

Aaron Conway

RBC CHAIR IN CARDIOVASCULAR NURSING RESEARCH

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Education

Australian Catholic University

PHD Brisbane, AU

2010 - 2012

Australian Catholic University

BACHELOR OF NURSING (HONOURS) Brisbane, AU

2007 - 2008

Australian Catholic University

BACHELOR OF NURSING Brisbane, AU

2004 - 2006

Employment

University of Toronto

RBC CHAIR IN CARDIOVASCULAR NURSING RESEARCH Toronto, CA

2018 - Current

Queensland University of Technology

SENIOR RESEARCH FELLOW Brisbane, AU

2017 - 2018

Wesley Hospital

REGISTERED NURSE Brisbane, AU

2007 - 2018

Queensland University of Technology

RESEARCH FELLOW Brisbane, AU

2013 - 2017

Awards

Publons

TOP 1% OF REVIEWERS IN THE FIELD OF CLINICAL MEDICINE 2018

Publons

TOP 1% REVIEWERS IN NURSING 2017

Publons

SENTINELS OF SCIENCE: NURSING 2016

American Society of PeriAnesthesia Nurses

MARY HANNA MEMORIAL JOURNALISM AWARD 2015

Research in Nursing and Health

BEST REVIEWER AWARD 2013

Cardiac Society of Australia and New Zealand

TRAVEL AWARD 2012

Prince Charles Hospital

RUNNER-UP, NOVICE RESEARCHER PRIZE 2012

Cardiac Society of Australia and New Zealand

RUNNER-UP, NURSING AFFILIATE'S PRIZE

2012

Australasian Cardiovascular Nursing College

BEST POSTER AND MINI-ORAL PRESENTATION

2012

Wesley Hospital

COMMITMENT TO SAFETY & QUALITY AWARD

2011

Wesley Hospital

TRAVEL BURSARY

2011

Australasian Cardiovascular Nursing College

BEST POSTER AND MINI-ORAL PRESENTATION

2011

Service

Systematic Reviews

ASSOCIATE EDITOR

2019 - Current

National Health and Medical Research Council

GRANT REVIEW PANEL

2019 - 2019

Australasian Cardiovascular Nursing College

CHAIR, CONFERENCE COMMITTEE

2017 - 2018

National Health and Medical Research Council

EXTERNAL PEER REVIEWER

2018 - 2018

Australasian Cardiovascular Nursing College

SECRETARY

2017 - 2018

Interventional Nurses Council

EXECUTIVE COMMITTEE MEMBER

2016 - 2018

Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research (SCEPTER)

COMMITTEE MEMBER

2017 - 2017

Australasian Cardiovascular Nursing College

CONFERENCE COMMITTEE

2016 - 2017

Memberships

Canadian Cardiovascular Society

MEMBER

2018 - Current

Sigma Theta Tau International

MEMBER

2010 - Current

Cardiac Society of Australia and New Zealand

AFFILIATE MEMBER

2010 - Current

Funding

Wesley Medical Research

GRANT

\$18356

2016 - 2019

- Optimising the clinical application of capnography for monitoring of ventilation during sedation in the cardiac catheterisation laboratory

St. Vincent's Clinic Foundation

GRANT

\$25000

2016 - 2016

- Maintaining normoTHERMia during SEDation: The Thermised Pilot Study

Interventional Nurses Council

GRANT

\$5000

2014 - 2014

- Ascertaining the effectiveness of current nursing practices in maintaining normothermia during procedures performed in the cardiac catheterisation laboratory

Sigma Theta Tau International

GRANT

\$5604

2014 - 2014

- A pilot study of nurse-led screening for anxiety and depression in adult heart transplant recipients followed by referral for cognitive behaviour therapy and co-ordination of communication with ongoing specialist and primary care providers

Queensland Nursing Council

AWARD

\$5000

2007 - 2008

- Postgraduate scholarship

Australian Catholic University

AWARD

\$71664

2011 - 2012

- Australian Postgraduate Award

Connaught Fund

GRANT

\$19000

2019 - 2021

- High flow nasal oxygen for sedation

National Health and Medical Research Council

SALARY-AWARD

\$309436

2015 - 2019

- Improving nurse-administered sedation practice in the cardiac catheterisation laboratory

Open Source Software

spiritR

A WORKFLOW TO ENABLE DIRECT UPLOAD OF A CLINICAL TRIAL PROTOCOL TO CLINICALTRIALS.GOV

2019

Publications

1. Nicholas Ralph, Jeffrey Gow, Aaron Conway, et al (2019). Costs of inadvertent perioperative hypothermia in Australia: A cost-of-illness study. *Collegian* doi : 10.1016/j.collegn.2019.10.003
2. Aaron Conway, Peter Collins, Kristina Chang, et al (2019). Sequence analysis of capnography waveform abnormalities during nurse-administered procedural sedation and analgesia in the cardiac catheterization laboratory. *Scientific Reports* , **9** doi : 10.1038/s41598-019-46751-2
3. Mary-Anne Ramis, Anne Chang, Aaron Conway, et al (2019). Theory-based strategies for teaching evidence-based practice to undergraduate health students: a systematic review. *BMC Medical Education* , **19** doi : 10.1186/s12909-019-1698-4

4. Aaron Conway, Peter Collins, Kristina Chang, et al (2019). Pre-apneic capnography waveform abnormalities during procedural sedation and analgesia. *Journal of Clinical Monitoring and Computing* doi:10.1007/s10877-019-00391-z
5. Aaron Conway, Jeffrey Gow, Nicholas Ralph, et al (2019). Implementing a thermal care bundle for inadvertent perioperative hypothermia: A cost-effectiveness analysis. *International Journal of Nursing Studies* , **97** , 21-27 doi:10.1016/j.ijnurstu.2019.04.017
6. Amy J. Spooner, Natasha Booth, Tai-Rae Downer, et al (2019). Advanced practice profiles and work activities of nurse navigators: An early-stage evaluation. *Collegian* , **26** , 103-109 doi:10.1016/j.collegn.2018.05.003
7. Adrienne P. Hudson, Amy J. Spooner, Natasha Booth, et al (2019). Qualitative insights of patients and carers under the care of nurse navigators. *Collegian* , **26** , 110-117 doi:10.1016/j.collegn.2018.05.002
8. Aaron Conway, Elizabeth Tipton, Wei-Hong Liu, et al (2018). Accuracy and precision of transcutaneous carbon dioxide monitoring: a systematic review and meta-analysis. *Thorax* , **74** , 157-163 doi:10.1136/thoraxjnl-2017-211
9. Aaron Conway, Jed Duff, Joanna Sutherland (2018). Cost-effectiveness of forced air warming during sedation in the cardiac catheterisation laboratory. *Journal of Advanced Nursing* , **74** , 2075-2081 doi:10.1111/jan.13707
10. William Parker, Cameron G. Estrich, Elliot Abt, et al (2018). Benefits and harms of capnography during procedures involving moderate sedation. *The Journal of the American Dental Association* , **149** , 38-50.e2 doi:10.1016/j.adaj.2017.08.030
11. Denham S. Ward, Mark R. Williams, John W. Berkenbosch, et al (2018). Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 2 Safety. *Anesthesia & Analgesia* , **127** , 1146-1154 doi:10.1213/ane.0000000000003409
12. Aaron Conway (2018). Nurses should inform patients of the possibility of awareness during bronchoscopy performed with procedural sedation. *Evidence Based Nursing* , **21** , 82-83 doi:10.1136/eb-2018-102922
13. Aaron Conway, Zachary Conway, Kathleen Soalheira, et al (2018). Reply to. *European Journal of Anaesthesiology* , **35** , 637-638 doi:10.1097/eja.0000000000000851
14. Aaron Conway, Suzanna Ersotelos, Joanna Sutherland, et al (2017). Forced air warming during sedation in the cardiac catheterisation laboratory: a randomised controlled trial. *Heart* , **104** , 685-690 doi:10.1136/heartjnl-2017-312191
15. Aaron Conway, Zachary Conway, Kathleen Soalheira, et al (2017). High quality of evidence is uncommon in Cochrane systematic reviews in Anaesthesia, Critical Care and Emergency Medicine. *European Journal of Anaesthesiology* , **34** , 808-813 doi:10.1097/eja.0000000000000691
16. Aaron Conway, Judith Sheridan, Joanne Maddicks-Law, et al (2016). Depression and Pain in Heart Transplant Recipients. *Biological Research For Nursing* , **19** , 71-76 doi:10.1177/1099800416666717
17. Aaron Conway, Judith Sheridan, Joanne Maddicks-Law, et al (2016). Pilot testing a model of psychological care for heart transplant recipients. *BMC Nursing* , **15** doi:10.1186/s12912-016-0183-1
18. Aaron Conway, Judith Sheridan, Joanne Maddicks-Law, et al (2016). Accuracy of anxiety and depression screening tools in heart transplant recipients. *Applied Nursing Research* , **32** , 177-181 doi:10.1016/j.apnr.2016.07.015
19. Aaron Conway (2016). A Review of the Effects of Sedation on Thermoregulation: Insights for the Cardiac Catheterization Laboratory. *Journal of PeriAnesthesia Nursing* , **31** , 226-236 doi:10.1016/j.jopan.2014.07.016

20. A. Conway, C. Douglas, J. R. Sutherland (2016). A systematic review of capnography for sedation. *Anaesthesia* , **71** , 450-454 doi : 10.1111/anae.13378
21. Aaron Conway, Clint Douglas, Joanna R Sutherland (2016). Capnography for Moderate Sedation During Routine EGD and Colonoscopy. *American Journal of Gastroenterology* , **111** , 1208 doi : 10.1038/ajg.2016.161
22. Aaron Conway, Joanna Sutherland (2016). Depth of anaesthesia monitoring during procedural sedation and analgesia: A systematic review and meta-analysis. *International Journal of Nursing Studies* , **63** , 201-212 doi : 10.1016/j.ijnurstu.2016.05.004
23. Aaron Conway, Jed Duff (2016). Forced air warming to maintain normoTHERmia during SEDation in the cardiac catheterization laboratory: protocol for the THERMISED pilot randomized controlled trial. *Journal of Advanced Nursing* , **72** , 2547-2557 doi : 10.1111/jan.13027
24. Aaron Conway, John Rolley, Joanna R Sutherland (2016). Midazolam for sedation before procedures. *Cochrane Database of Systematic Reviews* doi : 10.1002/14651858.cd009491.pub2
25. Wendy Kennedy, Aaron Conway (2016). Temperature monitoring of nonanaesthetised patients in a cardiac catheterisation laboratory. *Journal of Clinical Nursing* , **25** , 1777-1780 doi : 10.1111/jocn.13213
26. Aaron Conway, Wendy Kennedy, Joanna Sutherland (2015). Inadvertent Hypothermia After Procedural Sedation and Analgesia in a Cardiac Catheterization Laboratory: A Prospective Observational Study. *Journal of Cardiothoracic and Vascular Anesthesia* , **29** , 1285-1290 doi : 10.1053/j.jvca.2015.06.002
27. Aaron Conway, Clint Douglas, Joanna Sutherland (2015). Capnography monitoring during procedural sedation and analgesia: a systematic review protocol. *Systematic Reviews* , **4** doi : 10.1186/s13643-015-0085-4
28. Aaron Conway, Joanna Sutherland (2015). Depth of anaesthesia monitoring during procedural sedation and analgesia: a systematic review protocol. *Systematic Reviews* , **4** doi : 10.1186/s13643-015-0061-z
29. Aaron Conway, Alexandra L McCarthy, Petra Lawrence, et al (2015). The prevention, detection and management of cancer treatment-induced cardiotoxicity: a meta-review. *BMC Cancer* , **15** doi : 10.1186/s12885-015-1407-6
30. Sally C Inglis, Aaron Conway, John GF Cleland, et al (2014). Is age a factor in the success or failure of remote monitoring in heart failure? Telemonitoring and structured telephone support in elderly heart failure patients. *European Journal of Cardiovascular Nursing* , **14** , 248-255 doi : 10.1177/1474515114530611
31. Aaron Conway, Karen Page, John X. Rolley, et al (2014). A Review of Sedation Scales for the Cardiac Catheterization Laboratory. *Journal of PeriAnesthesia Nursing* , **29** , 191-212 doi : 10.1016/j.jopan.2013.05.017
32. Aaron Conway (2014). Anaesthesiological support in a cardiac electrophysiology laboratory. *European Journal of Anaesthesiology* , **31** , 237-238 doi : 10.1097/eja.0000000000000032
33. Aaron Conway, Sally C. Inglis, Robyn A. Clark (2014). Effective Technologies for Noninvasive Remote Monitoring in Heart Failure. *Telemedicine and e-Health* , **20** , 531-538 doi : 10.1089/tmj.2013.0267
34. A. Conway (2014). Is sedation by non-anaesthetists really safe?. *British Journal of Anaesthesia* , **112** , 583-584 doi : 10.1093/bja/aeu033
35. Aaron Conway, Verena Schadewaldt, Robyn Clark, et al (2014). The effectiveness of non-pharmacological interventions in improving psychological outcomes for heart transplant recipients: A systematic review. *European Journal of Cardiovascular Nursing* , **13** , 108-115 doi : 10.1177/1474515113519519
36. Aaron Conway, John Rolley, Karen Page, et al (2014). Trends in nurse-administered procedural sedation and analgesia across cardiac catheterisation laboratories in Australia and New Zealand: Results of an electronic

37. Robyn A Clark, Aaron Conway, Vanessa Poulsen, et al (2013). Alternative models of cardiac rehabilitation: A systematic review. *European Journal of Preventive Cardiology* , **22** , 35-74 doi : 10.1177/2047487313501093
38. Aaron Conway (2013). Anxiety Score as a Risk Factor for Radial Artery Vasospasm During Radial Interventions. *Angiology* , **65** , 71-72 doi : 10.1177/0003319713505896
39. Aaron Conway, John Rolley, Karen Page, et al (2013). Issues and challenges associated with nurse-administered procedural sedation and analgesia in the cardiac catheterisation laboratory: a qualitative study. *Journal of Clinical Nursing* , **23** , 374-384 doi : 10.1111/jocn.12147
40. Aaron Conway, John Rolley, Karen Page, et al (2013). Clinical practice guidelines for nurse-administered procedural sedation and analgesia in the cardiac catheterization laboratory: a modified Delphi study. *Journal of Advanced Nursing* , **70** , 1040-1053 doi : 10.1111/jan.12337
41. Aaron Conway, John X. Rolley, Paul Fulbrook, et al (2013). Improving statistical analysis of matched case-control studies. *Research in Nursing & Health* , **36** , 320-324 doi : 10.1002/nur.21536
42. Aaron Conway, Sally C Inglis, Anne M Chang, et al (2013). Not all systematic reviews are systematic: a meta-review of the quality of systematic reviews for non-invasive remote monitoring in heart failure. *Journal of Telemedicine and Telecare* , **19** , 326-337 doi : 10.1177/1357633x13503427
43. Aaron Conway, Verena Schadewaldt, Robyn Clark, et al (2013). The psychological experiences of adult heart transplant recipients: A systematic review and meta-summary of qualitative findings. *Heart & Lung* , **42** , 449-455 doi : 10.1016/j.hrtlng.2013.08.003
44. Aaron Conway (2013). Utility of Dexmedetomidine in Sedation for Radiofrequency Ablation of Atrial Fibrillation. *Journal of PeriAnesthesia Nursing* , **28** , 257-258 doi : 10.1016/j.jopan.2013.07.006
45. Aaron Conway, Karen Page, John Rolley, et al (2012). Risk factors for impaired respiratory function during nurse-administered procedural sedation and analgesia in the cardiac catheterisation laboratory: a matched case-control study. *European Journal of Cardiovascular Nursing* , **12** , 393-399 doi : 10.1177/1474515112470351
46. Aaron Conway, Karen Page, John X. Rolley, et al (2011). Nurse-administered procedural sedation and analgesia in the cardiac catheter laboratory: An integrative review. *International Journal of Nursing Studies* , **48** , 1012-1023 doi : 10.1016/j.ijnurstu.2011.04.013

Peer reviews

Journal of Clinical Nursing

56

Research in Nursing & Health

39

Journal of Peri-Anesthesia Nursing

14

Journal of Advanced Nursing

12

International Journal of Nursing Studies

8

Systematic Reviews	7
Journal of Medical Internet Research	7
The JBI Database of Systematic Reviews and Implementation Reports	3
Contemporary Nurse	3
Telemedicine and e-Health	3
Heart	3
Heart & Lung	2
BMJ Open	2
Odontology	2
Australian Critical Care	2
Clinical Transplantation	2
Therapeutics and Clinical Risk Management	2
Oncotarget	2
Clinical Nursing Research	2
Contemporary Nurse	1
International Journal of Nursing Studies	1
Human Resources for Health	1
Journal of Health Services Research & Policy	1

Critical Care Nurse	1
The Journal of Heart and Lung Transplantation	1
Journal of Heart & Lung Transplantation	1
Current Medical Research and Opinion	1
Biological Research For Nursing	1
Journal of Clinical Epidemiology	1
Journal of Clinical Anesthesia	1
PLoS ONE	1
Health & Social Care in the Community	1
The Journal of Pediatrics	1
BMJ Open Gastroenterology	1
Collegian	1
IEEE Journal of Biomedical and Health Informatics	1
The Joint Commission Journal on Quality and Patient Safety	1
The Journal of General Psychology	1
BDJ Open	1
Annals of Medicine	1
Clinical Cardiology	1

International Journal of Nursing Practice

1

Wiley journal not otherwise classified

1

Cochrane Database of Systematic Reviews

1

Pediatric Drugs

1

Disability and Rehabilitation

1

Western Journal of Nursing Research

1

Elsevier journal not otherwise classified

1