



Jan-Feb 2021 PATTERN Newsletter

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## Events

Welcome 2021! An interesting start, to what should be an interesting year...

This is a packed first 2021 newsletter for PATTERN, lots of hard work paying off and celebrations to share.

Our first PATTERN event for 2021 is planned for the week starting the 15th of February, exact details to follow via calendar invite and Teams link.

We have a few presentations, including:

- **Dr Bronwyn Griffin** discussing the new NHMRC Centre for Wiser Wound Care, her new role and how we can all get involved.
- **Professor Samantha Keogh** discussing the new and upcoming NHMRC and MRFF funding opportunities, and what we can do to get ready for them.

As usual, the meeting will have a face-to-face gathering at CCHR (rooms 401-2) and via Teams (link to follow). I'll try to remember to bring cake, but mostly I am looking forward to seeing you there!



It was also great to see so many participating in the many Children's Hospital Foundation fundraising events held at the end of 2020. #paediatricsrocks





## Paper of the month (ish)

Something to ponder. This article highlights the skill deficit that the US is predicting, but the Australian landscape looks quite different.

### **The Future of Pediatric Nursing Science**

**Harrison, T. M.,** Steward, D., Tucker, S., Fortney, C. A., Militello, L. K., Smith, L. H., Thrane, S., Tubbs-Cooley, H. L., Pickler, R. H. (2020). The future of pediatric nursing science. *Nursing Outlook*, 68, 73-82. <https://doi.org/10.1016/j.outlook.2019.06.020><sup>1</sup>

The provision of safe and effective nursing care to children is dependent upon pediatric nurse scientists creating knowledge that guides and directs day-to-day nursing practice. Current trends demonstrating steady decreases of pediatric nurses and inadequate numbers of PhD-prepared pediatric nurse scientists put the health of our children at risk. The purposes of this paper are to (1) summarize current health care demands in pediatrics, (2) present our concern that the number of pediatric nurse scientists is inadequate to generate foundational knowledge to guide pediatric nursing practice, (3) present our perspectives on factors influencing the number of pediatric nurse scientists, and (4) recommend specific actions for nursing leaders, nursing faculty, and professional nursing organizations to increase the depth and breadth of pediatric nursing science to meet current and future pediatric care needs.

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<sup>1</sup><https://protect-au.mimecast.com/s/MonaCq7BwVc8GWopEhZmUQM?domain=doi.org>

## Congratulations!

Lots more success to celebrate within our network. Firstly, new appointments galore!



*1 - The new Associate Professor, Dr Lauren Kearney*

**Congratulations** to Dr Lauren Kearney, for her recent promotion to Associate Professor of Nursing and Midwifery within the School of Nursing, Midwifery and Paramedicine, USC! Lauren is passionate about improving the experience of health care for women and children through translation of high quality evidence into practice. Congratulations Lauren!



*2 - The new Chair and Professor of Paediatric Nursing, Dr Amanda Ullman*

**Congratulations** to Professor Amanda Ullman, for her recent appointment as the Professor and Chair in Paediatric Nursing! This is a conjoint appointment between the School of Nursing, Midwifery and Social Work (University of Queensland) and Children's Health Queensland Hospital and Health Service. Amanda is starting in the role from March 1st, and couldn't be more excited.



*3 - The new NHMRC CRE in Wiser Wound Care Senior Research Fellow, Dr Bronwyn Griffin*

**Congratulations to Dr Bronwyn Griffin** who has been appointed the NHMRC CRE in Wiser Wound Care, Senior Research Fellow at Griffith University. Bron brings with her extensive experience in paediatric burns and emergency care and will be starting her new position from February 1st. Congratulations Bron!

We have also had a strong outcome for competitive grants.

**Congratulations to Amanda Harley and team** for their Emergency Medicine Foundation Grant titled "Interaction of hyperdynamic septic shock and sepsis endotypes: a new paradigm" - Read more **here**<sup>2</sup>

Amanda also recently completed her mid-candidature review and launched the revised state-wide paediatric sepsis pathway across four inpatient units. Some people are just too productive.

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<sup>2</sup><https://emergencyfoundation.org.au/projects/interaction-of-hyperdynamic-septic-shock-and-sepsis-endotypes-a-new-paradigm/>



*4 - Deanne August*

**Congratulations to De August and team** for her RBWH Project Grant for "What lies beneath: accurate measurement and sequelae of neonatal mechanical skin injuries". De is an amazing multi-tasker and is currently a PhD candidate, Nurse Researcher at the RBWH GSNU, Project Manager for a multi-site clinical trial, and mum to 3 month-old, Angus. Congratulations De and team!

PATTERN also was highly successful in the 2020 Nursing and Midwifery Research Fellowship (round 6) <sup>3</sup>

The QCH Emergency department (ED) Kids Pain Collaborative (KPC), led by Dr Suzanne Williams. These funds have enabled the KPC to appoint three nursing research assistants from the ED to support the project. Our congratulations to Sharonn Riggall, Roselyn Glass and Kirsten Watt who will focus on facilitating implementation of the Kids Pain Collaborative (KPC) Pain Management Bundle while building nursing research capacity in the ED. **Congratulations to Suzanne and team!**

**Dr Jessica Schults** and team were similarly awarded a fellowship for a project titled "Early detection and prevention of hospital-acquired harm in paediatric critical care". Congratulations Jess!

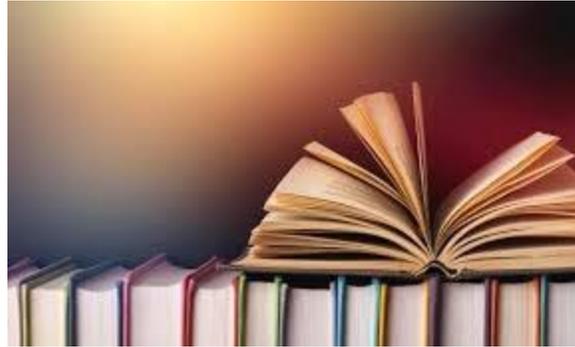
**Prof Amanda Ullman** was also part of a team based at Central Queensland University to implement paediatric vascular access selection guidelines (miniMAGIC) in regional and rural settings.

Exciting to see this investment in paediatric healthcare practice.

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<sup>3</sup>[https://www.health.qld.gov.au/\\_data/assets/pdf\\_file/0027/928431/NMRF-Previous-Recipients.pdf](https://www.health.qld.gov.au/_data/assets/pdf_file/0027/928431/NMRF-Previous-Recipients.pdf)

## Publications



Heaps of impressive publications in the last few months.

**A big highlight is Tricia Kleidon** being an author on the new Infusion Therapy Standards of Practice, 8th Edition.<sup>4</sup> This is the first time an Australian has been involved in the development of this practice guidelines and this has taken tremendous dedication.

**Amanda Harley, and team:** Final year nursing student's exposure to education and knowledge about sepsis: A multi-university study Randomized controlled trial of a brief online self-compassion intervention for mothers of infants in Nurse Education Today  
<https://doi.org/10.1016/j.nedt.2020.104703>

**Deanne August and team:** Facilitating neonatal MARSII evidence into practice: investigating multimedia resources with Australian Neonatal Nurses- a participatory action research project. Journal of Neonatal Nursing, Accepted Dec

**Dr Amy Mitchell and team:** Triple P for parents of children with phenylketonuria: a nonrandomized trial. Journal of Pediatric Psychology,

**Dr Jessica Schults and team:** Application of the READY framework supports effective communication between health care providers and family members in intensive care in Australian Critical Care:  
<https://doi.org/10.1016/j.aucc.2020.07.010>

**Professor Samantha Keogh and team:** Implementation and evaluation of short peripheral intravenous catheter flushing guidelines: a stepped wedge cluster randomised trial in BMC Medicine available here<sup>5</sup>

**Dr Bronwyn Griffin and team:** Effectiveness of a hydrogel dressing as an analgesic adjunct to first aid for the treatment of acute paediatric burn injuries: a prospective randomised controlled trial in BMJ Open

and The modulation of the burn wound environment by negative pressure wound therapy: Insights from the proteome in Wound Repair and Regeneration

**Dr Alison Bowers and team:** Analysis of health administration data to inform health service planning for paediatric palliative care in BMJ Support and Palliative Care <http://dx.doi.org/10.1136/bmjspcare-2020-002449>

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<sup>4</sup><https://pubmed.ncbi.nlm.nih.gov/33394637/>

<sup>5</sup><https://bmcmedicine.biomedcentral.com/articles/10.1186/s12916-020-01728-1>

**Associate Professor Natalie Bradford and team:** Cancer Incidence, Mortality, and Survival for Children, Adolescents, and Young Adults in Queensland Between 1987 and 2016 in *Journal of Adolescent and Young Adult Oncology*

**Associate Professor Debbie Long and team:** An observational study of hypoactive delirium in the post-anesthesia recovery unit of a pediatric hospital in *Paediatric Anesthesia*

<https://doi.org/10.1111/pan.14122>

## Conferences, Seminars and Workshops



### **Comprehensive Systematic Review Training at Mater Health**

A self-directed and online learning program will be held between 15-19th of June. Registration details are below, but you can also contact Mary-Anne Ramis<sup>6</sup> to register your interest or ask questions.

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<sup>6</sup><https://mary-Anne.Ramis5@mater.org.au>

# Comprehensive Systematic Review Training



15-19 February 2021

Self-directed and online learning program (via Zoom) -  
online sessions approx. 4 hours/day

*\*Ongoing support provided for review authors*

Presented by: The Queensland Centre for Evidence-Based Nursing and  
Midwifery: A JBI Centre of Excellence & Mater Health Services, Mater  
Health, South Brisbane

<p><b>DAY 1: Module 1*:</b> <b>Introduction to Evidence-Based Health Care and the Systematic Review of Evidence</b></p> <p><b>Aim:</b> To develop a comprehensive understanding of the principles of evidence-based healthcare.</p> <p><b>Objectives:</b> To prepare participants to:</p> <ul style="list-style-type: none"><li>describe the origins and development of evidence-based health care;</li><li>describe and discuss the systematic review process;</li><li>become familiar with different types of review questions;</li><li>develop a systematic review protocol with the JBI SUMARI software; and</li><li>learn key principles for searching the evidence.</li></ul>	<p><b>DAYS 2&amp;3: Module 2:</b> <b>Systematic Review of Quantitative Evidence</b></p> <p><b>Aim:</b> To develop a comprehensive understanding of the processes involved in undertaking a quantitative systematic review following the JBI approach.</p> <p><b>Objectives:</b> To prepare participants to:</p> <ul style="list-style-type: none"><li>learn key principles involved in critical appraisal, data extraction and data synthesis and apply these principles;</li><li>become familiar with how to clearly present the findings and results of your review and key principles involved in interpreting results;</li><li>have a solid understanding of reviews of effectiveness.</li></ul>	<p><b>DAYS 4&amp;5: Module 3:</b> <b>Systematic Review of Evidence Generated by Qualitative Research, Narrative and Text</b></p> <p><b>Aim:</b> To develop a comprehensive understanding of the processes involved in undertaking a qualitative systematic review and a review of text and opinion following the JBI approach.</p> <p><b>Objectives:</b> To prepare participants to:</p> <ul style="list-style-type: none"><li>become familiar with the importance of text and opinion as evidence;</li><li>learn the key principles involved in critical appraisal, data extraction and data synthesis of qualitative data and text and opinion data;</li><li>Discuss other types of systematic and scoping review methods.</li></ul>
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*\*Module 1 is a prerequisite to either the quantitative or qualitative module*

**Facilitators:** Kate Kynoch, RN, PhD; Mary-Anne Ramis, RN PhD

**Please register your interest early as there are limited places.**  
To register interest and for further details please email Mary-Anne Ramis:  
[Mary-Anne.Ramis@mater.org.au](mailto:Mary-Anne.Ramis@mater.org.au)

[mater.org.au](http://mater.org.au)



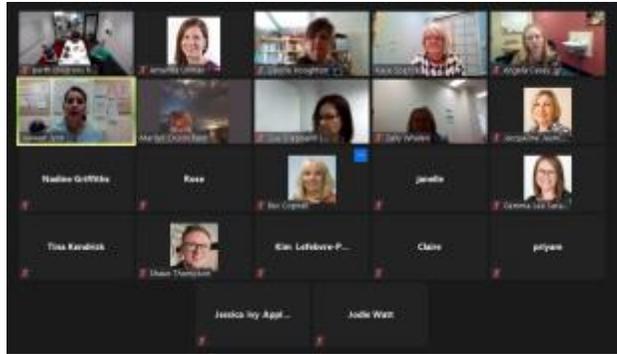
The Queensland Centre  
for Evidence Based  
Nursing and Midwifery  
A JBI Centre of Excellence

JBI Certificate indicating  
Modules completed will be provided.

## National Nursing Student Research Showcase

The Australian Paediatric Nurse Scientists held their inaugural National Nursing Student Research Showcase for paediatric nursing HDR students on Tuesday 24th November. There were 8 presentations by HDR students from across Australia, including our Tricia Kleidon. It a great opportunity to showcase the strong work being led by paediatric nurses and strengthen future cross-institutional projects.

This is now going to become a biannual or triannual event, so please consider volunteering to present. More details to follow.



### Paediatric Education for Nursing Staff (PENS) Course

The PENS course<sup>7</sup> was held in December, including presentations by Amanda Harley and Amanda Ullman. This is a bi-annual course run in partnership with the Paediatric Emergency Medicine (PEM) collaborative. Lots of interesting presentations and discussions to improve everyday paediatric clinical practice.



5 - Amanda Ullman presenting on difficult vascular access

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<sup>7</sup><https://www.pemrevision.com/pens-course-brisbane.html>



6 - Amanda Harley presenting on sepsis

## Opportunities

### Journal of Children and Young People's Health (JCYPH)

**Expressions of interest are being sought to joining the peer review panel for the Journal of Children and Young People's Health (JCYPH) - the official journal of the Australian College of Children and Young People's Nurses (ACCYPN).**

ACCYPN is the peak Australian nursing professional organisation representing children, young people, families and the nurses who care for them. The College represents a diverse range of nursing, from acute care to community-based services. The JCYPH aims to reflect this diversity in its content. For more information about JCYPH - please check out their website <sup>8</sup>The College is currently seeking expressions of interest for peer reviewers and is grateful to reviewers who, like the editorial team, can give their time and expertise for free to promote good science in our field. Your EOI needs to include a brief one-page letter outlining your interest in this role as well as

- educational level and qualifications
- area of clinical expertise/practice

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<sup>8</sup><https://www.accypn.org.au/jcyph-journal/>

- fields of research and research methods
- any experience in publication
- your CV.

Enquiries to be directed via email to [info@accypn.org.au](mailto:info@accypn.org.au) including your best contact number.



### **New Collaborative: Mum, PhD**

Are you juggling motherhood and academia? There is a new online community just for you. **Mum, PhD** is a new discussion forum for women combining academia and motherhood (now or in the future). Like all newborns *Mum, PhD* is going to need plenty of love and time to grow, and we are focusing on developing our new community. We'd love to have you join the conversation. You will need to register to participate to ensure that the discussions occur in a private space. You can register for *Mum, PhD* here: <http://mumphd.freeforums.net><sup>9</sup>. Please feel free to pass it onto any interested friends and colleagues. To find out more jump onto the website, or contact Dr Amy Mitchell (UQ Parenting and Family Support Centre) at [a.mitchell15@uq.edu.au](mailto:a.mitchell15@uq.edu.au)<sup>10</sup>. We hope to see you there!

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<sup>9</sup><https://protect-au.mimecast.com/s/Q-P0COMxVEHpwO98LUvdyWI?domain=mumphd.freeforums.net>

<sup>10</sup><mailto:a.mitchell15@uq.edu.au>

