

NURSING RESEARCH INSTITUTE

2022

ANNUAL REPORT

2022

AT A GLANCE

NURSING RESEARCH INSTITUTE

29
NRI STAFF

8
NRI CLINICIAN
RESEARCHERS

11
NRI GRANTS
IN 2022

2 X CATEGORY 1 GRANTS
3 X CATEGORY 2 GRANTS
6 X CATEGORY 3 GRANTS

TOTAL NRI FUNDS AWARDED 2022
\$4,672,259

29
NRI PEER-
REVIEWED
PUBLICATIONS
IN 2022

235
TOTAL SINCE 2009

28
RESEARCH
PROJECTS
IN 2022

20
RESEARCH
PROJECTS
WITH SVH
PARTNERS

ALLIED HEALTH RESEARCH UNIT

17
ALLIED HEALTH
CLINICIAN RESEARCHERS

13
ALLIED HEALTH
PEER-REVIEWED
PUBLICATIONS
IN 2022

4
ALLIED HEALTH
GRANTS IN 2022

FUNDS AWARDED
\$79,090

4 X CATEGORY 3 GRANTS

6

RESEARCH
PROJECTS IN 2022

NRI WITH ALLIED HEALTH • CONFERENCES AND EDUCATIONAL PROGRAMS

9
SEMINARS

236
ATTENDEES

9
WORKSHOPS

375
ATTENDEES

14
CONFERENCES

41
PRESENTATIONS



ABOUT US

The Nursing Research Institute (NRI) is a collaboration between St Vincent's Health Network Sydney, St Vincent's Hospital Melbourne and Australian Catholic University (ACU).

The NRI is a highly productive research collaborative with a national and international reputation for conducting rigorous, nurse-led, multidisciplinary health services and implementation science research. Our main research focus is to identify the best ways to promote the translation of evidence into clinical practice with the overall goal of improving patient outcomes and health systems.

Since 2009, the NRI has brought together researchers and clinicians to conduct clinically relevant research. Our researchers have a broad range of research expertise, and collaborate with world-class national and international researchers, multidisciplinary clinicians and policy makers.

OUR MISSION

CONDUCT high-quality, multidisciplinary health research focused on improving patient outcomes and research translation.

BUILD research capacity through training and mentoring of research students, clinicians and career researchers.

ADVISE, collaborate and consult on health services and translational research with clinicians, the health industry, government and consumers.

CREATE and sustain a collegiate, supportive and high-performance research culture to attract world-class researchers and research students.



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Professor Sandy Middleton / Director



Professor Elizabeth McInnes / Deputy Director

Welcome to the 2022 Annual Report for the Nursing Research Institute (NRI).

In 2022, the NRI research team consisted of 29 core staff located across New South Wales, Victoria and the Australian Capital Territory. The team worked on 28 projects, 20 of them with our partners, St Vincent's Health Network Sydney and St Vincent's Hospital Melbourne. In collaboration with national and international research partners, we received 10 new grants, totalling \$4,672,259, two of which are funded by the National Health and Medical Research Council (NHMRC). NRI researchers produced 29 publications in high-impact journals as either first or co-authors. In this report, we showcase the nurse and allied health-led research of NRI staff, students, clinician researchers and other achievements from 2022.

Of note, is the work in building allied health research capacity of Dr Lauren Christie, who is based at the NRI and jointly funded by the Australian Catholic University and St Vincent's Health Network Sydney as the Allied Health Senior Implementation Science Research Fellow. In 2022, allied health researchers received 4 new grants totalling \$79,090, worked on 6 projects, and were first or co-authors on 13 publications in high-impact journals.

Some highlights include:

AWARDS AND RECOGNITION

Professor Sandy Middleton, Professor Elizabeth McInnes and Simeon Dale, with other QASC Research investigators, were finalists in the 2022 Engagement Australia Excellence Awards. The QASC research program has recently led to successful practice change for nurse-led stroke care in 64 hospitals in 17 European countries.

The **QASC Europe project** was recently showcased as part of St Vincent's Health Network Sydney's 'strength inventory'. This project was highlighted in a bid to the NSW Government's 'Health Precinct Strategy' to establish the St Vincent's Health Precinct Sydney.

Simeon Dale was awarded a 'Spirit of Excellence Award' from the Angels Initiative at the 2022 World Stroke Congress for her commitment in facilitating nurse-led stroke research.

John Forster, Psychiatric Consultation and Liaison Nurse, St Vincent's Hospital Melbourne (SVHM) and ACU Clinical Fellow, was awarded St Vincent's Hospital Melbourne, 2022 Nurse Researcher of the Year Award at the 2022 Nursing Excellence Awards.

GRANTS

Professor Sandy Middleton is a Chief Investigator on a \$2.5M NHMRC Centre of Research Excellence grant – Accelerate Stroke Trial Innovation and Translation. The CRE aims to transform interdisciplinary

stroke clinical research in Australia and will use technology to deliver interventions.

Nicola Fearn, NRI Senior Research Officer Allied Health, was awarded a St Vincent's Curran Foundation Endowment Grant for her research: SUPpoRting PATient-centred SurvivorShip (SURPASS) at St Vincent's Health Network: Adaptation and adoption of the 'My Personal Plan' Prostate Cancer Survivorship Care Plan for generic use. The project was developed in collaboration with Professor Suzanne Chambers, Executive Dean of Health Sciences.

SCHOLARSHIPS

Alysia Coventry, NRI Senior Research Fellow, was awarded the inaugural 2022 Dame Quentin Bryce Palliative Care Nursing Research Fund scholarship, University of Melbourne, to support her PhD work on end of life care in intensive care.

Jake McMahon, NRI Clinical Research Nurse, is a PhD student with the NHMRC Centre of Research Excellence (CRE) in wiser wound care and is also one of nine clinicians participating in the inaugural Melbourne Academic Centre for Health Service Research (MacHSR) Future Leaders Fellowship Program, the only nurse to be selected into this fellowship. With his project 'Exploring the uptake of evidence-based strategies to manage and prevent pressure injuries in the acute setting', Jake aims to understand and reduce low-value practices associated with pressure injury prevention and management for hospital patients.

PUBLICATIONS

A unique international collaboration between QASC Investigators, the European Stroke Organisation (ESO), the European Acute Networks Striving for Excellence in Stroke (Angels) Initiative and the global Registry of Stroke Care Quality (RESQ), resulted in successful rapid implementation and scale-up of FeSS Protocols into 64 hospitals in 17 countries with vastly different healthcare systems. Results were published in the *European Stroke Journal*. <https://doi.org/10.1177/23969873221126027>

Dr Kathleen Bagot, NRI Research Officer, and Adjunct Professor Kathryn Riddell, Chief Nursing Officer of St Vincent's Hospital Melbourne, published a study in the *Journal of Advanced Nursing* entitled 'The context, contribution and consequences of addressing the COVID-19 pandemic: A qualitative exploration of executive nurses' perspectives'. The study interviewed nursing executives and found that, despite challenges, the COVID pandemic facilitated championing of innovative work practices to support patient and staff safety. <https://doi.org/10.1111/jan.15186>

A pilot study led by **Dr Lauren Christie** and Dr Mitchell Sarkies (Macquarie University) in collaboration with St Vincent's Emergency Department showed a significant increase in injuries to commercial food delivery cyclists. Compared to recreational cyclists, commercial cyclists were over 13 times more likely to present to the emergency department. The findings from

the study were featured in *The Guardian* and on ABC National Breakfast radio. <https://doi.org/10.1186/s40814-022-01077-1>

We would like to take this opportunity to thank Professor James McLaren, Deputy Vice-Chancellor, Research and Enterprise ACU; Adjunct Professor Kathryn Riddell, Chief Nursing Officer St Vincent's Hospital Melbourne; and Adjunct Professor Angela Nolan, Chief Executive Officer St Vincent's Hospital Melbourne, for their years of support and contribution to the NRI Steering and Management Committees as they pursue new roles. We welcome Professor Emerita Jill White (external representative) and ACU Deputy Vice-Chancellor Research and Enterprise Professor Abid Khan to the Steering Committee, Nicole Tweddle, SVHM Chief Executive Officer, and SVHM Chief Nursing Officer Jacqueline Bilo to the Steering and Management committees.

Thank you again to our funders, collaborators and hospital partners for another productive year and we look forward to many more years of ongoing and mutual partnerships. We hope that you enjoy reading the NRI's year in review for 2022.

Professor Sandy Middleton
Director

Professor Elizabeth McInnes
Deputy Director

GOVERNANCE

The Steering Committee meets biannually to govern and monitor the NRI's strategic direction. The Management Committee meets three times a year to discuss NRI operational management.

ST VINCENT'S HEALTH AUSTRALIA

NRI STEERING COMMITTEE ONLY

1 Adjunct Professor Anthony Schembri AM
Chief Executive Officer, St Vincent's Health Network Sydney

2 Adjunct Professor Angela Nolan (until Oct 2022)
Chief Executive Officer, St Vincent's Hospital Melbourne

3 Nicole Tweddle (Nov 2022 – present)
Chief Executive Officer, St Vincent's Hospital Melbourne

4 Clinical Associate Professor Margaret Lazar
Executive Director of Allied Health, St Vincent's Health Network Sydney

NRI MANAGEMENT COMMITTEE ONLY

5 Joanne Taylor
Nurse Manager Clinical Practice and Innovation, St Vincent's Hospital Sydney

6 Gretta Dunn (until June 2022)
Nursing and Operations Manager, St Joseph's Hospital Sydney

7 Lauren Culbert (June 2022 – present)
Nursing and Operations Manager, St Joseph's Hospital Sydney

NRI STEERING AND MANAGEMENT COMMITTEES

8 Jacqueline Bilo (Nov 2022 – present)
Chief Nursing Officer, St Vincent's Hospital Melbourne

9 Adjunct Professor Anna Thornton
Executive Director of Nursing, St Vincent's Health Network Sydney

10 Adjunct Professor Kathryn Riddell (until July 2022)
Chief Nursing Officer, St Vincent's Hospital Melbourne

EXTERNAL

NRI STEERING COMMITTEE

11 Professor Emerita Judy Lumby AM *(until Feb 2022)*
 Emeritus Professor, University of Technology Sydney
 Honorary Professor, University of Sydney and University of Adelaide

12 Professor Emerita Jill White *(Nov 2022 – present)*
 Emeritus Professor, University of Technology Sydney
 Emeritus Professor, University of Sydney

AUSTRALIAN CATHOLIC UNIVERSITY

NRI STEERING COMMITTEE

13 Professor Suzanne Chambers AO
 (2022 Chair – Steering Committee)
 Executive Dean, Faculty of Health Sciences, Australian Catholic University

14 Professor Abid Khan *(Nov 2022 – present)*
 Deputy Vice-Chancellor Research and Enterprise
 Office of the Deputy Vice-Chancellor (Research and Enterprise)
 Australian Catholic University

15 Professor James McLaren *(until Oct 2022)*
 Interim Deputy Vice-Chancellor Research and Enterprise
 Office of the Deputy Vice-Chancellor (Research and Enterprise)
 Australian Catholic University

NRI MANAGEMENT COMMITTEE

16 Professor Elisabeth Jacob
 Head of School, School of Nursing, Midwifery and Paramedicine (VIC)
 Australian Catholic University

17 Associate Professor Cathy Dickson
 (2022 Chair – Management Committee)
 Head of School, School of Nursing, Midwifery and Paramedicine (NSW/ACT)
 Australian Catholic University

18 Professor Karen Nightingale
 National Head of School, School of Nursing, Midwifery and Paramedicine
 Australian Catholic University



NRI STAFF

DIRECTOR Professor Sandy Middleton 1

DEPUTY DIRECTOR Professor Elizabeth McInnes 2

RESEARCHERS / NRI SYDNEY

3 Tan Phat Bui

Research Officer (Casual)

4 Heilok Cheng

Research Officer (Casual)

5 Dr Lauren Christie

Allied Health Senior Implementation Science Research Fellow, St Vincent's Health Network Sydney

6 Simeon Dale

Clinical Research Fellow and QASC Trials Manager

7 Gail Del Olmo

Nursing Executive Officer, Maridulu Budyari Gumal Sydney Partnership for Health, Education, Research and Enterprise Implementation Science Research, St Vincent's Hospital Sydney

8 Dr Oyebola Fasugba

Senior Research Officer (Part-time)

9 Nicola Fearn

Senior Research Officer, Allied Health Research Unity

10 Erinn Gallagher (from April 2022)

Research Officer (Part-time)

11 Joylynn Israel

Research Officer (Maternity leave)

12 Professor Maree Johnson

Project Coordinator, Clinical Academic Pathways

13 Mark Liu

Research Officer (Part-time)

14 Dr Cintia Martinez-Garduno

Research Officer (Casual)

15 Benjamin McElduff

Research Officer/Statistician (Part-time)

16 Nhat Ngyen

Research Officer (Casual)

17 Sarah Walsh (from April 2022)

Research Officer

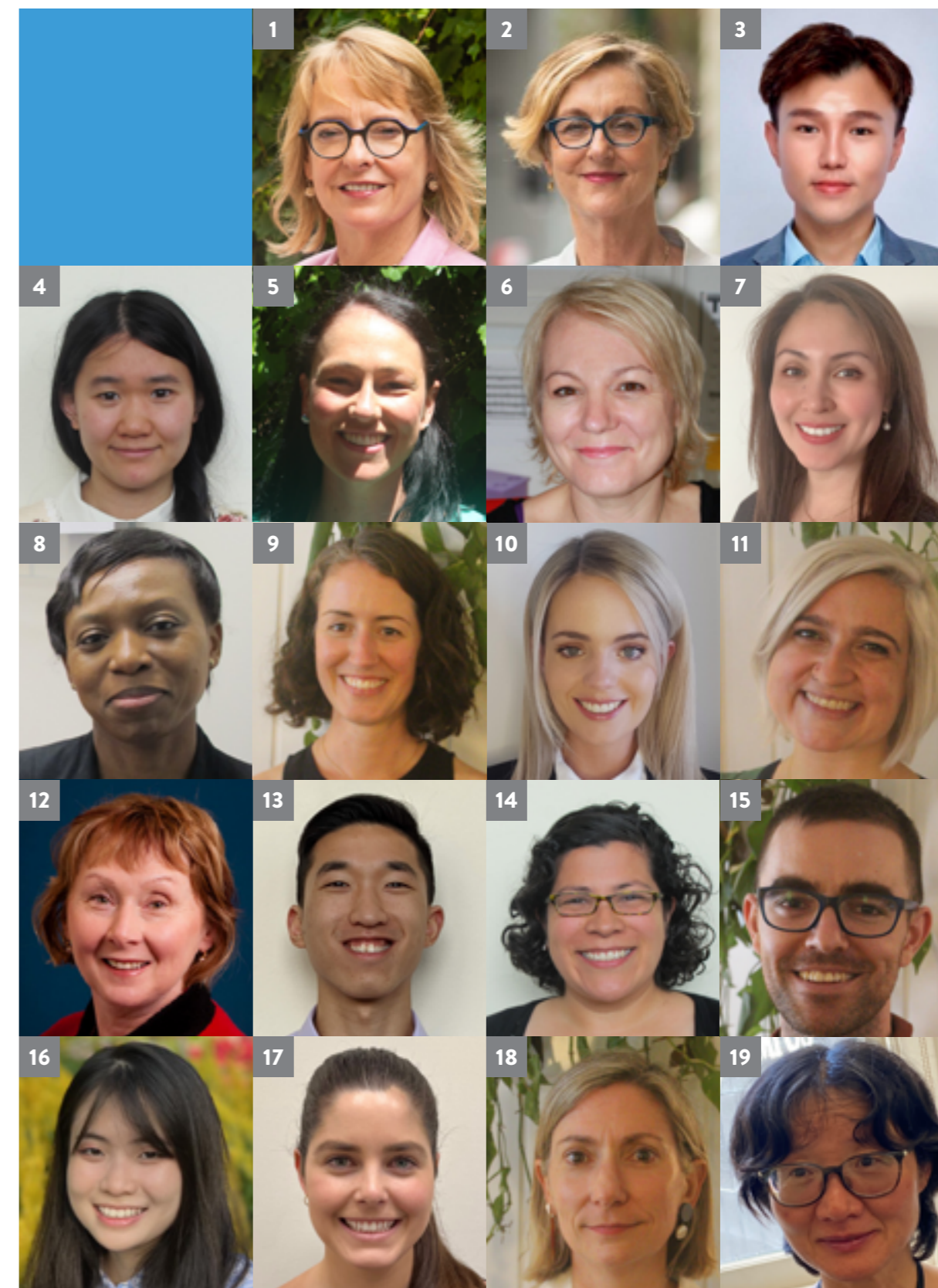
19 Susan Whittam

Clinical Nurse Consultant – Implementation Research, ACCELERATE Trial, St Vincent's Hospital Sydney

19 Dr Hairong Yu

Senior Research Officer (Casual)

NRI STAFF CONTINUED



RESEARCHERS / NRI
MELBOURNE

- 1 Dr Kathleen Bagot**
Research Officer (Casual)
- 2 Kelly Coughlan**
Research Officer (Part-time)
- 3 Alysia Coventry**
Senior Research Officer (Part-time)
- 4 Jayde Cuffe**
St Vincent’s Hospital Melbourne Research
Coordinator, ACCELERATE Trial
- 5 Jake McMahon**
St Vincent’s Hospital Melbourne Research
Coordinator, ACCELERATE Trial
- 6 Mika Musgrave-Takeda**
Research Assistant
- 7 Dr Ching San Wan**
Research Fellow, National Health and
Medical Research Council (NHMRC)
Centre of Research Excellence in Wiser
Wound Care

ADMINISTRATION

- 8 Tara Doyle**
Personal Assistant to the Director of NRI
(Part-time)
- 9 Hyery Im**
Executive Officer (Secondment May–
October 2022)
- 10 Joylynn Israel**
Personal Assistant to the Director of NRI
(Maternity leave)
- 11 Carmel Parker**
Personal Assistant to the Director of NRI
(Part-time)
- 12 Patty Zenonos**
Executive Officer



CLINICIAN RESEARCHERS

ST VINCENT'S HOSPITAL NETWORK SYDNEY

NURSING

1 Julie Gawthorne

Clinical Nurse Consultant, Emergency Department, St Vincent's Hospital Sydney • Maridulu Budyari Gumal Sydney Partnership for Health, Education, Research and Enterprise Implementation Science Research Platform

2 Kirsty Page

Clinical Nurse Consultant, St Vincent's Hospital Sydney • TEXAIS: Post-stroke hyperglycaemia – Treatment with Exenatide in Acute Ischaemic Stroke trial • AVERT-DOSE (Determining Optimal early rehabilitation after Stroke): A multi-arm covariate-adjusted, response-adaptive randomised controlled trial • ReCAPS: Recovery-focused Community support to Avoid readmissions and improve Participation after Stroke

3 Lisa Paquin

Clinical Nurse Consultant, Renal Ambulatory Care, St Vincent's Hospital Sydney • Peritoneal dialysis patients' health and well-being and satisfaction with care

4 Jane Rodgers

ACU Clinical Fellow, Clinical Nurse Consultant, Wound Care, St Vincent's Hospital Sydney • National Health and Medical Research Council Centre of Research Excellence in Wiser Wound Care

ALLIED HEALTH

5 Dr Paul Andrews

PhD, Social Work Educator, St Vincent's Hospital Sydney • A clinical service evaluation of an integrated social work led model of care in responding to domestic and family violence

6 Vivien Cheung

Dietitian & Research Assistant, Eating Disorders Service, St Vincent's Hospital Sydney • Barriers and facilitators to the delivery of evidence-based care for people with eating disorders in an acute care setting

7 Natasha Gillman

Stroke Unit Physiotherapist, St Vincent's Hospital Sydney • AVERT-DOSE (Determining Optimal early rehabilitation after Stroke): A multi-arm covariate-adjusted, response-adaptive randomised controlled trial

8 Mallory Hall

PhD candidate, Honorary Dietitian, St Vincent's Hospital Sydney • The impact of pre-operative nutrition support in heart and lung transplant patients: A feasibility study

9 Dr Susan Hart

PhD, Eating Disorders Co-ordinator, St Vincent's Hospital Sydney • Barriers and facilitators to the delivery of evidence-based care for people with eating disorders in an acute care setting

10 Andrea Huang

Occupational Therapist & Blinded Assessor, Allied Health Research Unit, St Vincent's Hospital Sydney • ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study

CLINICIAN RESEARCHERS CONTINUED



11 Laura Lincoln

Speech Pathologist, St Vincent's Hospital Sydney • The impact of speech pathology intervention pre 3-stage oesophagectomy on post-operative health outcomes

12 Kate Makroglou

Occupational Therapist & Blinded Assessor, Allied Health Research Unit, St Vincent's Hospital Sydney • ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study

CLINICIAN RESEARCHERS CONTINUED

13 Noah Mitchell

Physiotherapy Manager, St Vincent's Hospital Sydney • AVERT-DOSE (Determining Optimal early rehabilitation after Stroke): A multi-arm covariate-adjusted, response-adaptive randomised controlled trial

14 Jaslyn Nash

Occupational Therapist & Blinded Assessor, Allied Health Research Unit, St Vincent's Hospital Sydney • ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study

15 Lauren Pinney

Occupational Therapist & Blinded Assessor, Allied Health Research Unit, St Vincent's Hospital Sydney • ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study

16 Meredith Rogers

Senior Occupational Therapist & Accredited Hand Therapist, St Vincent's Hospital Sydney • AVERT-DOSE (Determining Optimal early rehabilitation after Stroke): A multi-arm covariate-adjusted, response-adaptive randomised controlled trial • Evaluation of patient satisfaction and outcomes associated with a hand therapy service in a metropolitan hospital

17 Adele Sheridan-Magro

Manager, Domestic and Family Violence Service, St Vincent's Hospital Sydney • A clinical service evaluation of an integrated social work led model of care in responding to domestic and family violence

18 Dr Christine Shiner

PhD, Senior Research Officer, Department of Rehabilitation and Pain Medicine, St Vincent's Hospital Sydney • ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study

19 Amelia Starkey

Speech Pathologist, St Vincent's Hospital Sydney • The impact of speech pathology intervention pre 3-stage oesophagectomy on post-operative health outcomes

20 Trang Truong

Physiotherapist & Blinded Assessor, Allied Health Research Unit, St Vincent's Hospital Sydney • ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study

ST VINCENT'S HOSPITAL NETWORK MELBOURNE

NURSING

21 John Forster

ACU Clinical Fellow
Mental Health Nurse Consultant, St Vincent's Hospital Melbourne • Optimising the response to mental health deterioration: nurses' experiences of using a Mental Health Observation Response Chart

22 Katherine McBrearty

Practice Development Nurse – Projects
• Understanding the short and longer-term impacts of a Registered Undergraduate Student of Nursing (RUSON) workforce

CLINICIAN RESEARCHERS CONTINUED



ST VINCENT'S HOSPITAL MELBOURNE (SVHM)

RESEARCH INTEREST GROUP MEMBERS

Kelly Coughlan (Co-Chair)

Research Officer, NRI

Alysia Coventry (Co-Chair)

Senior Research Officer, NRI

Professor Elizabeth McInnes

Deputy Director, NRI

Jayde Cuff

Research Coordinator

Katherine McBrearty

Practice Development Nurse

Jake McMahon

PhD candidate, ACU & NRI

Leslie Coe

Clinical Nurse Specialist, Geriatric Evaluation and Management

Virginia Walker

Manager (Acting), Early Career Programs

John Forster

Mental Health Nurse Consultant

Dr Ching Shan Wan

Research Fellow, NRI

Shaoyun Guan

Registered Nurse, Caritas Christi Hospice

Christal Guthrie

Coordinator – Undergraduate and PDY Program

Emma Reardon

Registered Nurse, Emergency Department

Rachel Zordan

Senior Research Fellow, Education and Learning

Megan Carmichael

Acting Nursing Manager, Emergency Department

Danila Durante

Librarian

Marcella Regester

Clinical Nurse Educator, Early Careers Coordinator

Kelly Mullins

Epicentre Research Nurse, Emergency Department

HDR STUDENTS SUPERVISED BY NRI STAFF

PHD CANDIDATES – NURSING

- 1 Minh Viet Bui** • AUSTRALIAN CATHOLIC UNIVERSITY
A mixed methods process evaluation of the Promoting Resilience in Nurses (PRiN) randomised controlled trial
 Principal Supervisor: Professor Kim Foster
 Co-Supervisor: **Professor Elizabeth McInnes**
 Associate Supervisor: Dr Gary Ennis (Eastern Health)
- 2 Kelly Coughlan** • AUSTRALIAN CATHOLIC UNIVERSITY
Fever, Hyperglycaemia (Sugar), Swallow (FeSS) clinical guidelines adherence: analysis of national audit data and stroke registry data
 Principal Supervisor: **Professor Sandy Middleton**
 Co-Supervisors: **Professor Elizabeth McInnes, Dr Oyebola Fasugba**
 Associate Supervisor (End-user): Kelvin Hill
- 3 Alysia Coventry** • UNIVERSITY OF MELBOURNE
Developing an intervention for the adult intensive care setting that prepares families for the possibility of death to improve their wellbeing during bereavement
 Principal Supervisor: Professor Peter Hudson (University of Melbourne)
 Co-Supervisor: Professor Marie Gerdtz (University of Melbourne)
 Associate Supervisor: **Professor Elizabeth McInnes**
- 4 Shantell Griffith** • AUSTRALIAN CATHOLIC UNIVERSITY
Bridging the research-practice gap: Using implementation frameworks to scale evidence-based knowledge translation in healthcare
 Principal Supervisor: Dr Michael Noetel
 Co-Supervisor: **Professor Sandy Middleton**
 Associate Supervisor Professor Dominique Cadilhac
- 5 Brett Jones** • AUSTRALIAN CATHOLIC UNIVERSITY
Code Stroke 2.0 Project: Examining the role of the acute stroke nurse during a code stroke call in the Emergency Department
 Principal Supervisor: **Professor Sandy Middleton**
 Co-Supervisor: **Professor Elizabeth McInnes**
 Associate Supervisor: **Dr Oyebola Fasugba**

HDR STUDENTS SUPERVISED BY NRI STAFF CONTINUED



6 Jake McMahon • AUSTRALIAN CATHOLIC UNIVERSITY
De-implementation of low-value pressure injury prevention and management in acute care settings

Principal supervisor: **Professor Elizabeth McInnes**

Supervisor: Associate Professor Louisa Lam

Co-Supervisor: **Dr Angela Wan**

Associate Supervisor (End-user): Jane Rodgers

7 Tara Purvis • MONASH UNIVERSITY
Clinician behaviour change in reducing variation in acute stroke care

Principal Supervisor: Professor Dominique Cadilhac

Co-Supervisor: Dr Monique Kilkenny

Associate Supervisor: **Professor Sandy Middleton**

8 Victoria Ramsden • AUSTRALIAN CATHOLIC UNIVERSITY
Sustaining improvements in the management of infants with bronchiolitis: A (Paediatric Research in Emergency Departments International Collaborative) PREDICT Study

Principal Supervisor: **Professor Elizabeth McInnes**

Co-Supervisor: Professor Peter Wilson

Associate Supervisors: Dr Emma Tavender (Murdoch Children's Research Institute) and

Professor Franz Babl (Murdoch Children's Research Institute)

PHD CANDIDATES – ALLIED HEALTH

9 Mallory Hall, PhD candidate • UNIVERSITY OF TECHNOLOGY SYDNEY
Pre-operative nutrition support in heart and lung transplant patients

Principal Supervisor: Professor Sally Inglis (University of Technology Sydney)

Co-Supervisors: Professor Peter Macdonald (UNSW & University of Technology Sydney);

Dr Lauren Christie; Dr Kelly Lambert (University of Wollongong)

10 Cameron Hemmert • MACQUARIE UNIVERSITY
The human impact of commercial delivery cycling injuries: A pilot retrospective cohort study

Principal Supervisor: Dr Mitchell Sarkies (Macquarie University)

Co-Supervisor: **Dr Lauren Christie**

11 Yu Chen Pang • MACQUARIE UNIVERSITY
The human impact of commercial delivery cycling injuries: A pilot retrospective cohort study

Principal Supervisor: Dr Mitchell Sarkies (Macquarie University)

Co-Supervisor: **Dr Lauren Christie**

HONOURS STUDENTS – NURSING

12 Ranran Ding • AUSTRALIAN CATHOLIC UNIVERSITY
Improving evidence-based nursing care in European stroke patients

Principal Supervisor: **Dr Oyebola Fasugba**

Co-Supervisor: Associate Professor Vasiliki Betihavas

Research Advisory Team: **Simeon Dale**; **Benjamin McElduff**

HONOURS STUDENTS – ALLIED HEALTH

13 Alexandra Chrystie • AUSTRALIAN CATHOLIC UNIVERSITY
Evaluation of patient satisfaction and outcomes associated with a hand therapy service in a metropolitan hospital

Principal supervisor: **Dr Lauren Christie**

Co-Supervisor: Dr Liana Cahill (ACU)

Associate Supervisor: Meredith Rogers (St Vincent's Health Network Sydney)

14 Erin Musgrove • AUSTRALIAN CATHOLIC UNIVERSITY
Barriers and facilitators to delivery of oral care in acute aged care at St Vincent's Hospital Sydney

Principal Supervisors: Dr Michelle Smith Tamaray (ACU); Dr Natalie Berg (ACU)

Project Partners: Alexis McMahon (St Vincent's Health Network Sydney); **Dr Lauren Christie**

15 Christiana Pereira • AUSTRALIAN CATHOLIC UNIVERSITY
The handwriting assessment battery for adults: a Delphi study

Principal Supervisors: **Dr Lauren Christie**; Dr Liana Cahill (ACU)

16 Bianca Portelli • AUSTRALIAN CATHOLIC UNIVERSITY
Impact of an online website on knowledge and implementation of constraint-induced movement therapy (CIMT) via telehealth

Principal Supervisors: **Dr Lauren Christie**; Dr Helen Badge (ACU)

Associate Supervisor: **Nicola Fearn** (St Vincent's Health Network Sydney)

17 Katie Weston • AUSTRALIAN CATHOLIC UNIVERSITY
Validation of administration of the nine-hole peg test with stroke survivors via telehealth

Principal Supervisors: **Dr Lauren Christie**; Dr Liana Cahill (ACU)

VALE PROFESSOR EMERITA JUDY LUMBY



It is with great sadness that in February 2022 we learnt of the passing of Professor Emerita Judy Lumby. Professor Lumby provided an immense contribution of support and knowledge to the Nursing Research Institute (NRI) Steering Committee since the inception of the NRI.

Professor Lumby's origins in clinical care as an Intensive Care Unit nurse served as the foundation upon which her academic career developed – primarily on patient-centred care improvements and ensuring nurses had a voice in decision-making. With her knowledge of academia and acute clinical care, Professor Lumby, along with a group of others, was instrumental in introducing the field of nursing into tertiary education. Professor Lumby's drive and efforts established her position as one of Australia's first Clinical Chairs in Nursing.

Professor Lumby will be sadly missed. She will be fondly remembered for her contribution to the professionalisation of nursing and through her passion and determination for improvement. She leaves an incredible legacy and a void in the hearts of the many lives she touched.

NRI EARLY CAREER RESEARCHER PROFILE

DR CHING SHAN WAN PhD, APD, MNutrDiet
NRI Research Fellow, Centre of Research Excellence (CRE) in Wiser Wound Care



Dr Ching Shan Wan presenting at the Dietitians Australia 2022 Conference held in Adelaide, August 2022.

Dr Ching Shan (Angela) Wan is an Accredited Practising Dietitian and Early Career Researcher appointed as Research Fellow funded by the National Health and Medical Research Council (NHMRC) Centre of Research Excellence (CRE) in Wiser Wound Care. She is also Adjunct Research Fellow at the Menzies Health Institute Queensland (Griffith University). Angela is an implementation science researcher and since 2014, has been involved in hospital evidence translation research projects focused on improving patient safety and reducing hospital readmissions.

Angela works with Professor Elizabeth McInnes as an investigator on the NHMRC CRE in Wiser Wound Care, led by Griffith University. Working with CRE researchers and St Vincent's Hospital partners in Sydney and Melbourne, Angela's research is focused on developing a clinician and consumer co-designed evidence-based intervention to improve the uptake of evidence-based guidelines for pressure injury prevention in hospitals.

Since commencing her role in 2021, Angela has obtained \$40k in Category 2–3 competitive grants. She is currently involved in updating a Cochrane review on *Nutritional interventions for preventing and treating pressure ulcers* (under review) and with CRE collaborators was an author on a systematic review and meta-analysis on the prognostic value of oedema measurement in predicting future pressure injury (published in the *International Journal of Nursing Studies* <https://doi.org/10.1016/j.ijnurstu.2022.104189>).

NRI RESEARCH PROFILES

SIMEON DALE RN, BA (Hons)

Clinical Research Fellow and QASC Trials Manager, NRI



Simeon Dale is the NRI Clinical Research Fellow and Quality in Acute Stroke Care (QASC) Trials Manager. Simeon's background is in critical care nursing, spanning 20 years and three countries.

Simeon was Trial Manager for the QASC trial, a multi-site, cluster randomised controlled trial that was published in 2011 in *The Lancet*. The trial showed that implementation of nursing protocols to manage fever, glucose and swallow (FeSS) difficulties following stroke significantly increased the chance of being alive and independent 90 days post hospital admission. Following this seminal trial, Simeon managed a pre-test/post-test study of NSW-wide implementation of the FeSS protocols in stroke units and then an NHMRC-funded trial, the T3 Trial, that aimed to implement the FeSS protocols into the emergency department.

Recently, Simeon has remotely managed from Australia the QASC Europe pre-test/post-test study that enrolled 64 hospitals in 17 countries. This study, a collaboration between the NRI, the European Stroke Organisation, the Angels Initiative and Registry of Stroke Care Quality (RES-Q), is the largest study undertaken within the QASC research program. It was highly successful, showing significantly improved FeSS protocol adherence:

In recognition of her expertise in the management of trials and large-scale evidence translation projects, in 2022 Simeon was awarded a Spirit of Excellence Award for commitment to excellence from the Angels Initiative at the World Stroke Congress in Singapore.



Simeon Dale (centre) pictured with Professor Sandy Middleton (left) and Dr Oyebola Fasugba (right) at the World Stroke Congress in Singapore.

NRI RESEARCH PROFILES CONTINUED

NICOLA FEARN BOT, PhD

Senior Research Officer, Allied Health Research Unit, NRI



Nicola Fearn works at the Allied Health Research Unit at St Vincent's Hospital Sydney (SVHS) with Dr Lauren Christie, and is based at the NRI. She is an occupational therapist and accredited lymphoedema therapist who has worked in acute and community health services in Australia and the United Kingdom. In 2022, Nicola completed her PhD, which examined the incidence and risk factors for breast lymphoedema following early breast cancer treatment.

At the end of 2022, Nicola, along with a multidisciplinary team from the Kinghorn Cancer Centre and in partnership with the NHMRC Centre of Research Excellence in Prostate Cancer Survivorship, was awarded a St Vincent's Curran Foundation Endowment Grant for the SUppoRting PATient-centred SurvivorShip at St Vincent's Health Network (SURPASS) Study. The study aims to implement a survivorship care plan for patients with cancer that is based on the 'Survivorship Essentials Framework' and 'My Personal Plan' developed by Professor Suzanne Chambers, Professor Jeff Dunn and the Prostate Cancer Foundation Australia.



Nicola Fearn presenting at the Australasian Lymphology Australia Conference in Hobart, May 2022.

NRI GRANTS AWARDED 2022

NRI TOTAL FUNDS AWARDED 2022: \$4,672,259

ALLIED HEALTH TOTAL FUNDS AWARDED 2022: \$79,090

NEW GRANTS 2022

NRI STAFF IN BOLD

CATEGORY 1 – NURSING

- 1 Hibbert P, Braithwaite J, Westbrook J, Magrabi F, Mumford V, Clay-Williams R, Lingam R, Salmon P, **Middleton S**. Improving the health system's response when patients are harmed: a mixed-methods study. National Health and Medical Research Council (NHMRC) Partnership Project Grant. Total funds awarded: \$1,500,000. (Project ID: APP2017219).
- 2 Lindley RI, **Middleton S**, Churilov L, Cadilhac DA, English C, Campbell B, Hayward K, Bladin C, Ferguson C, Thijs V. Centre of Research Excellence to Accelerate Stroke Trial Innovation and Translation. 2022 Centre of Research Excellence – Clinical Research Scheme. Total funds awarded: \$2,500,000. (Project ID: APP2015705).

CATEGORY 2 – NURSING

- 3 **Coughlan K, McInnes E, Middleton S**, Sanders L, Scarff P, **Fasugba O**. Fever, Hyperglycaemia (Sugar), Swallow (FeSS) clinical guidelines adherence: Analysis of national audit data and stroke registry data. St Vincent's Hospital Melbourne Research Endowment Fund 2022. Total funds awarded: \$4,600.
- 4 **Middleton S, Thornton A, McInnes E**, Slade D, Tuqiri K, Pollnow V, Kelly P, Law S, Ferguson C, McLean G. Associate Investigators: **Whittam S**, Duffy K, Bowen K, Aggar C, Robinson C, Chow J, Everett B, Frost S, Goncharov L, **McElduff B**. Assessment and Communication Excellence for Safe Patient Outcomes (The ACCELERATE Plus Trial). Maridulu Budyari Gumal Sydney Partnership for Health, Education, Research and Enterprise (SPHERE) Big Ideas Grant Scheme 2021. Total funds awarded: \$500,000.
- 5 **Middleton S**, Ferguson C. Maridulu Budyari Gumal SPHERE Implementation Science Platform. Maridulu Budyari Gumal SPHERE. Total funds awarded: \$100,000.

CATEGORY 3 – NURSING

- 6 **Coventry A**, Gerdtz M, **McInnes E**, Hudson P. 2022 Australian College of Critical Care Nursing National Education Grant. Total funds awarded: \$1,000.
- 7 **Coventry A**, Gerdtz M, **McInnes E**, Hudson P. 2022 Dame Quentin Bryce Research Fund, Centre for Palliative Care and The University of Melbourne, Department of Nursing. Total funds awarded: \$30,000.
- 8 **Coventry A**, Gerdtz M, **McInnes E**, Hudson P. Australian Nurses Memorial Centre – Aust Legion of Ex-Servicemen and Women Scholarship 2023. Total funds awarded \$5,000.
- 9 **Coventry A**, Gerdtz M, **McInnes E**, Hudson P. The PREPARE Study: Improving the PREPAREDness of family members for end-of-life care in the intensive care unit. Nicole King Scholarship. Total funds awarded: \$3,908.

NRI GRANTS AWARDED 2022 CONTINUED

- 10 **Fasugba O, Middleton S, McInnes E, Dale S**. Determining the optimal facilitation intensity to improve evidence uptake in healthcare settings: a systematic review. 2022 Australian Catholic University Faculty of Health Sciences Early and Mid-Career Research Project Grant. Total funds received: \$8,055.
- 11 **McMahon J, McInnes E, Riddell K, Coughlan K, Coventry A, Rihari-Thomas J**. Assessment and Communication Excellence for Safe Patient Outcomes (ACCELERATE) Trial Process Evaluation. St Vincent's Melbourne Research Endowment Fund 2021/2022. Total funds awarded: \$19,696.

CATEGORY 3 – ALLIED HEALTH

- 1 **Christie LJ**. What is health economics (and why should allied health professionals care)? An introductory workshop to economic evaluation in health services research. Health Education and Training Institute (HETI) Allied Health Workplace Learning Professional Development Grant 2021–2022. Total funds awarded: \$7,300.
- 2 **Fearn NR**, Heneka N, **Christie LJ**, Dear R, Krasovitsky M, Chen V, Chambers S, Dunn J. Supporting Patient-centred Survivorship (SURPASS) at St Vincent's Health Network: Adaptation and adoption of the 'My Personal Plan' Prostate Cancer Survivorship Care Plan for generic use. St Vincent's Curran Foundation 2022 Endowment Grant. Total funds awarded: \$56,290.
- 3 Jolliffe L, **Christie LJ**, Major B, Nicks R, Lannin NA. Equitable education: educational videos for therapists to support skilled-delivery of complex upper limb interventions. OT Australia Grant. Total funds awarded: \$11,000.
- 4 Trebilcock M, **Christie LJ**, Badge H, Nemeth E, Starkey A. Be the change: Students provide an evidence-based aphasia program through an Australian first interprofessional placement model. Australian Catholic University 2023 Faculty of Health Sciences Learning and Teaching Grants. Total funds awarded: \$4,500.

CONTINUING GRANTS 2022

NRI STAFF IN BOLD

CATEGORY 1 – NURSING

- 1 Babl F, Oakley E, Dalziel S, Borland M, **Middleton S**, Donath S, Craig S, Tavender E, Phillips N. Centre for Research Excellence in Paediatric Emergency Medicine (PEM). Centre of Research Excellence. Total funds awarded: \$2,498,970. (Project ID: APP1171228)
- 2 Bernhardt J, Donnan G, Churilov L, Langhorne P, Pandian J, Dewey H, Srikanth V, English C, Moodie M, **Middleton S**. AVERT-DOSE (Determining Optimal early rehabilitation after Stroke): A multi-arm covariate-adjusted, response-adaptive randomised controlled trial. NHMRC Project Grant. Total funds awarded: \$4,359,563. (Project ID: APP1139712)
- 3 Cadilhac DA, **Middleton S**, Kilkenny MF, Kleinig T, Grimley R, Kim J. Improving life after stroke with tailored support: Innovation in use of national registry data. NHMRC Medical Research Future Fund – Cardiovascular Health Mission. Total funds awarded: \$509,444. (Project ID: APP2008668)
- 4 Chaboyer W, Gillespie BM, **McInnes E**, Rickard C, Scuffham P, Glasziou P, Princess IS, Ullman A, Thalib L, Chopra V. Centre of Research Excellence in Wiser Wound Care. Centre of Research Excellence. Total funds awarded: \$2,500,000. (Project ID: APP1196436)
- 5 Donnan G, Davis S, Cadilhac DA, Rice H, Parsons M, **Middleton S**, Yan B, Smith K, Campbell B, Churilov L. The Stroke Golden Hour: delivering urgent stroke care to Australians. NHMRC Medical Research Future Fund – Frontier Health and Medical Research Fund. Total funds awarded: \$40,167,052. (Project ID: n/a)

- 6 Douglas C, **Middleton S**, Gardner G, Kelly P, Morton R, **McInnes E**, Windsor C. Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an Evidence-based CORE assessment protocol (ENCORE). NHMRC Partnership Project Grant. Total funds awarded: \$1,069,268. (Project ID: APP1145859)
- 7 Keech A, Lal S, Macdonald P, Ferguson C, Ryan C, Jenkins A, Dempsey K, Chow C, O'Connell R, Kilov G. Associate Investigator: **Middleton S**. Digital solutions for heart failure best practice care. NHMRC Medical Research Future Fund – Cardiovascular Health Mission. Total funds awarded: \$943,765. (Project ID: APP2009251)
- 8 **Middleton S**. Transforming acute hospital care to improve outcomes for stroke. NHMRC Leadership 2 Investigator Grant, 2021–2025. Total funds awarded: \$1,350,000. (Project ID: APP1196352)
- 9 Perry L, Center J, Harris I, Clifton-Bligh R, Hassett G, Nguyen T, **McInnes E**, White C, Frost S. Translation of best practice osteoporosis refracture prevention: stopping fragility fractures to keep Australians out of hospital. NHMRC Medical Research Future Fund. Total funds awarded: \$897,729. (Project ID: APP1176600)
- 10 Rose M, Togher L, Copland D, Kneebone I, Bernhardt J, Lindley RI, Carey L, Godecke E, Cadilhac DA, Churilov L. Associate Investigator: **Middleton S**. Centre of Research Excellence in aphasia recovery and rehabilitation. Centre of Research Excellence. Total funds awarded: \$2,495,793. (Project ID: APP1153236)
- 11 Taylor N, Thomas D, Tucker K, Ballinger M, Zaheed M, Lin F, Goldstein D, Morrow A, Leaney K, Gough M, Schroeder L, Butow P, Young J, **Middleton S**. P-OMICS-flow grant [Precision Medicine Clinic]. Medical Research Futures Fund – Rapid Applied Research Translation Grant. Total funds awarded: \$5,868,917. (Project ID: RARUR000125)
- 12 van Vliet P, Carey L, Turton A, McElduff P, Kwakkel G. Associate Investigator: **Middleton S**. Improving arm function after stroke using task specific training. NHMRC Project Grant. Total funds awarded: \$832,596. (Project ID: APP1129008)

CATEGORY 2 – NURSING

- 13 **Riddell K, McInnes E** (Co-Chief Investigators). Transforming nursing assessment in acute care. Nurses Board Victoria Legacy Limited Research Fund. Total funds awarded: \$198,000
- 14 **Thornton A**, Tuqiri K, Daly B, **Taylor J, Middleton S**. Associate Investigators: **Gawthorne J, McInnes E, Christie LJ**. The Nursing Implementation Science Laboratory. Nursing and Midwifery Strategy Reserve Funding 2021/2022 – NSW Health. Total funds awarded: \$175,820.
- 15 **Thornton A**, Tuqiri K, Daly B, **Taylor J, Middleton S**, Pollnow V. Associate Investigators: **McInnes E**, Slade D, Goncharov L, **Rihari-Thomas J, Whittam S**, Langley T. The ACCELERATE Plus Trial: Assessment and Communication Excellence for safe patient outcomes. Nursing and Midwifery Strategy Reserve Funding 2021/2022 – NSW Health. Total funds awarded: \$259,580.
- 16 Tuqiri K, Daly B, **Thornton A, Taylor J, Middleton S**, Pollnow V. Associate Investigators: **McInnes E**, Slade D, Goncharov L, **Rihari-Thomas J, Whittam S**, Langley T. The ACCELERATE Plus Trial: Assessment and Communication Excellence for safe patient outcomes – Prince of Wales Hospital. Nursing and Midwifery Strategy Reserve Funding, NSW Health 2021/2022. Total funds awarded: \$237,580.

CATEGORY 3 – NURSING

- 17 Alexandrov AW, Alexandrov A, Metter EJ, Thomas F, Tsvigoulis G, **Middleton S**. Zero Degree head positioning in acute ischemic stroke (ZODIAC). National Institute of Health (USA). Total funds awarded: US\$2,362,361 (A\$3,334,236).

- 18 Cadilhac DA, **Middleton S**, Grimley R, Pandian J, Nguyen TH, Vo TTC, Tran BQ, Watkins DCL, Lightbody E, Boaden E. RAVIE – Improving the capacity to deliver evidence-based care for acute stroke using educational workshops in developing countries. Australian Academy of Science Regional Collaborations Round 2. Total funds awarded: \$260,519.
- 19 McBrearty K, Jordan R, Murphy J, **Riddell K**, Walker V, Martin J, Jacob E, **McInnes E**. Understanding the short and longer-term impacts of a Registered Undergraduate Student of Nursing (RUSON) workforce. Research Endowment Fund Grant. Total funds awarded: \$39,450.
- 20 **McMahon J, McInnes E, Riddell K, Coughlan K, Coventry A, Rihari-Thomas J**. The Assessment and Communication Excellence for safe patient outcomes (The ACCELERATE Trial): Process Evaluation. St Vincent's Research Endowment Fund 2021/2022. Total funds awarded: \$19,696.
- 21 **Middleton S, Dale S, McInnes E**, Levi C, Cheung NW, Grimshaw J, D'Este C, Cadilhac DA, Quinn C. Quality in Acute Stroke Care Europe: A proposal to implement and evaluate nurse-initiated evidence-based stroke care in Europe, to manage fever, hyperglycaemia and swallowing difficulties. European Stroke Organisation. Total funds awarded: \$1,251,732.
- 22 Slade D, **Thornton A, Taylor J, Middleton S**. Effective communication in clinical handover: research and intervention to improve patient safety and satisfaction at St Vincent's and St Joseph's hospitals. St Vincent's Curran Foundation. Total funds awarded: \$25,000.
- 23 **Wan CS, McInnes E**. Clinician and patient views of evidence based wound care. Mixed methods review. Faculty of Health Early Career Researcher Grant. Total funds awarded: \$7,000.

CATEGORY 3 – ALLIED HEALTH

- 1 **Christie LJ**, McCluskey A, **Middleton S**, Boydell J, Meharg A, Kilkenny A, Shiner C, Faux S. ReCITE: Remote Constraint Induced Therapy of the upper Extremity – An implementation study. Stroke Foundation – Early Career Seed Grant. Total funds awarded: \$49,498.
- 2 **Christie LJ**, Shiner C, Faux S, Boydell J, Meharg A, Kilkenny A, Doussoulin Sanhueza A, McCluskey A. ReCITE: Remote Constraint Induced Therapy of the upper Extremity: An implementation study. St Vincent's Clinic Foundation 2021 Multidisciplinary Patient Focused Research Grant. Total funds awarded: \$25,000.
- 3 Hall M, **Christie LJ**, Inglis S, Macdonald P, Plitt M, Liu Z. The impact of pre-operative nutrition support in heart and lung transplant patients: examining feasibility and acceptability. St Vincent's Clinic Foundation 2022 Multidisciplinary Patient Focused Research Grant. Total funds awarded: \$25,000.
- 4 Hart S, **Christie LJ, Gawthorne J**, Armstrong M, **Lazar M, Williams D**, Woods N, Greenfield J, Babidge N, Gill K. Barriers and facilitators to the delivery of evidence based care for people with eating disorders in an acute care setting. St Vincent's Centre for Applied Medical Research for the Inclusive Health Innovation Fund Grant 2021. Total funds awarded: \$30,000.
- 5 **Lazar M, Christie LJ**. The Allied Health Research project: Improving outcomes from new models of allied health. St Vincent's Curran Foundation Endowment Grant. Total funds awarded: \$52,045.
- 6 Parsons M, Lange D, Behar J, Middleton P, **Christie LJ**. Stroke smart ambulance: The ambulance of the future. Ingham Institute of Applied Medical Research – Technion Australia Competitive Grant Program. Total funds awarded: \$350,000.

Category 1: Australian Competitive Grants – Australian competitive grant research and development incomes

Category 2: Funding from the Australian public sector – Australian Government schemes and business enterprises that don't meet the Category 1 assessment and state and local governments and partly government-owned or funded bodies

Category 3: Industry and Other Research Income – comprises funding from the private sector, philanthropic and international sources

NRI PEER-REVIEWED PUBLICATIONS

NRI staff (current and past) in bold

NURSING

- 1 **Bagot K**, Purvis T, Hancock S, Zhao H, Coote S, Easton D, Campbell B, Davis S, Donnan G, Foster S, Lagenberg F, Smith K, Stephenson M, Bernard S, McGowan S, Yan B, Mitchell P, **Middleton S**, Cadilhac D. Interdisciplinary interactions, social systems and technical infrastructure required for successful implementation of Mobile Stroke Units: a qualitative process evaluation. *Journal of Evaluation in Clinical Practice*. Accepted 29 November 2022.
- 2 Bloomer MJ, Ranse K, Adams L, Brooks LA, **Coventry A**. “Time and life is fragile”: An integrative review of nurses’ experiences after patient death in adult critical care. *Australian Critical Care*. Epub ahead of print 10 November 2022. <https://doi.org/10.1016/j.aucc.2022.09.008>
- 3 Bui MV, **McInnes E**, Ennis G, Foster K. Protocol for a mixed methods process evaluation of the Promoting Resilience in Nurses (PRiN) Trial. *International Journal of Mental Health Nursing* 2022; 31(3): 687–696. <https://doi.org/10.1111/inm.12989>
- 4 Cadilhac DA, Marion V, Andrew NE, Breen S, Grabsch B, Purvis T, Morrison JL, Lannin NA, Grimley R, **Middleton S**, Kilkenny MF. A stepped-wedge cluster-randomized trial to improve adherence to evidence-based practices for acute stroke management. *Joint Commission Journal on Quality and Patient Safety* 2022; 48(12): 653–664. <https://doi.org/10.1016/j.jcjq.2022.09.003>
- 5 Cadilhac DA, Kim J, Cloud G, Anderson CS, Tod EK, Breen SJ, Faux S, Kleinig T, Castley H, Lindley RI, **Middleton S**, Yan B, Hill K, Jones B, Shah D, Jaques K, Clissold B, Campbell B, Lannin NA; on behalf of AuSCR COVID-19 Reporting Consortium Group. Effect of the coronavirus disease 2019 pandemic on the quality of stroke care in stroke units and alternative wards: A national comparative analysis. *Journal of Stroke* 2022; 24(1): 79–87. <https://doi.org/10.5853/jos.2021.02530>
- 6 Catling C, Donovan H, Phipps H, **Dale S**, Chang S. Group clinical supervision for midwives and burnout: a cluster randomized controlled trial. *BMC Pregnancy and Childbirth* 2022; 22(1): 309. <https://doi.org/10.1186/s12884-022-04657-4>
- 7 Chaboyer W, Coyer F, Harbeck E, Thalib L, Latimer S, **Wan CS**, Tobiano G, Griffin BR, Campbell JL, Walker R, Carlini JC, Lockwood I, Clark J, Gillespie BM. Oedema as a predictor of the incidence of new pressure injuries in adults in any care setting: a systematic review and meta-analysis. *International Journal of Nursing Studies* 2022; 128: 104189. <https://doi.org/10.1016/j.ijnurstu.2022.104189>
- 8 Coote S, Mackay E, Alexandrov AW, Cadilhac DA, Alexandrov AV, Easton D, Zhao H, Langenberg F, Bivard A, Stephenson M, Parsons MW, Campbell BCV, Donnan GA, Davis SM, **Middleton S**. The mobile stroke unit nurse: An international exploration of their scope of practice, education, and training. *Journal of Neuroscience Nursing* 2022; 54(2): 61–67. <https://doi.org/10.1097/JNN.0000000000000632>
- 9 **Coventry A**, Gerdtz M, **McInnes E**, Hudson P. Fostering positive psychosocial outcomes for families in the intensive care unit: A scoping review protocol of interventions that help prepare families for the possibility of death. *Open Science Framework*. Epub ahead of print 1 April 2022. <https://doi.org/10.17605/OSF.IO/KS2BM>
- 10 Curtis K, Kourouche S, Asha S, Buckley T, Considine J, **Middleton S**, Mitchell R, Munroe B, Shaban RZ, Lam M, Fry M. Effect of an intervention for patients 65 years and older with blunt chest injury: patient and health service outcomes. *Injury* 2022; 53(9): 2939–2946. <https://doi.org/10.1016/j.injury.2022.04.024>
- 11 Dempsey K, Ferguson C, Walczak A, **Middleton S**, Levi C, Morton RL. Which strategies support the effective use of clinical practice guidelines and clinical quality registry data to inform health service delivery? A systematic review. *Systematic Reviews* 2022; 11:237 <https://doi.org/10.1186/s13643-022-02104-1>
- 12 Eckert M, Rickard C, Kennedy K, **Middleton S**, Whitehead L, Keogh S, Finn J, Gray R, Neville S, Homer C, Gilkinson A, Baird K, Sharplin G. Harnessing nursing and midwifery workforce to boost Australia’s clinical research impact. *Medical Journal of Australia* 2022; 217 (10): 514–516. <https://doi.org/10.5694/mja2.51758>
- 13 English C, Hill K, Davie J, English KS, Cadilhac DA, Faux S, Hackett M, Lannin NA, **Middleton S**, Ranta A, Simpson F, Stocks N, Murphy L, Godecke E, Campbell B. Living clinical guidelines for stroke: updates, challenges and opportunities. *Medical Journal of Australia* 2022; 216(10): 510–514. <https://doi.org/10.5694/mja2.51520>
- 14 **Fearn NR**, Llanos C, Dylke ES, Stuart K, Kilbreath S. Quantification of breast lymphoedema following conservative breast cancer treatment: A systematic review. *Journal of Cancer Survivorship*. Epub ahead of print 27 October 2022. <https://doi.org/10.1007/s11764-022-01278-w>
- 15 **Fearn NR**, Meybodi F, Kilbreath S, Dylke ES, Llanos C, Swanton C, Stuart K. Reliability and measurement error of breast volume quantification using 3D surface imaging. *Lymphatic Research and Biology*. Epub ahead of print 26 September 2022. <https://doi.org/10.1089/lrb.2022.0015>
- 16 Fish JA, Rickard CM, Gray R, **Middleton S**, Homer C, Keogh S, Leslie G, Neme F, Neville S, Sharplin G, Whitehead L, Yates P, Eckert M. Nurse- and midwife-led trials in Australia and New Zealand: A scoping review protocol. *Collegian* 2022; 29: 793–798. <https://doi.org/10.1016/j.colegn.2022.05.005>
- 17 **Forster J**, **Coventry A**, Daniel C. Optimising the response to mental health deterioration: nurses experiences of using a Mental Health Observation Response Chart in general hospital wards. *International Journal of Mental Health Nursing* 2022 Sep 2. <https://doi.org/10.1111/inm.13062>
- 18 Godecke E, Brogan E, Ciccone N, Rose ML, Armstrong E, Whitworth A, Ellery F, Holland A, **Middleton S**, Rai T, Hankey GJ, Cadilhac DA, Bernhardt J. Treatment fidelity monitoring, reporting and findings in a complex aphasia intervention trial: a substudy of the Very Early Rehabilitation in SpEech (VERSE) trial. *Trials* 2022; 23: 501. <https://doi.org/10.1186/s13063-022-06433-3>
- 19 Halligan D, Janes G, Conner MT, Albutt A, Debono D, Carland J, **Middleton S**, Sheppard-Law S, Taylor N, Ferguson C, **McInnes E**, Lawton RJ. Identifying perceived low-value safety practices: An exploratory survey of healthcare staff’s perceptions in the UK and Australia. *Journal of Patient Safety*. Epub ahead of print 16 December 2022. DOI: 10.1097/PTS.0000000000001091
- 20 **Hamilton H**, **Dale S**, **McElduff B**, **Craig LE**, **Fasugba O**, **McInnes E**, Alexandrov AW, Cadilhac DA, Lightbody E, Watkins DCL, **Middleton S**. The role of stroke nurses in thrombolysis administration in Australia and the United Kingdom: A cross-sectional survey of current practice. *Journal of Clinical Nursing* 2022; 31:158–166. <https://doi.org/10.1111/jocn.15892>
- 21 Kourouche S, Curtis K, Munroe B, Asha SE, Carey I, Considine J, Fry M, Lyons J, **Middleton S**, Mitchell R, Shaban RZ, Unsworth A, Buckley T. Implementation of a hospital-wide multidisciplinary blunt chest injury care bundle (ChIP): Fidelity of delivery evaluation. *Australian Critical Care* 2022; 35(2): 113–122. <https://doi.org/10.1016/j.aucc.2021.04.003>
- 22 McWilliams L, Paisi M, **Middleton S**, Shaw J, **Thornton A**, Larkin, **Taylor J**, Currie J. Scoping review: Scope of practice of nurse-led services and access to care for people experiencing homelessness. *Journal of Advanced Nursing* 2022; 78(11): 3587–3606. <https://doi.org/10.1111/jan.15387>
- 23 **Middleton S**, **Dale S**, **McElduff B**, **Coughlan K**, **McInnes E**, Mikulik R, Fischer T, van der Merwe J, Cadilhac DA, D’Este C, Levi C, Grimshaw J, Grecu A, Quinn C, Cheung N, Koláčná T, Medukhanova S, Sanjuan E, Salselas S, Messendor G, Cassier-Woidasky AK, Skrzypec-Czerko M, Slavat-Plana M, Urso A, Pfeilschifter W. Translation of nurse-initiated protocols to manage fever, hyperglycaemia, and swallowing following stroke across Europe (QASC Europe): a prospective pre-test/post-test implementation study. *European Stroke Journal* 2022 <https://doi.org/10.1177/23969873221126027>

NRI PEER-REVIEWED PUBLICATIONS CONTINUED

- 24 **Phan HT, Nguyen TH**, Watkins DCL, Lightbody E, Boaden E, Georgiou R, **Middleton S, Dale S**, Kilkenny MF, Pandian J, Grimly RS, Nguyen TQ, Cadilhac DA. Organisational survey for acute stroke care in Vietnam: Regional Collaboration Programme. *Journal of Stroke and Cerebrovascular Diseases* 2022; 31(11): 106792. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2022.106792>
- 25 Purvis T, **Middleton S**, Alexandrov AW, Kilkenny MF, Coote S, Kuhle S, Cadilhac DA. Exploring barriers to stroke coordinator roles in Australia: a national survey. *Collegian* 2022; 29(4): 423–429. <https://doi.org/10.1016/j.colegn.2021.12.007>
- 26 **Ramsden V**, Babl FE, Dalziel SR, **Middleton S**, Oakley E, Haskell L, Lithrow A, Orsini F, Shembri R, Wallace A, Wilson CL, **McInnes E**, Wilson PH, Tavender E. Sustainability of evidence-based practices in the management of infants with bronchiolitis in hospital settings – A PREDICT study protocol. *BMC Health Services Research* 2022; 22:1099. <https://doi.org/10.1186/s12913-022-08450-z>
- 27 **Ramsden V, Middleton S, McInnes E**, Babl FE, Tavender E. Review Article: A primer for clinical researchers in the Emergency Department: Part XII. Sustainability of improvements in care: An Introduction. *Emergency Medicine Australasia* 2022; 34: 670–674. <https://doi.org/10.1111/1742-6723.14052>
- 28 **Riddell K**, Bignell L, Bourne D, Boyd L, Crowe S, Cucanic S, Flynn M, Gillan K, Heinjus D, Mathieson J, Nankervis K, Reed F, Townsend L, Twomey B, Weir-Phyland J, **Bagot KL**. The context, contribution and consequences of addressing the COVID-19 pandemic: A qualitative exploration of executive nurses' perspectives. *Journal of Advanced Nursing* 2022; 78(7): 2214–2231. <https://doi.org/10.1111/jan.15186>
- 29 **Rihari-Thomas J, Whittam S**, Goncharov L, Slade D, **McElduff B, Pritchard T, McMahan J, Coventry A, Coughlan K**, Steadward Y, **Taylor J, Thornton A, Riddell K**, Tuqiri K, Oleson K, Dahm M, Chien L, Kelly P, **McInnes E, Middleton S**. Assessment and communication excellence for safe patient outcomes (ACCELERATE): A stepped-wedge cluster randomised trial protocol. *Collegian* 2022; 29(5): 799–805. <https://doi.org/10.1016/j.colegn.2022.06.006>

ALLIED HEALTH

- 1 Cameron LJ, Wales K, Casey A, Pike S, Jolliffe L, Schneider EJ, **Christie LJ**, Ratcliffe J, Lannin NA. Self-reported quality of life following stroke: a systematic review of instruments with a focus on their psychometric properties. *Quality of Life Research* 2022; 31(2): 329–342. <https://doi.org/10.1007/s11136-021-02944-9>
- 2 **Christie LJ, Fearn NR**, McCluskey A, Lannin NA, Shiner CT, Kilkenny A, Boydell J, Meharg A, Howes E, Churilov L, Faux S, Doussoulin A, **Middleton S**. Remote constraint induced therapy of the upper extremity (ReCITE): A feasibility study protocol. *Frontiers in Neurology* 2022, 13:1010449. <https://doi.org/10.3389/fneur.2022.1010449>
- 3 **Christie LJ, Fearn NR**, McCluskey A, Lovarini M, Rendell R, Pearce A. Cost-effectiveness of constraint-induced movement therapy implementation in neurorehabilitation: The ACTIveARM Project. *PharmacoEconomics Open* 2022; 6: 437–450. <https://doi.org/10.1007/s41669-022-00323-9>
- 4 **Christie LJ**, Rendell R, McCluskey A, **Fearn NR**, Hunter A, Lovarini M. Adult experiences of constraint-induced movement therapy programs: A qualitative study using the Theoretical Domains Framework and Capability, Opportunity, Motivation – Behaviour system. *Brain Impairment* 2022; 1–16. <https://doi.org/10.1017/BrImp.2022.18>
- 5 **Fearn NR**, Dylke ES, Bailey D, Kilbreath SL. Lymphoscintigraphy as an outcome measurement for conservative upper limb lymphedema treatments: A systematic review. *Lymphatic Research and Biology* 2022; 20(3): 248–259. <https://doi.org/10.1089/lrb.2021.0050>
- 6 **Fearn NR**, Llanos C, Dylke ES, Stuart K, Kilbreath S. Quantification of breast lymphoedema following conservative breast cancer treatment: A systematic review. *Journal of Cancer Survivorship* 2022. Epub ahead of print. <https://doi.org/10.1007/s11764-022-01278-w>

- 7 **Fearn NR**, Meybodi F, Kilbreath S, Dylke ES, Llanos C, Swanton C, Stuart K. Reliability and measurement error of breast volume quantification using 3D surface imaging. *Lymphatic Research and Biology* 2022. Epub ahead of print. DOI: 10.1089/lrb.2022.0015
- 8 Hassett L, Jennings M, Brady B, Pinheiro M, Haynes A, Sidhu B, **Christie LJ**, Dennis S, Pearce A, Howard K, Greaves C, Sherrington C. Brief physical activity counselling by physiotherapists (BEHAVIOUR): protocol for an effectiveness-implementation hybrid type II cluster randomised controlled trial. *Implementation Science Communications* 2022; 3(1): 39. <https://doi.org/10.1186/s43058-022-00291-5>
- 9 Kilbreath SL, **Fearn NR**, Dylke ES. Ultrasound: Assessment of breast dermal thickness: Reliability, responsiveness to change, and relationship to patient-reported outcomes. *Skin Research and Technology* 2022; 28(1): 111–118. <https://doi.org/10.1111/srt.13100>
- 10 Nisbet G, Thompson T, McAllister S, Brady B, **Christie LJ**, Jennings M, Kenny B, Penman M. From burden to benefit: a multi-site study of the impact of allied health work-based learning placements on patient care quality. *Advances in Health Sciences Education*. Epub ahead of print 19 November 2022. <https://doi.org/10.1007/s10459-022-10185-9>
- 11 Sarkies MN, Hemmert C, Pang Y, Shiner CT, McDonnell K, Mitchell R, Lystad, RP, Novy M, **Christie LJ**. The human impact of commercial delivery cycling injuries: a pilot retrospective cohort study. *Pilot and Feasibility Studies* 2022; 8(1): 116. <https://doi.org/10.1186/s40814-022-01077-1>

NRI PROJECTS

In 2022, NRI and Allied Health Research Unit researchers collaborated on 34 research projects. Nine were led by NRI researchers* with the remaining projects as co-investigators. Twenty projects^ involved collaboration with our St Vincent's Health Australia partners.

NURSING

PROJECT BY NATIONAL SAFETY AND QUALITY HEALTH SERVICE STANDARDS		FUNDING SOURCE	ST VINCENT'S HEALTH AUSTRALIA CAMPUSES
STANDARD 1: CLINICAL GOVERNANCE			
1	The Nursing Implementation Science Laboratory [^] (Also Standard 5)	NSW Nursing and Midwifery Strategy Reserve Funding	St Vincent's Hospital Sydney
STANDARD 2: PARTNERING WITH CONSUMERS			
2	ACCELERATE Trial: Assessment and Communication Excellence foR sAfe paTient outcomEs [^] (Also Standard 5, 6 and 8)	NSW Nursing and Midwifery Strategy Reserve Funding; Nurses Board Victoria Legacy Limited Research Fund; St Vincent's Research Endowment Fund	St Vincent's Hospital Sydney St Vincent's Hospital Melbourne [Also with Prince of Wales Hospital]
3	The ACCELERATE Plus Trial: Assessment and Communication Excellence foR sAfe paTient outcomEs [^] (Also Standard 5, 6 and 8)	NSW Nursing and Midwifery Strategy Reserve Funding; Maridulu Budyari Gumal – SPHERE Big Ideas Grant	St Vincent's Hospital Sydney St Vincent's Hospital Melbourne [Also with six other NSW Hospitals]
4	Centre of Research Excellence in Wiser Wound Care [^] : Improving evidence based pressure injury prevention (Also Standard 5)	National Health and Medical Research Council	St Vincent's Hospital Melbourne St Vincent's Hospital Sydney
5	Peritoneal dialysis patients' health and wellbeing and satisfaction with care [^]	Nil	St Vincent's Hospital Sydney

NRI PROJECTS CONTINUED

6	The Stroke Golden Hour: delivering urgent stroke care to Australians (Also Standard 5)	Medical Research Future Fund – Frontier Health and Medical Research	N/A
7	ReCAPS: Recovery-focused Community support to Avoid readmissions and improve Participation after Stroke [^]	National Health and Medical Research Council; Victorian Medical Research Acceleration Fund	N/A
STANDARD 5: COMPREHENSIVE CARE			
8	AVERT-DOSE (Determining Optimal early rehabilitation after Stroke): A multi-arm covariate-adjusted, response adaptive randomised controlled trial [^]	National Health and Medical Research Council	St Vincent's Hospital Sydney [Combined project with Allied health]
9	Centre for Research Excellence in Paediatric Emergency Medicine (PEM)	National Health and Medical Research Council	N/A
10	Centre of Research Excellence in aphasia recovery and rehabilitation	National Health and Medical Research Council	N/A
11	Code Stroke 2.0 Project: Examining the role of the acute stroke nurse during a code stroke call in the Emergency Department [^]	Nil	N/A
12	Digital solutions for heart failure best practice care	National Health and Medical Research Council	N/A
13	Improving arm function after stroke using task specific training	National Health and Medical Research Council	N/A
14	Improving life after stroke with tailored support: Innovation in use of national registry data 14 (A-LISTS AuSCR)	National Health and Medical Research Council	N/A
15	P-OMICS-flow grant [Precision Medicine Clinic]	National Health and Medical Research Council	N/A
16	Quality in Acute Stroke Care (QASC) Europe Project [*]	European Stroke Organisation	N/A

NRI PROJECTS CONTINUED

17	Quality in Acute Stroke Care (QASC) Australia Project*^	National Health and Medical Research Council	N/A
18	RAVIE – Improving the capacity to deliver evidence-based care for acute stroke using educational workshops in developing countries	Australian Academy of Science – Regional Collaborations Program	N/A
19	Translation of best practice osteoporosis refracture prevention: Stopping fragility fractures to keep Australians out of hospital^	Medical Research Future Fund	St Vincent’s Hospital Sydney
20	Transforming acute hospital care to improve outcomes for stroke*	National Health and Medical Research Council	N/A
21	Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an EvidNce-based CORE assessment protocol (ENCORE)^	National Health and Medical Research Council	St Vincent’s Hospital Sydney St Joseph’s Hospital St Vincent’s Hospital Melbourne
22	ZODIAC: ZerO Degree head positioning In Acute ischemiC stroke	National Institute of Health, USA	N/A
STANDARD 6: COMMUNICATING FOR SAFETY			
23	Effective communication in clinical handover: research and intervention to improve patient safety and satisfaction at St Vincent’s and St Joseph’s hospitals^	St Vincent’s Curran Foundation	St Vincent’s Hospital Sydney St Joseph’s Hospital St Vincent’s Hospital Melbourne
STANDARD 8: RECOGNISING AND RESPONDING TO CLINICAL DETERIORATION			
24	Identification of mental health deterioration in generalist settings^	Inclusive Health Program, St Vincent’s Hospital Australia	St Vincent’s Hospital Melbourne
25	The PREPARE Study: Improving the PREPAREdness of family members for end-of-life care in the intensive care unit*^	Nil	St Vincent’s Hospital Melbourne

NRI PROJECTS CONTINUED

OTHER			
26	Optimising the Scope of Practice of Nurses Providing Healthcare to People Experiencing Homelessness^	St Vincent’s Health Australia Inclusive Health Program	St Vincent’s Health Network Sydney
27	ReCITE (Remote Constraint Induced Therapy of the upper Extremity): An implementation study*^	St Vincent’s Clinic Foundation 2021 Multidisciplinary Patient Focused Research Grant	St Vincent’s Health Network Sydney [Combined project with Allied health]
28	Understanding the short and longer-term impacts of a Registered Undergraduate Student Of Nursing (RUSON) workforce^	Research Endowment Fund Grant	St Vincent’s Hospital Melbourne

ALLIED HEALTH

PROJECT BY NATIONAL SAFETY AND QUALITY HEALTH SERVICE STANDARDS	FUNDING SOURCE	ST VINCENT'S HEALTH AUSTRALIA CAMPUSES
STANDARD 5: COMPREHENSIVE CARE		
1	A clinical service evaluation of an integrated social work led model of care in responding to domestic and family violence	NIL St Vincent's Hospital Sydney
2	Barriers and facilitators to the delivery of evidence-based care for people with eating disorders in an acute care setting	St Vincent's Curran Foundation Endowment Grant funding St Vincent's Health Australia Inclusive Health Innovation Fund awarded by St Vincent's Centre for Applied Medical Research St Vincent's Hospital Sydney
3	The impact of pre-operative nutrition support in heart and lung transplant patients: A feasibility study	St Vincent's Clinic Foundation 2021 Multidisciplinary Patient Focused Research Grant St Vincent's Hospital Sydney
4	The impact of speech pathology intervention pre 3-stage oesophagectomy on post-operative health outcomes	NIL St Vincent's Hospital Sydney
OTHER		
5	The Allied Health Research project: Improving outcomes from new models of allied health	St Vincent's Curran Foundation Endowment Grant St Vincent's Hospital Sydney
6	ReCITE (Remote Constraint Induced Therapy of the upper Extremity): An implementation study*^	St Vincent's Clinic Foundation 2021 Multidisciplinary Patient Focused Research Grant St Vincent's Health Network Sydney

AUSTRALIAN CATHOLIC UNIVERSITY HONORARY APPOINTMENTS

ACU honorary titles are awarded in acknowledgement of an individual's clinical, operational and research expertise and their support and promotion of NRI Research. Current ACU honorary appointments are listed below, and we thank them for their ongoing contribution and support.

ACU ADJUNCT PROFESSOR

Adjunct Professor Anthony Schembri AM
Chief Executive Officer, St Vincent's Health Network Sydney

Adjunct Professor Anna Thornton
Executive Director of Nursing, St Vincent's Health Network Sydney

Clinical Associate Professor Margaret Lazar
Executive Director of Allied Health and Community Services, St Vincent's Health Network Sydney

ACU CLINICAL FELLOWS

Elisabeth Black
Learning and Development Manager, St Vincent's Health Network Sydney

Dr Lauren Christie
Senior Implementation Science Research Fellow, Allied Health and NRI

John Forster
Psychiatric Consultation and Liaison Nurse, St Vincent's Hospital Melbourne

Julie Gawthorne
Clinical Nurse Consultant, Emergency Department, St Vincent's Health Network Sydney

Jane Rodgers
Wound Management Clinical Nurse Consultant, St Vincent's Health Network Sydney

NRI HONORARY CLINICAL FELLOWS

NRI honorary clinical fellowships are awarded in acknowledgement of the contribution made by individuals to NRI research and corporate activities. Current NRI Honorary Clinical Fellows are listed below, and we thank them for their ongoing contribution and support.

CONTRIBUTION TO NRI RESEARCH PROGRAM

Kirsty Page Stroke Clinical Nurse
Consultant, St Vincent's Hospital Sydney
Joanne Taylor Nurse Manager Clinical
Practice and Innovation, St Vincent's
Hospital Sydney

CONTRIBUTION TO QUALITY IN ACUTE STROKE CARE EUROPE (QASC) EUROPE PROJECT

Dr Makhmudjon Bakhramov Neurologist,
Tashkent Paediatric Medical Institute,
Tashkent, Uzbekistan
Professor Anne-Kathrin Cassier-Woidasky
Professor for Nursing, Saarland University
of Applied Sciences, Germany
Associate Professor Mariane Klinke
Associate Professor and Academic Chair of
Research and Development in Nursing Care
(Neurology), Faculty of Nursing, University
of Iceland, Iceland
Teresa Kolacna Department Nurse,
University Hospital Motol, Department of
Neurology, Czech Republic
Dr Nino Lobajanidze Neurologist, Pineo
Medical Ecosystem, Georgia

Dr Sabina Medukhanova Head Specialist,
National Neurosurgery Centre, Kazakhstan
Gert Messchendorp Nurse Practitioner,
Vascular Neurology, University Medical
Center Groningen, Department of
Neurology, The Netherlands
Kuinov Rina Head Nurse, Neurology
Department and Stroke Unit, Shaare Zedek
Medical Center, Israel
Susana Salselas Nurse, General Medicine
Ward and Rehabilitation Nurse, Stroke
Unit, Unidade Local de Saúde do Nordeste,
Unidade Hospitalar de Macedo de
Cavaleiros, Portugal
Dr Mercè Salvat-Plana Pla Director,
Malaltia Vascular Cerebral / Catalan Stroke
Program, Agency for Health Quality and
Assessment of Catalonia, Departament de
Salut, Generalitat de Catalunya, Spain
Dr Estela Sanjuan Menendez Stroke
Research Coordinator, Fundacio Institut
de Recerca de L'Hospital Universidad, Vall
d'Hebron Barcelona, Spain
Dr Marcelina Skrzypek-Cerko Nurse,
Clinical University Hospital, Gdańsk,
Poland, Department of Adult Neurology
Antonella Urso Hospital Networks Division,
Public Health Department, Lazio Regional
Government, Italy

CONFERENCES NATIONAL AND INTERNATIONAL

National and International in chronological order. Presenters underlined, NRI staff in bold.

EUROPEAN STROKE ORGANISATION CONFERENCE (ESOC) LYON, FRANCE: 4-6 MAY 2022

Cadilhac DA, Dalli L, Kim J, **Middleton S**, Grimley R, Kilkenny MF, Campbell BC, Dewey HM, Donnan GA, Hill K, Lindley RI, Evans A, Cloud G, Mirrson J, Lester M, Paice K, Lannin NA on behalf of the AuSCR Consortium. *Stroke care quality between 2017-2020: Observational data from the Australia Stroke Clinical Registry.*

Cadilhac DA, Dali L, Kim J, **Middleton S**, Grimley R, Kilkenny MF, Campbell BC, Dewey HM, Donnan GA, Hill K, Lindley RI, Evans A, Cloud G, Morris J, Lester M, Paice K, Lannin NA. *Stroke care quality between 2017-2020: Observational data from the Australian Stroke Clinical Registry.* [e-Poster Presentation]

McInnes E, **Dale S**, **Bagot K**, **Coughlan K**, Grimshaw J, Pfeilschifter W, Cadilhac DA, **Middleton S**. *Quality in Acute Stroke Care (QASC) Europe – Factors influencing international upscale of nurse-led stroke protocols in 64 European hospitals: A qualitative study.* [e-Poster Presentation]

Middleton S, **Dale S**, **McElduff B**, **Coughlan K**, **McInnes E**, Fischer T, Van der Merwe J, Havalada R, Grecu A, Mikulik R, Cadilhac DA, Levi C, Grimshaw J, Quinn C, Cheung NW, Pfeilschifter W. *Exploring stroke care differences between high and middle income European countries for fever, sugar and swallow management (The QASC Europe Project).*

Mikulik R, **Middleton S**, **Dale S**, Kolacna T, Havalda R, Salselas S, Urso A, Menendez ES, Sedani R, Varecha M, van der Merwe J. *Fever sugar swallow (FeSS) protocols on RES-Q platform: Monitoring nursing quality of care in stroke patients.* [e-Poster Presentation]

Šrámek M, Sedani R, Asif K, Martins S, **Middleton S**, Fischer T, Vařecha M, Mikulik R. *Harmonization of registry of stroke care quality (RES-Q 3.0) data collection form for monitoring and improving stroke care worldwide.*

AUSTRALASIAN SOCIETY FOR THE STUDY OF BRAIN IMPAIRMENT (ASSBI) VIRTUAL: 5-7 MAY 2022

Christie LJ. *Client experiences of participating in a specialist vocational intervention partnership program (VIP 2.0) following severe brain injury.*

5TH AUSTRALIAN NURSING AND MIDWIFERY CONFERENCE NEWCASTLE: 6-7 MAY 2022

Martinez-Garduno C, **Rodgers J**, Phillips R, **Gunaratne A**, Drury P, **McInnes E**. *Surgical Patients' Pressure Injury Incidence (SPPII): A Prospective Cohort Study.*

CONFERENCES CONTINUED

14TH AUSTRALASIAN LYMPHOLOGY ASSOCIATION (ALA) CONFERENCE

HOBART: 26-28 MAY 2022

Fearn NR, Kilbreath S, Dylke E, Llanos C, Wang W, Elder E, Meybodi F, French J, Ahern V, Stuart K. *Incidence of breast symptoms reported by women in the first year after breast conserving surgery and radiotherapy: a cohort study.*

Fearn NR, Llanos C, Dylke E, Stuart K, Kilbreath S. *Measurement of breast lymphoedema: a systematic review.*

INTERNATIONAL APHASIA REHABILITATION CONFERENCE

PHILADELPHIA, USA: 22-24 JUNE 2022

Shiggins C, Ryan B, Dewan F, Elston A, Bernhardt J, O'Halloran R, Power E, Lindley RI, **Middleton S**, McGurk G, Hankey G, Rose ML. *Towards the consistent inclusion of people with aphasia in stroke research: Where we are, what we know and where we are going.*

NSW CVRN RISING STARS SEMINAR SERIES

SYDNEY: 4 JULY 2022

Christie LJ, McCluskey A, Pearce A, Rendell R, **Fearn NR**, Hunter A, Descallar J, Wong L, Lovarini M. *Implementation of evidence based practice in stroke.*

Fasugba O, Sedani R, Mikulik R, **Dale S**, Varecha M, **Coughlan K**, **McElduff B**, **McInnes E**, Hladíková S, Cadilhac DA, **Middleton S**. *Using registry data to improve stroke care practice: An international cross-sectional survey of registry of stroke care quality (RES-Q) hospitals.*

39TH DIETITIANS AUSTRALIA 2022 CONFERENCE

ADELAIDE: 14-16 AUGUST 2022

Gulyani P, Rawat P, Elmi Y, Gupta S, **Wan CS**. *Barriers and facilitators of chronic disease management among South Asian immigrants: A mixed-methods systematic review.*

Rawat P, Gulyani P, Elmi Y, **Wan CS**. *Perceptions and experiences of South Asian immigrants with type 2 diabetes: An Australian qualitative study.*

Wan CS, **Cheng H**, **Musgrave-Takeda M**, **Liu M**, Tobiano G, **McMahon J**, **McInnes E**. *Barriers to implementing nutrition-related pressure injury prevention and management guidelines: A mixed-methods systematic review.*

Wan CS, Gulyani P, Rawat P, Elmi Y, Ng A. *Dietary management of type 2 diabetes among South Asian immigrants in Australia: A mixed-methods study.*

CONFERENCES CONTINUED

SMART STROKES CONFERENCE

SYDNEY: 18-19 AUGUST 2022

Coughlan K, **Dale S**, **Bagot KL**, Cadilhac DA, Grimshaw J, Pfeilschifter W, Fischer T, van der Merwe J, **Middleton S**, **McInnes E**. *The role of stroke nurse country coordinators in the Quality in Acute Stroke Care (QASC) Europe evidence translation project: results from a process evaluation.*

Jolliffe L, **Christie LJ**, **Williams J**, Parsons M, Pearce A. *Patient preferences for stroke rehabilitation: a systematic review of discrete choice experiments (DCE's).*

Levy T, **Christie LJ**, Lannin N. *Promoting behaviour change for self-management after stroke – implementing implementation science.*

Purvis T, **Middleton S**, Alexandrov AW, Kilkenny MF, Coote S, Kuhle S, Miller C, Lightbody E, Watkins CL, Tyson A, Ranta A, Cadilhac DA. *The coordinator role in acute stroke care: Through an international lens.*

WORLD FEDERATION OF OCCUPATIONAL THERAPY CONGRESS

PARIS, FRANCE AND VIRTUAL: 28-31 AUGUST 2022

Levy T, **Christie LJ**, Killington K, Laver K, Crotty M, Lannin NA. *Adherence to intensive upper limb rehabilitation: Stroke survivors' perspectives.*

31ST ANNUAL SCIENTIFIC MEETING OF THE STROKE SOCIETY OF AUSTRALASIA 2022

CHRISTCHURCH NEW ZEALAND: 31 AUGUST-2 SEPTEMBER 2022

Christie LJ, **Fearn NR**, McCluskey A, Lannin N, Boydella J, Meharg A, Kilkenny A, Shiner C, Faux S, Howes E, **Middleton S**. *Development of a behaviour change intervention to support constraint-induced movement therapy (CIMT) delivery via telehealth.*

Jolliffe L, **Christie LJ**, Williams J, Parsons M, Pearce A. *A systematic review of discrete choice experiments (DCE's) exploring patient preferences for stroke rehabilitation.*

Middleton S, **Dale S**, **McElduff B**, **Coughlan K**, **McInnes E**, Fischer T, Van der Merwe J, Havalda R, Mikulik R, Cadilhac DA, D'Este C, Levi C, Grimshaw J, Quinn C, Cheung NW, Pfeilschifter W. *Implementation of fever, sugar, hyperglycaemia and swallow protocols in high and middle income European countries: The QASC Europe Project.*

AUSTRALIAN TELEHEALTH FOR STROKE COMMUNITY OF PRACTICE WEBINAR SERIES

VIRTUAL: 12 OCTOBER 2022

Christie LJ, **Scrivener K**. *Current developments in rehabilitation delivery via telehealth.*

CONFERENCES CONTINUED

14TH WORLD STROKE CONGRESS SINGAPORE: 26–29 OCTOBER 2022

Cadilhac DA, Gubska Z, Kilkenny M, Lannin NA, Clissold B, Grimley R, Cowans S, Geoffrey Cloud G, Castley H, Jude M, Markus R, Ryan F, Pollack M, Campbell BC, **Middleton S**, Joosup KJ on behalf of the AuSCR Consortium mortality trends writing group. *Long-term mortality after admission for stroke between 2010–2022: observational data from the Australian Stroke Clinical Registry.*

Fasugba O, Sedani R, Mikulik R, **Dale S**, Varecha M, **Coughlan K**, **McElduff B**, **McInnes E**, Hladikova S, Cadilhac DA, **Middleton S**. *Using registry data to improve stroke care practice: an international cross-sectional survey of registry of stroke care quality (RES-Q) hospitals.*

Middleton S, **Dale S**, **McElduff B**, **Coughlan K**, **McInnes E**, Thomas Fischer T, van der Merwe J, Halvalda R, Grecu A, Mikulik R, Cadilhac DA, D'Este C, Levi C.R, Grimshaw J.M, Quinn C, **Fasugba O**, Cheung NW, Pfeilschifter W. *Presence of stroke expert nurse and implementation of protocols for fever, sugar and swallow management.* (QASC Europe project).

AMERICAN CONGRESS OF REHABILITATION MEDICINE (ACRM) 99TH CONFERENCE CHICAGO USA: 8–11 NOVEMBER 2022

Adey-Wakeling Z, Bhattachariya S, Cahill L, **Christie LJ**, Kettlewell J, Power E, Lannin N. *Telerehabilitation implementation and clinical use: translating evidence into stroke rehabilitation.*

Christie LJ, **Fearn NR**, Lannin NA. *Adaption of a behaviour change intervention to support constraint-induced movement therapy (CIMT) delivery via telehealth.* [Poster Presentation]

HEALTH SERVICES RESEARCH CONFERENCE 2022 SYDNEY: 30 NOVEMBER–2 DECEMBER 2022

Christie LJ, **Fearn NR**, McCluskey A, Lovarini M, Rendell R, Pearce A. *Cost-effectiveness of constraint-induced movement therapy implementation in neurorehabilitation: the ACTIveARM Project.*

McInnes E, **Bagot KL**, **Dale S**, **Coughlan K**, Grimshaw J, Pfeilschifter W, Cadilhac DA, **Middleton S**. *Clinician behaviour change and the Quality in Acute Stroke Care (QASC) translational research program. From evidence-based trial results to nurse-led practice change: Factors influencing the upscale of QASC nationally and internationally.*

Middleton S, **Dale S**, **McElduff B**, **Coughlan K**, **McInnes E**, Fischer T, van der Merwe J, Havalda R, Grecu A, Mikulik R, Cadilhac DA, D'Este C, Levi C, Grimshaw J, Quinn C, Cheung NW, Pfeilschifter W. *Innovations in changing clinician behaviour: Implementing nurse-initiated protocols for fever, hyperglycaemia and swallowing management across Europe* (QASC Europe Project).

Middleton S, **Dale S**, **McElduff B**, **Coughlan K**, **McInnes E**, Fischer T, van der Merwe J, Havalda R, Grecu A, Mikulik R, Cadilhac DA, D'Este C, Levi C, Grimshaw J, Quinn C, Cheung NW, Pfeilschifter W. *Quality in Acute Stroke Care (QASC) research program. From evidence base to implementation into clinical practice.*

Wan CS, **Cheng H**, **Musgrave-Takeda M**, **Liu M**, Tobiano G, **McMahon J**, **McInnes E**. *Identifying barriers to de-implementing low-value pressure injury care in acute and sub-acute care: a mixed-methods systematic review using the Theoretical Domains Framework.* [Poster presentation]

INVITED SPEAKER NATIONAL AND INTERNATIONAL

Presenters underlined, NRI staff in bold.

INTERNATIONAL SYMPOSIUM OF CIMT VIRTUAL: 21–23 JANUARY 2022

Christie LJ. *Factors influencing the sustainability of constraint-induced movement therapy (CIMT) programs in upper limb rehabilitation for people with stroke and traumatic brain injury.*

AGENCY FOR CLINICAL INNOVATION STROKE STATEWIDE FORUM VIRTUAL: 31 MARCH 2022

Christie LJ. *Using technology to support rehabilitation for stroke survivors.*

AUSTRALIAN ACADEMY OF HEALTH AND MEDICAL SCIENCES (AAHMS) ALLIED HEALTH LIFE AS A CLINICIAN-SCIENTIST WEBINAR VIRTUAL: 10 MAY 2022

Christie LJ. *Walking the tightrope as a clinician scientist.*

GRIFFITH UNIVERSITY, CENTRE FOR RESEARCH EXCELLENCE IN WISER WOUND CARE IMPLEMENTATION SCIENCE WORKSHOP BRISBANE: 30 JUNE 2022

McInnes E. *The value of implementation theory for changing practice: Lessons from the emergency department (T³ Trial).*

ACU SCHOOL OF BEHAVIOURAL & HEALTH SCIENCES RESEARCH FORUM VIRTUAL: 15 AUGUST 2022

Middleton S. *Engagement and impact.*

NATIONAL NURSING FORUM DARWIN: 17–19 AUGUST 2022

Middleton S. *2022 Oration: Leadership, change and the Age of Aquarius.*

SMART STROKES CONFERENCE SYDNEY: 18–19 AUGUST 2022

Middleton S. *Large scale translation of stroke nursing evidence to every day clinical practice.*

INVITED SPEAKER CONTINUED

31ST ANNUAL SCIENTIFIC MEETING OF THE STROKE SOCIETY OF AUSTRALASIA 2022
CHRISTCHURCH, NEW ZEALAND: 31 AUGUST-2 SEPTEMBER 2022

Christie LJ. *Rehabilitation and recovery: How do I implement best practice care? – Constraint induced movement therapy.*

ACUTE STROKE NURSE EDUCATION NETWORK (ASNEN) WEBINAR PROGRAM
VIRTUAL: 7 SEPTEMBER 2022

Dale S on behalf of the QASC Investigators. *Quality in Acute Stroke Care (QASC) Research Program.*

AUSTRALIAN DEPARTMENT OF HEALTH SEMINAR
VIRTUAL: 20 SEPTEMBER 2022

Middleton S. *Impact of implementation of nurse-initiated protocols.*

VICTORIA ASSOCIATION OF RESEARCH NURSES (VARN) PROFESSIONAL DEVELOPMENT DAY
7 OCTOBER 2022

Coventry A. *The PREPARE Study: Improving the preparedness of family members for dying in the adult intensive care unit.*

Wan CS. *NHMRC Centre for Research Excellence in Wiser Wound Care: Research program in pressure injury prevention.*

10TH ANNUAL NATIONAL STROKE QUALITY IMPROVEMENT WORKSHOP
MELBOURNE: 20 OCTOBER 2022

Middleton S. *Update on the Australian Stroke Clinical Registry (AuSCR).*

ALFRED HEALTH VICTORIA OCCUPATIONAL THERAPY WEEK
MELBOURNE: 24 OCTOBER 2022

Christie LJ. *What occupational therapy means to me as a clinician researcher.*

14TH WORLD STROKE CONGRESS
SINGAPORE: 26-29 OCTOBER 2022

Middleton S. *Hyperacute stroke care with and without reperfusion treatment.*

AUSTRALASIAN NURSING AND MIDWIFERY CLINICAL TRIALS NETWORK SUMMIT
ADELAIDE: 9 NOVEMBER 2022

Middleton S. Thornton A. *Advantages of integrating the research workforce into the clinical setting: An example of a successful partnership.*

INVITED SPEAKER CONTINUED

NHMRC RESEARCH TRANSLATION SYDNEY SHOWCASE
SYDNEY: 17 NOVEMBER 2022

Middleton S. *Research translation success: An international case study.*

ACUTE STROKE NURSES EDUCATION NETWORK (ASNEN) STROKE NURSE LEADERS SYMPOSIUM
SYDNEY: 25 NOVEMBER 2022

Middleton S. *Where we were, where we are, where we're going.*

17TH UK STROKE FORUM CONFERENCE
LIVERPOOL, UNITED KINGDOM: 29 NOVEMBER-1 DECEMBER 2022

Jarvis K, McCluskey A, **Christie LJ**, Boydell J. *Implementing complex interventions into stroke rehabilitation – Applying constraint-induced movement therapy (CIMT) as a case study.*

HEALTH SERVICES RESEARCH CONFERENCE 2022
SYDNEY: 30 NOVEMBER-2 DECEMBER 2022

Middleton S. *Breakfast Session: What is implementation science?*

PRESENTATIONS

ST VINCENT'S HOSPITAL SYDNEY

Presenters underlined, NRI staff in bold.

**ST VINCENT'S HOSPITAL NETWORK SYDNEY INTRODUCTORY NURSING SPECIALTY PRACTICE
ACUTE SURGICAL SERVICE PROGRAM**
SYDNEY: 24 MAY 2022

Whittam S. *A-E assessment: Why or why not?*

ST VINCENT'S HOSPITAL MEDICAL GRAND ROUNDS
VIRTUAL: 23 AUGUST 2022

Middleton S. *ACCELERATE: Stepped wedge cluster trial to reduce patient deterioration and risk of falls and pressure injuries.*

ST VINCENT'S HOSPITAL SYDNEY COMMUNICATING FOR SAFETY (NS6) COMMITTEE
SYDNEY: 8 SEPTEMBER 2022

Middleton S. *The ACCELERATE Plus Trial.*

ST VINCENT'S HOSPITAL SYDNEY CAMPUS RESEARCH WEEK, SYDNEY
21 SEPTEMBER 2022

Coughlan K, Dale S, Bagot K, Cadilhac D, Grimshaw J, Pfeilschifter W, Fischer T, van der Merwe J, Middleton S, McInnes E, on behalf of the QASC Europe Steering and Implementation Committees. *The role of stroke nurse country coordinators in the Quality in Acute Stroke Care (QASC) Europe evidence translation project: results from a process evaluation.* Fast Forward Presentation.

Fasugba O, Sedani R, Mikulik R, Dale S, Varecha M, Coughlan K, McElduff B, McInnes E, Hladiková S, Cadilhac DA, Middleton S. *Using registry data to improve stroke care practice: An international cross-sectional survey of registry of stroke care quality (RES-Q) hospitals.* Fast Forward Presentation.

Middleton S, Paquin L, Pritchard T, Israel J, Liu M, Bexton M, Ward S, Lumby J. *Assessing and addressing quality of life and self care engagement in people receiving Peritoneal Dialysis (PD).* Fast Forward Presentation.

Whittam S on behalf of ACCELERATE Trialists. *ACCELERATE stepped-wedge cluster randomised control trial: Nurse and patient experience survey results.* Fast Forward Presentation. ****Winner, Chairs Prize for Best Presentation****

PRESENTATIONS CONTINUED

ST VINCENT'S HOSPITAL MELBOURNE

Presenters underlined, NRI staff in bold.

AIKENHEAD CENTRE FOR MEDICAL DISCOVERY RESEARCH WEEK
ST VINCENT'S HOSPITAL MELBOURNE, VIRTUAL: 4 AUGUST 2022

Coughlan K, Dale S, Bagot K, Cadilhac DA, Grimshaw J, Pfeilschifter W, Fischer T, van der Merwe J, Middleton S, McInnes E on behalf of the QASC Europe Steering and Implementation Committees. *The role of stroke nurse country coordinators in the Quality in Acute Stroke Care (QASC) Europe evidence translation project: Results from a process evaluation.*

Coventry A, Gerdtz M, McInnes E, Hudson P. *Fostering positive psychosocial outcomes for families in the ICU: Scoping review of interventions.*

Dale S on behalf of the QASC Europe Investigators. *Exploring stroke care differences between high- and middle-income European countries for fever, sugar and swallow management.*

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2022

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