

Northern Health Research Digest

Issue #14 01 April 2025



Recognising outstanding contribution from NH's Surgery Research Team

Congratulations to NH's Surgery Research Team, Dr Russell Hodgson and Ms Andrea Ditoro, for being among the top 5% of data contributors to the AlliGatOr Project!

The AlliGatOr study- Appendicitis Global Outcomes Study identifying areas for whole systems strengthening in emergency care – is an international, prospective, multi-center cohort study aiming to evaluate emergency health system performance using acute appendicitis as a benchmark. The study will collect data from patients undergoing appendectomy across multiple hospitals globally, providing insights into variations in management, access to emergency care, imaging, and minimally invasive surgery.

Findings will inform policy recommendations for both high-income and low- and middle-income countries, ultimately improving patient outcomes.

Tune into the Window on Monday 14th April at 12pm, to hear more about this work!



NH Publication Highlights

Here is a selection of recent research publications led by Northern Health. Congratulations to our researchers on their valuable contributions to advancing knowledge!

Van K, Ma XW, Loughran J, Brown A, Lindsey S, Wong H, Furlanos S, Varadarajan S, Kyi M. Proactive inpatient diabetes service model of care observed to decrease severe hyperglycaemia and hypoglycaemia in a 'real-world' Australian hospital setting. Intern Med J. 2025 Mar 4. doi: 10.1111/imj.70018. Epub ahead of print. PMID: [40035158](#).

Mohamedrashed M, Yogakanthi S, Chauhan A, Lucas S, Garg M. Patients With Experience of Hospitalization for Acute Severe Ulcerative Colitis Prefer Inpatient to Home-Based Care. J Patient Exp. 2025 Feb 24;12:23743735241301918. doi: 10.1177/23743735241301918. PMID: [40007856](#)

Wu H, Guduguntla A, Gyomber D, Niall O, Satasivam P. NSQIP surgical risk calculator: a useful adjunct for the urology multidisciplinary meeting. ANZ J Surg. 2025 Jan-Feb;95(1-2):117-123. doi: 10.1111/ans.19357. Epub 2024 Dec 13. PMID: [39670558](#).

Brook R, Suleiman M, Rigano J, Lui B, Nandurkar H, Ho P, Lim HY. Tissue factor pathway inhibitor levels and atherothrombotic events in patients with chronic kidney disease or diabetes. J Thromb Thrombolysis. 2025 Mar 10. doi: 10.1007/s11239-025-03077-3. Epub ahead of print. PMID: [40064839](#).

Yiu W, Hannan LM, Tacey M, Suleiman M, Muruganandan S. Impact of a specialised pleural medicine unit in the management of pleural infection. Intern Med J. 2025 Mar 6. doi: 10.1111/imj.70028. Epub ahead of print. PMID: [40047037](#).

Satasivam P, Alwis S, Sundaralingam S, Niall O. Implementing High-Quality Retroperitoneal Lymph Node Dissection for Testicular Cancer at an Australian Tertiary Hospital: Challenging the Centralisation Paradigm in High-Need Areas. Res Rep Urol. 2025 Mar 10;17:59-67. doi: 10.2147/RRU.S474281. PMID: [40092728](#)

Pho J, Tran A, Suleiman M, Tran D, Fan WQ, Barker R, Subhi R. Stay Put or Move Out? A Review of Acute Respiratory Illness Transfers Out of a Peripheral Centre and Their Characteristics: A Retrospective Cohort Study. J Paediatr Child Health. 2025 Mar 13. doi: 10.1111/jpc.70033. Epub ahead of print. PMID: [40083137](#).

Hassan S, Chan V, Stevens JE, Stupans I, Gentle J. User perceptions of surgical antimicrobial prophylaxis guidelines in orthopaedic surgery in a tertiary Australian hospital. PLoS One. 2025 Mar 20;20(3):e0319829. doi: 10.1371/journal.pone.0319829. PMID: [40111985](#)

Choi K, Huang M, Savige J. Developing a more accurate population frequency of Marfan syndrome from predicted pathogenic FBN1 variants in the gnomAD cohorts. Sci Rep. 2025 Mar 18;15(1):9292. doi: 10.1038/s41598-025-93832-6. PMID: [40102521](#)

Chow CL, Han HC, Teh AW, Lim RP, Salehi H, Koshy AN, Hare DL, Sanders P, Farouque O, Lim HS. Continuous Rhythm Monitoring and Signal-Averaged Electrocardiogram to Risk Stratify Ventricular Arrhythmia in Mitral Valve Prolapse. JACC Adv. 2025 Mar 19;4(4):101643. doi: 10.1016/j.jacadv.2025.101643. Epub ahead of print. PMID: [40112575](#)

Hassan S, Chan V, Stevens JE, Stupans I, Gentle J. User perceptions of surgical antimicrobial prophylaxis guidelines in orthopaedic surgery in a tertiary Australian hospital. PLoS One 2025; 20(3): e0319829. doi: 10.1371/journal.pone.0319829. eCollection 2025. PMCID: [PMC11925292](#)

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Free Webinar- Wednesday, 02 April 2025 ICH GCP Guidelines: What's New, What's Changed, What's Next!



A Must-Attend for Clinical Research Professionals

Join the GCP team from the Therapeutic Goods Administration (TGA) and Dr. Tanya Symons, an internationally recognised GCP expert, for a 90-minute webinar on the latest updates to ICH GCP.

This webinar will :

- Discuss expectations regarding the TGA's process of adopting the updated guidelines, including sector consultation and estimated timelines.
- Provide an overview of the critical changes to ICH GCP E6 R3.
- Demystify new concepts, such as Quality by Design.
- Discuss practical guidance on implementing a flexible and efficient approach to GCP.

The revisions will impact all professionals working in the clinical research industry. Register [here](#).

If you would like to feature any items on the Research Digest, please contact [us](#).



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