



November - December 2022 PATTERN Newsletter

Welcome to the November - December 2022 PATTERN Newsletter.

The last couple of weeks has seen a hive of energy and activity at CHQ, with many events hosted in celebration of Dream Big Week, following on from the CHQ Research Symposium. Congratulations to everyone involved and it was great to see so many nursing-led projects profiled during the events.

We also launched our **2023 CHQ/UQ Transitions Excellence Program**, aiming to shape future nursing and midwifery leaders. This 18 month honours program is also being offered at other major health service districts in south east Queensland.

This week, CHQ launched the offering of **2023 Aboriginal and Torres Strait Islander nursing cadetships**. The cadetship offers Aboriginal and Torres Strait Islander students who are studying a full -time tertiary

qualification (minimum of 60CP) in nursing with the opportunity to perform a range of clinical support activities and develop their skills on the job. Cadets work under the delegation and supervision of a registered nurse to provide effective patient care. If you know of any potentially talented applicants, please sent them this [link](#).

Our CHQ Nursing Research website is currently undergoing a big overhaul, and we will be excited to showcase our new website early in 2023.

Our final PATTERN activity for 2023 is the **AusPANS National Paediatric Nursing Showcase** (see below). We have had a flurry of submissions in the final week, and have put together a diverse agenda, with methods varying between quality improvement projects to scoping reviews, and specialties from cardiac wounds to mental health of parents in NICU settings.

When: Thursday 17th November, 1-3pm Queensland time

Where: in person at CCHR (Level 6 boardroom), or via Teams (calendar invite has been sent)

It is sure to be an interesting afternoon, and I look forward to seeing you there to learn and support each other.

There is plenty to celebrate and learn about in the rest of the newsletter, and it has been great to see everyone get stuck into conference attendance and planning.

AusPANS National Paediatric Nurse Research Showcase - 2022 QLD



Australian Paediatric Nursing Scientists (AusPANS)
6th National Paediatric Nurse
Research Showcase
Thursday 17th November 2022
1300 – 1500 (AEST)
CCHR (L6 Board Room) and [Teams](#)

| Time | Presenter | Presentation |
|------------|--|---|
| 1:00-1:15 | Prof Amanda Ullman Adj Prof Callan Bartley (CHQ EDNS, QLD) | Welcome Opening remarks |
| 1:15-1:30 | Kristen Sloney (QLD) | Virtual Reality- Fun and games in challenging paediatric burns pain |
| 1:30-1:45 | Mitchel Dufficy (QLD) | Extravasation injury management for neonates and children. A systematic review and aggregated case series |
| 1:45-2:00 | Jacqui Cunninghame (QLD) | Immunogenicity and safety of vaccination in children with paediatric rheumatic diseases: A scoping review |
| 2:00-2:15 | Kate Trenoweth (QLD) | Co-design and Implementation Pilot of a Post-trauma electronic paediatric psychosocial Screen (CIPPS) |
| 2:15-2:30 | Jennifer Orchard (QLD) | Wound management practices for paediatric cardiac patients across Australia |
| 2:30-2:45 | Kim Lefebvre-Poirer (VIC) | Mental health of parents experiencing the NICU: a scoping review |
| 2:45- 3:00 | Thanks and close | |

Abstract presentation format: 10 min oral presentation; 5 min questions

For further information please contact Amanda Ullman via email a.ullman@uq.edu.au or Amanda.ullman@health.qld.gov.au

Congratulations!

Congratulations to Professor Natalie Bradford



Huge congratulations to our brand new Professor Bradford! Natalie has been a vital leader in paediatric cancer care nursing since the old RCH days, so it is fantastic to see her talents recognised in the new appointment.

She has had a busy couple of months, with Natalie and her team launching the creation of an Australian-first digital toolkit to help families manage children's cancer treatment. Great work for making big changes to the life of cancer patients!

For the whole story, please read [here](#).

Congratulations to Associate Professor Bronwyn Griffin



Congratulation to A/Professor Griffin who was interviewed by 9News recently. Her U.S. Department of Defence Grant-sponsored international trial is making an impact on translating the best burn first aid evidence in the U.S.

Well done Bron!!

Apply 20 minutes of cool running water within the first 3 hours of injury.

<https://twitter.com/9NewsQueensland/status/1584104456173473793?s=20&t=AcQ4Egy3ovjIVrnGH9zI TA>

Congratulations to Professor Amanda Ullman



Congratulations to Prof Amanda Ullman for being awarded a \$1.56M [NHMRC Investigator grant](#) to research the prevention of central venous catheter-associated harm for children treated with cancer. Using this fantastic investment over the next 5 years, her program will seek to transform the way interdisciplinary clinicians practice at three critical points: when they select, insert and manage children's central venous catheters (CVC).

Congratulations to Dr Amy Mitchell



Congratulations Dr Amy Mitchell taking up a Senior Lecturer position in the University of Queensland, School of Nursing Midwifery and Social Work from January 2023. Amy's research focuses on disentangling the complex relationships between child behaviour, parenting factors, and children's health, and using parenting intervention to improve health and developmental outcomes in childhood. Her cross-disciplinary paediatric and child health research uses a broad range of quantitative and qualitative research methods, and focuses on developing effective, evidence-based solutions to clinical problems facing children, families, and health care providers.

Congratulations to Dr Amanda Harley



Congratulations to Dr Amanda Harley for her conference presentations and Education outreach.

Conference presentations:

1. A state-wide approach to the implementation of a paediatric sepsis pathway: A journey. Oral presentation at the International Conference for Emergency Nurses 28-30th September 2022, Gold Coast, Australia.

2. The one about Paediatric Sepsis. Invited presenter at Don't Forget The Bubbles conference 29-31st August 2022, Brisbane, Australia.

Education outreach:

3. **Harley A**, Raman S, Francisco K. Torres and Cape clinician and health worker engagement. Raising the profile for paediatric sepsis in Aboriginal and Torres Strait Islander communities. 10-14th October 2022, Torres and Cape Primary Health Clinics (five site delivery), Queensland, Australia.

4. Recognition and management of paediatric sepsis for pre-hospital care providers. Invited speaker on The Student Paramedic podcast 8th September 2022, Brisbane, Australia.

Congratulations to Dr Deanne August



- **Congratulations to Deanne August** appointment as the Neonatal/Infant Research Fellow for CHQ/UQ and a recently successful conference attendance, (at the Australian College of Neonatal Nurse's national Event, September 2022, Coff's Harbour) with 3 presentations and an award for Best Presenter. Presentations were related to skin injury frequency and vascular access outcomes for neonates.

Congratulations to Dr Grace Xu



- **Congratulations to Dr Grace Xu** winning the Best Scientific Paper Award at the 19th International Conference for Emergency Nurses, she was also an invited panel speaker for the 'Career Opportunities in Emergency Care' during the conference. She also delivered two pre-conference workshops focusing on emergency nursing fast-track skills, which received positive feedback.

New publications

Congratulations to all who successfully nursed their paediatric research projects all the way through to publications these last two months. Don't forget to reach out to any of these authors for advice on your project:

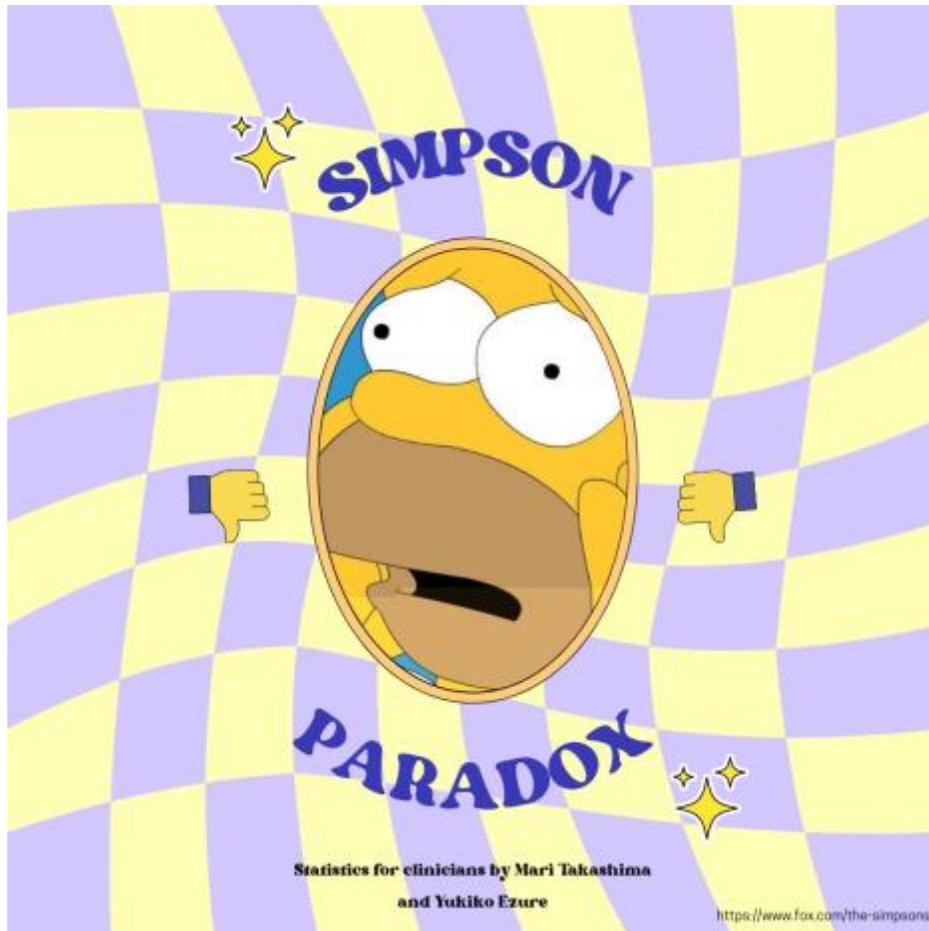
- **Amanda Ullman and colleagues:** Long peripheral catheters in children: A scoping review. *J Hosp Med*. [DOI: 10.1002/jhm.12968](https://doi.org/10.1002/jhm.12968).
- **Amy Mitchell and colleagues:** Childhood experiences of being parented, adult attachment, psychological inflexibility, social engagement, and mental health of autistic adults. *Research in Developmental Disabilities*. <https://doi.org/10.1016/j.ridd.2022.104343>.
- **Amy Mitchell and colleagues:** Psychological interventions targeting mental health and the mother-child relationship in autism: Systematic review and meta-analysis. *Developmental Medicine & Child Neurology*. <https://doi.org/10.1111/dmcn.15432>.
- **Amy Mitchell and colleagues:** Protocol of a cluster randomised controlled trial evaluating the effectiveness of an online parenting intervention for promoting oral health of 2-6 years old Australian children. *BMJ Open*. 2022 Oct 13;12(10):e056269. [DOI: 10.1136/bmjopen-2021-056269](https://doi.org/10.1136/bmjopen-2021-056269).
- **Bronwyn Griffin, Hui Grace Xu and colleagues:** The effect of 20 minutes of cool running water first aid within three hours of thermal burn injury on patient outcomes: A systematic review and meta-analysis. *Australas Emerg Care*. 2022 Dec;25(4):367-376. [DOI: 10.1016/j.auec.2022.05.004](https://doi.org/10.1016/j.auec.2022.05.004).

- **Debbie Long and colleagues:** General practitioner perspectives on a shared-care model for paediatric patients post-intensive care: A cross-sectional survey. *Aust Crit Care*. 2022 Oct 6;S1036-7314(22)00098-4. [DOI: 10.1016/j.aucc.2022.07.007](https://doi.org/10.1016/j.aucc.2022.07.007).
- **Elizabeth Forster, Catherine Kotzur and colleagues:** Paediatric post-discharge pain and parent perceptions of support from an Australian nurse practitioner led acute pain service. *J Child Health Care*. 2022 Sep;26(3):394-406. [DOI: 10.1177/13674935211014742](https://doi.org/10.1177/13674935211014742).
- **Geraldine Roderick and colleagues:** Educating the educators: Implementing cultural safety in the nursing and midwifery curriculum. *Nurse Educ Today*. 2022 Oct;117:105473. [DOI: 10.1016/j.nedt.2022.105473](https://doi.org/10.1016/j.nedt.2022.105473).
- **Helen Petsky and colleagues:** Effects of a therapeutic exercise program in children with non-cystic fibrosis bronchiectasis: A pilot randomized controlled trial. *Front Pediatr*. 2022 Sep 15;10:953429. [DOI: 10.3389/fped.2022.953429](https://doi.org/10.3389/fped.2022.953429).
- **Jeanine Young and colleagues:** Evaluation of the CARES Skills Framework as a Peer Support Model in the Paramedic Undergraduate Curriculum: Facilitating Challenging Discussions in a Safe Environment. *Prehosp Emerg Care*. 2022 Sep 30;1-7. [DOI: 10.1080/10903127.2022.2125136](https://doi.org/10.1080/10903127.2022.2125136).
- **Jeanine Young, Lauren Kearney and colleagues:** The impact of an autonomous nurse-led high-flow nasal cannula oxygen protocol on clinical outcomes of infants with bronchiolitis. *J Clin Nurs*. 2022 Sep 26. [DOI: 10.1111/jocn.16525](https://doi.org/10.1111/jocn.16525).
- **Jessica Elliott, Lee O'Malley and colleagues:** Educating the educators: Implementing cultural safety in the nursing and midwifery curriculum. *Nurse Education Today*. <https://doi.org/10.1016/j.nedt.2022.105473>.
- **Jessica Schults, Claire Rickard, Debbie Long, Tricia Kleidon and colleagues:** Quality measurement and surveillance platforms in critically ill children: A scoping review. *Aust Crit Care*. 2022 Sep 15;S1036-7314(22)00097-2. [DOI: 10.1016/j.aucc.2022.07.006](https://doi.org/10.1016/j.aucc.2022.07.006).
- **Lee O'Malley and colleagues:** Nursing care and management of paediatric emergencies in regional and rural settings: a scoping review. *Journal of Children and Young People's Health*, 3(2), 10-19. DOI: <https://doi.org/10.33235/jcyph.3.2.10-19>.
- **Natalie Bradford and colleagues:** Therapeutic exercise interventions in pediatric survivors of brain cancer and other solid tumors: A scoping review. *Front Pediatr*. 2022 Sep 16;10:979292. [DOI: 10.3389/fped.2022.979292](https://doi.org/10.3389/fped.2022.979292).
- **Sherryn Bailey, Karin Plummer and colleagues:** Parenting interventions targeting early parenting difficulty: A scoping review. *Journal of Child Health Care*. <https://doi.org/10.1177/13674935221116696>.
- **Victoria Kain and colleagues:** Development of the Simplified Chinese version of neonatal palliative care attitude scale. *Frontiers in Pediatrics*. <https://doi.org/10.3389/fped.2022.962420>.

Don't forget to let us know if you have a publication accepted - we'd love to share it with your colleagues.

Simpson Paradox

Presented by Mari Takashima and Yukiko Ezure





Simpson's paradox tells us that the (aggregated/surface level of) data could trick us unless we understand what is going on behind it. So, we need critical thinking when dealing with data, understanding potential biases and confounding.

For example, we have a result of a retrospective report of two treatments. An outcome is a number of patients who got successfully recovered.
(number recovered / number treated)

| | Treatment A | Treatment B | Total |
|--------|-------------|-------------|---------|
| Male | 23/25 | 67/77 | 90/102 |
| Female | 56/75 | 16/23 | 72/98 |
| Total | 79/100 | 83/100 | 162/200 |





| | Treatment A | Treatment B | Total |
|--------|-------------------------|-------------------------|---------|
| Male | 23/25 | 67/77 | 90/102 |
| Female | 56/75 | 16/23 | 72/98 |
| Total | 79/100 (79%) | 83/100 (83%) | 162/200 |

Let's look at the total row here.
When you look at Treatment A vs. Treatment B, the
Treatment B group has a great recovery (83%) than
Treatment A!

So should we use Treatment B?



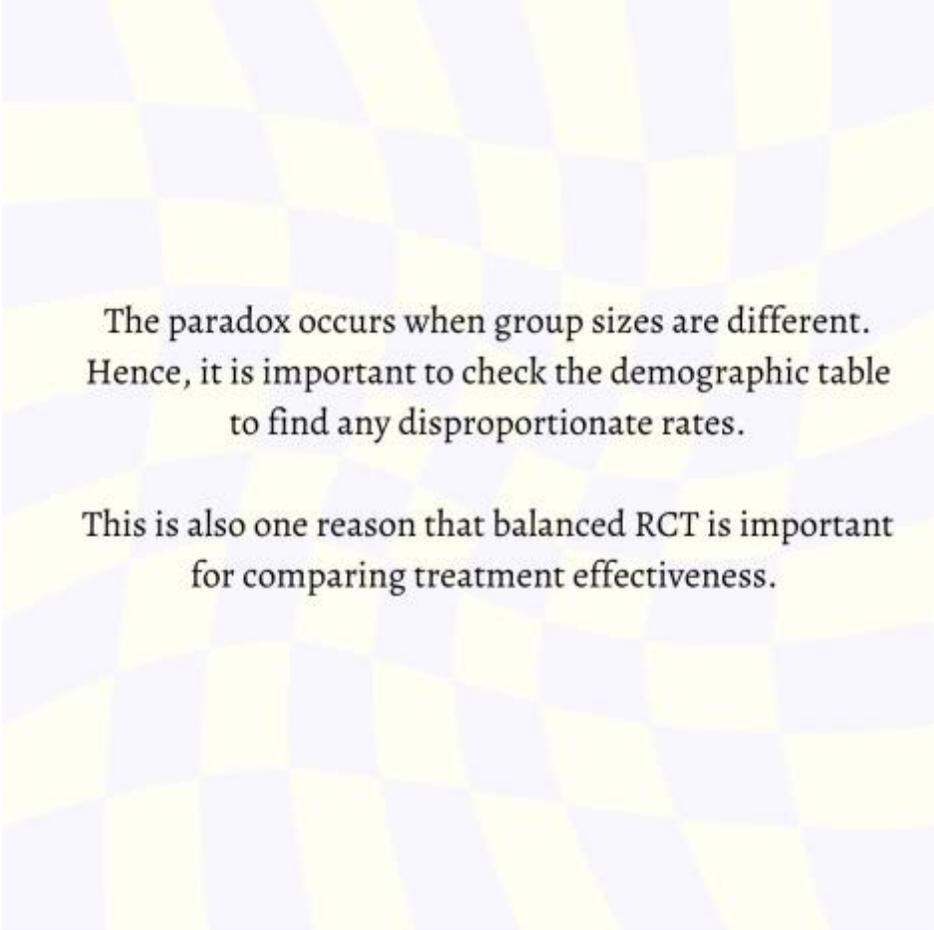


Now look at these cells.

| | Treatment A | Treatment B | Total |
|---------------|--------------------|--------------------|--------------|
| Male | 23/25 (92%) | 67/77 (87%) | 90/102 (88%) |
| Female | 56/75 (75%) | 16/23 (70%) | 72/98 (73%) |
| Total | 79/100 | 83/100 | 162/200 |

Now Treatment A has higher recovery in both males (92% vs 87%) and females (75% vs 70%) compared to Treatment B when stratified!!





The paradox occurs when group sizes are different.
Hence, it is important to check the demographic table
to find any disproportionate rates.

This is also one reason that balanced RCT is important
for comparing treatment effectiveness.

Scholarships and Grants Opportunities

Scholarship project: Designing and developing a digitally-enabled wellness intervention for young people with cancer

- **Project opportunity**

This Earmarked Scholarship project is aligned with a recently awarded Category 1 research grant. It offers you the opportunity to work with leading researchers and contribute to large projects of national significance.

In partnership with Canteen and key adolescent and youth cancer services around Australia, this project will design and implement a digitally-enabled wellbeing intervention for young people affected by cancer. The project team seek PhD candidates with an interest in one or more of the following variables critical to the wellbeing of the target cohort: quality of life, physical activity, nutrition, sleep health and

psychological distress. Students with an interest in health economics or the development and delivery of human-centred internet and app-based interventions are also invited to apply.

- **Scholarship value**

As a scholarship recipient, you'll receive:

living stipend of \$29,863 per annum tax free (2023 rate), indexed annually
tuition fees covered
single Overseas Student Health Cover (OSHC)

For more information, please click [here](#).

2022–23 Medical Research Future Fund (MRFF) Grant Opportunities

Expression of Interest – MRFF Grant Assessment Committee
The Department of Health is seeking interest from a range of stakeholders to assist in MRFF grant review and assessment processes as a member of a Grant Assessment Committee for a number of 2022–23 MRFF grant opportunities.

The MRFF helps shape the future of health and medical research, improve lives and contributes to an innovative and sustainable health system. It has a particular focus on collaborative and translational research and utilises grant assessment processes that embrace diverse perspectives, including alternative disciplines, industry, health care and consumer experience.

In line with the published MRFF Grant Opportunity Guidelines, MRFF grant assessments have a strong focus on impact and value and the Department of Health is interested in hearing from people with translation, implementation, and a health and medical consumer focus, who can demonstrate experience and/or expertise in the following areas:

Translation of research into clinical practice
Commercialisation of health research
Transdisciplinary research; for example, collaboration and/or engagement between researchers, consumers, patient groups, those involved in health service delivery and industry
International research projects, including clinical trials
Health economics and biostatistics
Representing consumer and/or community organisations.
It is not essential to have a research qualification to contribute to MRFF grant assessment.

For more information, please click [here](#).

Opening soon: Self-nominations to participate in NHMRC Peer Review for 2023

It is anticipated that from Monday 19 September 2022, researchers will be able to nominate themselves through the Forms tab in Sapphire to participate in NHMRC peer review processes in 2023.

Information on how to access and complete the self-nomination form is available in the Sapphire Assessor Self Nominations tutorial. Self-nominations will be open for a two-week period.

Researchers will need an active Sapphire account to complete the self-nomination form. Instructions are available under 'How do I activate my Sapphire account?' on the [Sapphire Help page](#). NHMRC suggests doing this before the self-nomination form is available, to guarantee account activation prior to the deadline.

If you are aware of any researchers interested in participating as peer reviewers, please direct them to NHMRC's peer review page.

Researchers will also need to ensure that their Sapphire Profile is completed and up to date when self-nominating for [peer review](#) (particularly their 'Fields of Research' and 'Peer Review Area' sections).

For more information, please click [here](#).

Conferences, Seminars and Workshops

International Congress on Evidence-based Parenting Support

Abstract submissions now open

On behalf of the Parenting and Family Research Alliance (PAFRA), Chairperson Professor Matthew Sanders is delighted to announce the first International Congress on Evidence-based Parenting Support (I-CEPS). This global event will be hosted by PAFRA and held online on 6-8 June 2023. During these three exciting days, we aim to advance research, policy and practice in the field of parenting and family intervention.

The theme of I-CEPS 2023 is *Promoting wellbeing and health globally through effective parenting support*. The Congress organisers are looking forward to bringing together researchers, policymakers, practitioners, consumers, and service providers in the parenting support community. We aim to inspire innovation and collective action, and empower parents and families around the world to benefit the next generation.

Abstract submissions are now open. We invite those interested to submit papers, symposia, video posters and workshops on the following sub-themes:

- The impact of parenting on child and family wellbeing
- Improving outcomes for hard-to-reach and vulnerable families
- Global perspectives on evidence-based parenting support
- Flexible service delivery in diverse caregiving contexts
- Implications of implementation science for evidence-based parenting support

- Future directions of parenting support

Abstract submissions close 18 November 2022. For further details visit i-ceps.pafra.org

We look forward to receiving your submission and hope to see you in 2023.

2022 ACIPC International Conference

The 2022 ACIPC International Conference which will take place 13 – 16 November. ACIPC is excited to be delivering the 2022 conference in hybrid format, with the in-person component of the event to be held at the International Convention Centre, Sydney. The theme for this year's conference is: Leading through the expanding horizons of IPC.

Infection prevention and control (IPC) is a critical element within health, both acute and community and our aged care settings. However, the last two years of the COVID-19 pandemic has highlighted the importance of IPC to those in the broader community. While the pandemic has dominated on so many fronts, it has also provided an opportunity to showcase the IPC leadership and innovation that exists within Australia.

The conference will provide an opportunity to reflect on the lessons learnt during the pandemic, our remote leadership, pivoting and adapting the past to deal with the present and future and the innovations that have occurred in IPC along with other developments in industry and research. The ACIPC 2022 Conference will focus on capturing new approaches and thinking, as well as the cornerstones of IPC with healthcare epidemiology; antimicrobial resistance and stewardship; IPC in long-term care and non-clinical settings; education, training, and staff development; community engagement and patient care.

By attending the conference, you will learn from national and international experts, network with likeminded professionals, and meet with Australasia's largest collection of IPC industry suppliers.

For more information, please click [here](#).

50th Anniversary Infusion Nurses Society (INS) 2023

50th Anniversary Infusion Nurses Society (INS) 2023 is organized by Infusion Nurses Society (INS) and will be held from Apr 01 - 04, 2023 at Sheraton Boston Hotel, Boston, Massachusetts, United States of America.

Description :

Connect live with members of the infusion specialty from all over the globe to learn about the latest improvements to patient care and see the newest products on the infusion market today. The

academically rigorous sessions will challenge you and increase your expertise while allowing you to with colleagues, share experiences, and learn from the experts.

SIOP in PATTERN

Our PATTERN members Professor Natalie Bradford and Dr Karin Plumber experienced 4 outstanding days of cutting-edge science, engaging debates and networking with world renowned experts at the recent SIOP ([International Society of Paediatric Oncology](#)) meeting in Barcelona.

- Professor Natalie Bradford was honoured to present a Keynote, which was an amazing experience. Spain was spectacular and it was such a joy to meet so many wonderful people face to face.





- Dr Karin Plummer was invited to present at the psycho-oncology pre-conference workshop and had an abstract accepted for a poster.

Her presentation and poster explored the contextual facilitators and barriers to managing pain during paediatric bone marrow transplant and highlighted the need to manage both physical and psychological pain.





Survey

- How do you use the hospital EMR to care for children with pain?

Please see the flyer below regarding an optional [survey](#) on EMR and pain.



NURSES & DOCTORS Needed for Research on Using EMRs in Children's Pain Care

HELP US LEARN ABOUT:

How you use the hospital EMR to care for children with pain

WHO CAN PARTICIPATE?

Nurses and doctors who work in an Australian tertiary children's hospital with an EMRs

PARTNERSHIP Study
Exploring recommendAtions and pRacTice using
EMRS to Help kids In Pain

HOW WILL YOU HELP?

Complete an online survey
Total time 10-15mins



QUESTIONS?

Contact Nicole Pope (RN,
PhD Candidate)
Ph: 0400 981 610
Nicole.pope@student.unimelb.edu.au

ACCESS THE SURVEY WITH
THE QR CODE OR
[THIS LINK](#)



HREC APPROVAL NUMBER: 2022-23409-30913-3

- Are you a nurse, midwife or phlebotomist working in newborn care?

You are invited to complete a brief survey about breastfeeding, skin-skin & sucrose during needles, please scan QR code for survey.

Are you a nurse, midwife or phlebotomist working in newborn care?



Scan QR code for survey



You are invited to complete a brief survey about breastfeeding, skin-skin & sucrose during needles

@Prof_DeniseHarrison



University of Melbourne Human Research Ethics Committee Approval number 2022-23533-32124-3

Contact us



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If you have anything that you would like featured in an upcoming edition of the PATTERN Newsletter, please email the blurb and any relevant information (photos, links, dates) to a.ullman@uq.edu.au