton S.** Maximising uptake of clinical protocols to manage fever, hyperglycaemia and swallowing in acute stroke: Assessing barriers and enablers. *International Journal of Stroke* 2011; 1(6): S1-13.

Dale S, Middleton S, Levi C, D'Este C, Griffiths R, Grimshaw J, Ward J. Challenges of a large cluster randomised controlled trial: Barriers and enablers to implementing protocols for fever, hyperglycaemia and swallowing dysfunction in the Quality in Acute Stroke (QASC) Project. *Cerebrovascular Diseases* 2011; 31 (suppl 2).

Drury P, Levi C, D'Este C, **Dale S,** Griffiths R, Grimshaw J, Ward J, Evans M, Quinn C, Cadilhac D, Cheung W, McElduff P, **McInnes E,** Hardy J, **Middleton S.** The QASC Cluster Randomised controlled trial of an intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke: Did clinician behaviour change? *Cerebrovascular Diseases* 2011; 31 (suppl 2).

Middleton S, Ward J, Grimshaw J, Griffiths R, D'Este C, **Dale S, Drury P,** Cheung NW, Quinn C, Evans M, Cadilhac D, McElduff P, Levi C. Does a team base knowledge transfer intervention to manage fever, hyperglycaemia and swallowing dysfunction, improve 90-day outcomes following stroke? *Stroke* 2011; 42, 587.

***** Awarded Top Breakthroughs Co-Chairs' Award for Impact *****

Middleton S, Dale S, Levi C, D'Este C, Griffiths R, Grimshaw J, Ward J. Barriers and enablers to implementing protocols for fever, hyperglycaemia and swallowing dysfunction in acute stroke. *Stroke* 2011; 42, e637.

Middleton S, Levi C, D'Este C, **Drury P, Dale S,** Griffiths R, Grimshaw J, Ward J, Evans M, Quinn C, Cadilhac D, Cheung W, McElduff P. The QASC Cluster Randomised Controlled trial of a team-based intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke: Patient 90-day outcomes. Cerebrovascular Diseases 2011; 31 (suppl 2).

Editorial

Holmes C, **Walker K.** Letter to the Editor. *Nursing Philosophy* 2011.

Reports & Monographs

Sutherland-Fraser S, Maher E, McInnes E, Middleton S. Pressure Ulcer Prevention Program (PuPP) Final Research Report for The Friends of Mater Foundation, September 2011.

Conference participation

Allnutt J, Boss P. An international immersion programme for student nurses offers insight into children's health in a developing country. Presented at the Navigating new directions in children's and young people's health care Conference. Australian College of Children's and Young People Nurses, Sydney, 19-21 October, 2011.

Boss P, **Allnutt J,** Guy J. Enhancing students experiences of paediatric and child health nursing – an innovative approach. Presented at the Winds of Change Conference. Council of Children's Nurses (Inc), Sydney, 24-25 March, 2011.

Dale S, Middleton S, Levi C, D'Este C, Griffiths R, Grimshaw J, Ward J. Challenges of a large cluster randomised controlled trial: Barriers and enablers to implementing protocols for fever, hyperglycaemia and swallowing dysfunction in the QASC project. Smart Strokes 2011, 7th Australasian Nursing and Allied Health Stroke Conference. Surfers Paradise, 4-5 August, 2011, P.35-36.

Dale S, Levi C, D'Este C, Griffiths R, Grimshaw J, Ward J, **Middleton S.** Maximising uptake of clinical protocols to manage fever, hyperglycaemia and swallowing in acute stroke: Assessing barriers and enablers. Stroke Society of Australasia Annual Scientific Meeting. Adelaide, 14-16 September, 2011.

Dale S. Barriers and Enablers to implementing protocols for fever, hyperglycaemia and swallowing dysfunction in acute stroke. Canadian Stroke Congress. Ottawa, Canada, 2-4 October, 2011. Poster.

Dale S, Middleton S, Levi C, D'Este C, Griffiths R, Grimshaw J, Ward J. Challenges of a large cluster randomised controlled trial: Barriers and enablers to implementing protocols for fever, hyperglycaemia and swallowing dysfunction in the Quality in Acute Stroke (QASC) Project. European Stroke Conference. Hamburg Germany, 24-27 May, 2011. Poster.

Di Staso R, Cobbe K, **Duff J, Walker K,** Perrin N, Tan S, Halliday E, S Middleton, L Lam. Preventing inadvertent perioperative hypothermia in elective arthroscopic shoulder surgery: Study protocol for a randomised controlled trial. The NSW Operating Theatre Association Annual Conference. Rose Hill Racecourse, Sydney, 3-5 March, 2011.

Drury P, Levi C, D'Este C, **Dale S,** Griffiths R, Grimshaw J, Ward J, Evans M, Quinn C, Cadilhac D, Cheung NW, McElduff P, McInnes E, Hardy J, **Middleton S.** The QASC Cluster Randomised Controlled trial of an intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke: Did clinician behaviour change? European Stroke Conference. Hamburg, Germany, 24-27 May, 2011.

Drury P, Middleton S, McElduff P, Levi C, D'Este, Grimshaw J, **McInnes E,** Hardy J, **Dale S,** Cheung W, Griffiths R, Ward J. The QASC cluster randomised controlled trial of an intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke: Did clinician behaviour change? Smart Strokes 2011, 7th Australasian Nursing and Allied Health Stroke Conference. Surfers Paradise, 4-5 August, 2011, P.78-79.

Duff J, Walker K, Omari A. St Vincent's Private Hospital Venous Thromboembolism (VTE) Prevention Project: Improving clinician compliance with evidence based guidelines. International Forum on Quality and Safety in Health Care. Amsterdam, Netherlands, 4-8 April, 2011.

Li F, Walker K, McInnes E, Duff J. Testing the effect of a targeted intervention on nurses compliance with best practice mechanical venous thromboembolism prevention [Poster]. International Forum on Quality and Safety in Healthcare. Amsterdam, Netherlands, 5-8 April, 2011.

McInnes E, Tong A. Systematic review and synthesis of qualitative health research: current debates and methodological developments. Qualitative Health Research Collaboration, University of Sydney, 22 March, 2011.

McInnes E, McMaster R. Mental Health Consultation Liaison Nurses' Association of NSW and ACT Annual Conference presentation. North Sydney, 11 November, 2011.

McInnes E, Middleton S, Gardner G, Haines M, Haertsch M, Paul C, Castaldi P. What makes successful clinical networks? A qualitative study of stakeholder views of the conditions for and outcomes of successful networks. 7th Health Services and Policy Research Conference. Adelaide, 5-7 December, 2011.

McMaster R, Jammali-Blasi A, McInnes E. Research goals, support needs and factors affecting research participation: a survey of Mental Health Consultation Liaison Nurses 37th Australian College of Mental Health Nurses Conference. Gold Coast, 4-7 October, 2011.

Middleton S. The QASC trial. Nursing and Midwifery Research and Innovative Practice Conference: 'Research For Health'. Gosford, 10 May, 2011. **Keynote Presentation.**

Middleton S, Levi C, D'Este C, **Drury P**, Dale S, Griffiths R, Grimshaw J, Ward J, Evans M, Quinn C, Cadilhac D, Cheung NW, McElduff P. The QASC Cluster Randomised Controlled trial of a team-based intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke: Patient 90-day outcomes. European Stroke Conference. Hamburg, Germany, 24-27 May, 2011. **Plenary Presentation.**

Middleton S, Levi C, D'Este C, **Drury P, Dale S,** Griffiths R, Grimshaw J, Ward J, Evans M, Quinn C, Cadilhac D, Cheung NW, McElduff P. Changing acute stroke care practices: Final results of the Quality in Acute Stroke Care (QASC) trial. Smart Strokes 2011: 7th Stroke Nursing and Allied Health Conference. Gold Coast, 4-5 August, 2011, P. 35-36. **Invited Keynote presentation.**

Middleton S, Levi C, D'Este C, **Drury P, Dale S,** Griffiths R, Grimshaw J, Ward J, Evans M, Quinn C, Cadilhac D, Cheung NW, McElduff P. Fever, hyperglycaemia and dysphagia management in acute stroke: Final results of the Quality in Acute Stroke Care (QASC) trial. Stroke Society of Australasia Annual Scientific Meeting 2011. Adelaide, 14-16 September, 2011. **Invited Keynote presentation.**

Middleton S, Ward J, Grimshaw J, Griffiths R, D'Este C, **Dale S, Drury P,** Cheung NW, Quinn C, Evans M, Cadilhac D, McElduff P, Levi C. Does a team base knowledge transfer intervention to manage fever, hyperglycaemia and swallowing dysfunction, improve 90-day outcomes following stroke? Canadian Stroke Congress. Ottawa, Canada, 2-4 October, 2011, P. 16.
***** Awarded Top Breakthroughs Co-Chairs' Award for Impact *****

Middleton S. Nurse-led intervention in acute stroke. NSNF/SSNF Training Day, Sixth UK Stroke Forum. Glasgow, Scotland, 29 November to 1 December, 2011. **Invited Keynote presentation.**

Middleton S. Effectiveness of Early Intervention Nurse-led Care in Acute Stroke. Sixth UK Stroke Forum. Glasgow, Scotland, 29 November to 1 December, 2011. **Invited Keynote presentation.**

Sutherland-Fraser S, Middleton S, McInnes E, Maher E. Nurses' knowledge of pressure ulcer prevention in the operating suite: An educational intervention study. N.S.W. Operating Theatre Association 2011 Annual Conference: Perioperative Nurses Taking the Reins. Rosehill, 3-5 March, 2011.

Zwar N, **Middleton S,** Marks G, Comino E, Wilson S, Vagholkar S, Hermiz O, Hasan I, Xuan W. A cluster randomised controlled trial of nurse and GP partnership for care of Chronic Obstructive Pulmonary Disease (COPD). Primary Health Care Research Conference. Brisbane, 13-15 July, 2011. **Plenary Presentation.**
**** AWARDED Australian Association for Academic Primary Care Best Paper Prize ****

Zwar N, **Middleton S,** Reddel H, Bunker J, Crockett A, Dennis S, van Schayck O, Liaw T, Vagholkar S, Hermiz O, Hasan I. The PELICAN study: Progress of a trial of early intervention for Chronic Obstructive Pulmonary Disease by practice nurse and GP teams. 2011 Australian Practice Nurses Association National Conference: *Roadmap for the Future – Great Expectations*. Sydney, 7-9 April, 2011. **Plenary Presentation.**

Walker K. So you want to be a nurse researcher? : Innovations in a new graduate program 5th International Congress on Innovations in Nursing. Perth WA, 18-20 May, 2011.

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Invited lecture, seminar or workshop presentation

Dale S. Transitions - Professional Practice of Nursing 2 day Conference. University of Sydney, 11 November, 2011.

Duff J. Organisational governance. Invited presentation, The NSW Operating Theatre Association Annual Conference. Rose Hill Racecourse, Sydney, 3-5 March, 2011.

McInnes E, Tong A. Systematic review and synthesis of qualitative health research: current debates and methodological developments. Invited by the Qualitative Health Research Collaboration, Department of Public Health University of Sydney. University of Sydney, 22 March, 2011.

Middleton S. Evaluating the effect of practice change on patient outcomes. 2011 Celebrating International Nurses Day. St Vincents Hospital, Sydney, 9 May, 2011.

Middleton S. Implementation Research: Evaluating the effect of practice change on patient outcomes. Northern Sydney and Central Coast Health Nursing and Midwifery Research and Innovative Practice Conference: "Research For Health". Gosford Hospital, 10 May, 2011.

Middleton S. The QASC Cluster Randomised Controlled trial of a team-based intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke. Stroke Services NSW Research Trials Day. Sydney, 2 June, 2011.

Middleton S. The QASC Cluster Randomised Controlled trial of a team-based intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke. South Western Sydney Local Health Network Area Stroke Symposium. UWS, Campbelltown, 6 June, 2011.

Middleton S. The QASC Cluster Randomised Controlled trial of a team-based intervention to improve management of fever, hyperglycaemia and swallowing dysfunction in acute stroke. Stroke Services NSW, Agency for Clinical Innovation. North Ryde, 8 June, 2011.

Middleton S. Quality in Acute Stroke Care – The FeSS (Fever, Sugar, Swallow) intervention. Australasian Neuroscience Nurses Association Education Evening. Sydney, 29 June, 2011.

Middleton S. The Quality in Acute Stroke Care Trial. Council of Deans of Nursing & Midwifery, Australia and New Zealand. Sydney, 20 October, 2011.

Middleton S. Submitting Abstracts to Conferences with a focus on Stroke. Hunter Stroke Service, A Stroke Research Education Forum. Newcastle, 21 November, 2011.

Sutherland-Fraser S. Perioperative nurses' knowledge & practice with pressure ulcer prevention: An educational intervention study. SV&MHS Nursing Research Institute Seminar Series. St Vincents Hospital, Sydney, 9 March, 2011.

Sutherland-Fraser S. Perioperative nurses' knowledge & practice with pressure ulcer prevention: An educational intervention study. SV&MHS Nursing Research Institute Seminar Series. The Mater Hospital, Sydney, 4 May, 2011.

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