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Advanced nurse practitioner's valuable role in nursing and sustainable healthcare globally

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Advanced Nurse and Midwife Practitioners (ANMPs)

- Advanced Nurse Practitioners promote wellness, offer healthcare interventions and advocate healthy lifestyle choices for patients, their families and carers in a wide variety of setting according to agreed scope of practice guidelines. ANP's are important contributors to healthcare.

INFORMATION

- Aim: To explore how ANP's contribute to nursing and sustainable healthcare globally.
- Qualitative study: Review of peer reviewed literature followed by focus group interviews
- Findings: Indicate that ANP's deliver positive outcomes

Implications for practice

- In Ireland, ANP's work at interdisciplinary and multidisciplinary levels with colleagues in medicine, surgery, physiotherapists, radiographers, pharmacists and social and community care.

ANP's practice dimensions

ANP's are able to:

- Articulate and demonstrate the concept of advanced practice nursing within the framework of relevant legislation
- Demonstrate advanced clinical decision-making skills, research expertise and leadership (NMBI 2014/16).

Sustainable Innovative nursing care in cardiology:

- A study by O 'Toole et al. (2019) on collaboration between ANPs in two cardiology units in Ireland offering equitable care to patients presenting to ED with chest pain.
- Findings indicate high levels of patient satisfaction with care provided including pain relief.



Sustainable Cardiac Innovation

A photograph of a complex electronic circuit board, likely a medical device component, with numerous white wires connected to it. The board is dark, and the wires are illuminated by a blue light, creating a glowing effect. The background is dark, and the overall scene is lit with blue light, giving it a futuristic and technical appearance.

- Manoj et al. (2019), explored the impact on patient outcomes of nurse-led elective direct current cardioversion (DCCV) in patients with atrial fibrillation. Findings indicated that high rhythm conversion success rates supported the belief that highly skilled nurses can ensure positive results.

Trauma orthopaedic care

- McBrien 2019 in an acute hospital trauma care setting studied the role of ANPs in diagnosing and managing effectively Lisfranc injury to the tarso-metatarsal joint complex including pain management (McBrien, 2019).



Hip fractures in elderly

Prevention strategies used by nursing staff for elderly patients with hip fractures and delirium resulted in significant reduction in postoperative delirium and psychological pain (Freter et al. 2017) . Nurses used delirium-friendly pre-printed postoperative orders (PPOs) ANP's collaborate with pain clinic nurses and teams in pain management post orthopaedic surgery



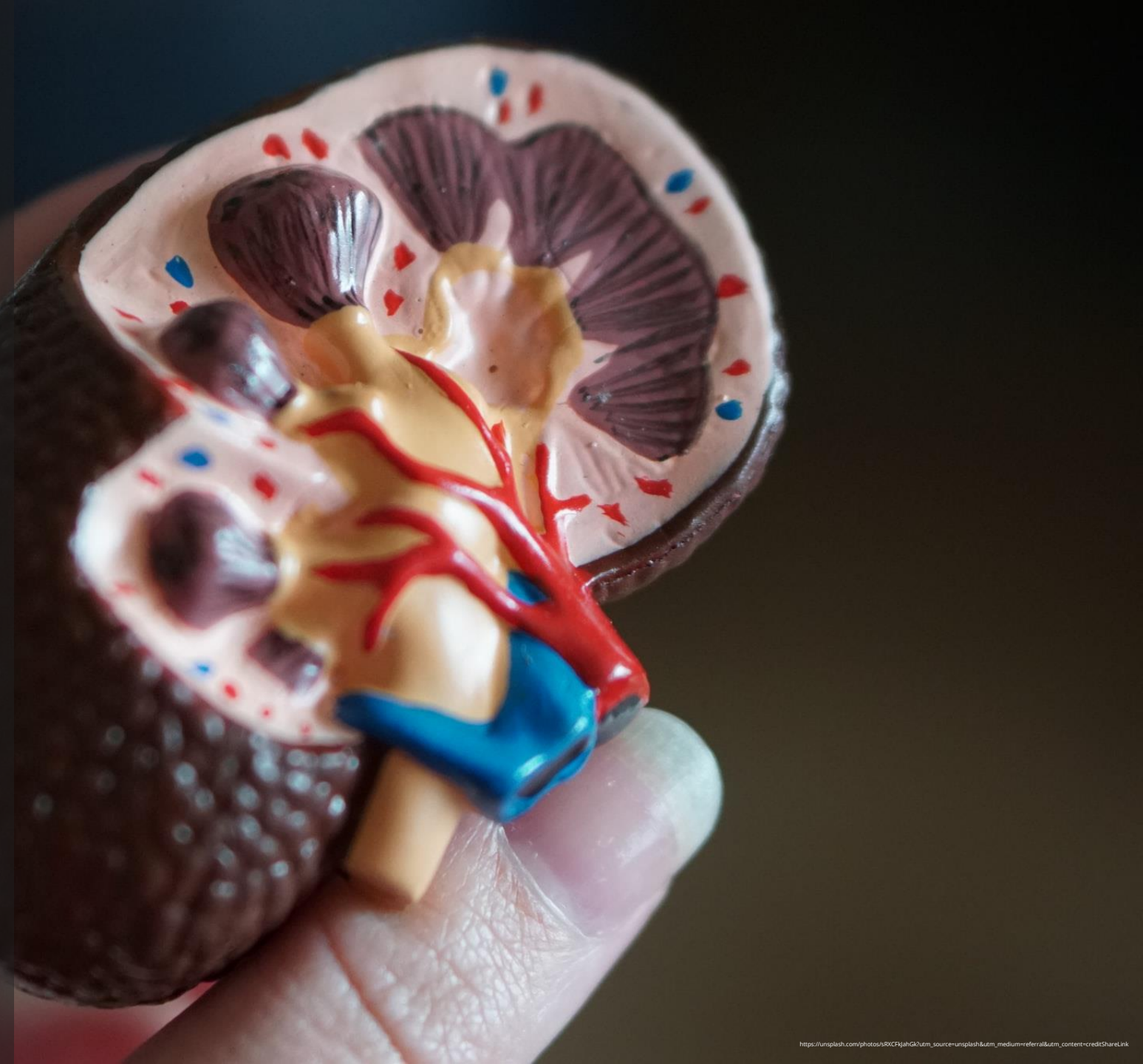
Spinal cord injury

- In a similar strategic initiative aimed at reducing trauma in spinal cord injury, Reynolds et al. (2018) evaluated a bundle of implementation strategies through a strategic pre-program, post-program, and follow-up design. Findings indicated that this strategy improved neuro-critical care nurses' knowledge of, and adherence to spinal cord injury guidelines.



Chronic kidney disease

- McCrory et al. (2018) explored the impact of ANPs on patient outcomes in chronic kidney disease (CKD). Management of CKD requires a collaborative approach. Findings indicated that the addition of an ANP is superior or equal to the usual care models for the management of CKD. A further Irish study by Kelly & Kelly (2016) found that patient's experience of living with a ureteric stent was enhanced by ANPs who provided psychological support including pain relief and education.



Lumbar Puncture

- Lavery and Whitaker (2018) researched the training of ANP's to perform lumbar puncture, a procedure mostly undertaken by doctors that requires skill, knowledge and experience, demonstrating benefits for patients and medical colleagues.



Conclusion

Conclusions: ANP's realise and articulate the value and diversity that they bring to health systems. However, they have been under-utilised generally, creating barriers to achieving universal health coverage and the Sustainable Development Goals. ANP's need to more actively articulate the value and diversity they bring to health care and to global health sustainability. Education for interdisciplinary partners, policymakers and the public regarding ANP capacities is needed as lack of awareness of the systemic processes that enable and constrain the role affects their contribution to healthcare systems.

Recommendations: ANP's need to highlight the extraordinary growth of the role and of their impact by increasing the quantity and quality of their research in journal manuscripts.

References

Freter, S., Koller, K., Dunbar, M., MacKnight, C., Chris M. (2017) [Translating Delirium Prevention Strategies for Elderly Adults with ...](https://pubmed.ncbi.nlm.nih.gov/27874185) https://pubmed.ncbi.nlm.nih.gov/27874185

De Raeve P., Davidson P M., Bergs J., Patch M., Jack S M., Castro-Ayala A., Xyrichis A., Preston W. (2023) Advanced practice nursing in Europe-Results from a pan-European survey of 35 countries. *Journal of Advanced Nursing*. 2023:00:1-10. DOI: 10/1111/jan15775

Kelly, T. and Horrigan Kelly M. (2019) [Living with ureteric stents: a phenomenological study.](https://europepmc.org/article/MED/31070979) https://europepmc.org/article/MED/31070979

Lavery J, Whitaker T (2018) Training advanced practitioners to perform lumbar puncture. *Nursing Times [online]*; 114: 11, 33-35 Manoj, S., Moore, Z., Patton, D., O'Connor, T., Nugent, L.E (2019) [**The impact of a nurse-led elective direct current cardioversion in atrial fibrillation on patient outcomes: A systematic review**](#)

[**...J Clin Nurs.**](#) (19-20):3374-3385. doi: 10.1111/jocn.14852. Epub 2019 May 5. <https://pubmed.ncbi.nlm.nih.gov/30916816>

McBrien, B. (2018) [Lisfranc injury: assessment and management in emergency](https://pubmed.ncbi.nlm.nih.gov/30375205) https://pubmed.ncbi.nlm.nih.gov/30375205

McCrorry, G., Patton, D., Moore, Z., O'Connor, T., L. (2018) *The impact of advanced nurse practitioners on patient.* *Journal of Renal Care.* Volume 44, Issue 4p. 197-209. geraldinem.mccrory@gmail.com. orcid.org/0000-0002-6701-1391

McDonnell, C., Goodwin A, Kennedy E, Hawley F, Gerrish K, Smith K (2015)

An evaluation of the implementation of Advanced Nurse Practitioner (ANP) roles in an acute hospital setting. *Journal of Advanced Nursing* (John Wiley & Sons, Inc.), Apr2015; 71(4): 789-799. ISSN: 0309-2402

<http://proxy.library.rcsi.ie/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=rzh&AN=101362955&site=ehost-live>

References

Institute of Medicine (2014) Report on the future of nursing. USA

Ingram S; Offiah G, (2023) Implementation and outcomes of an advanced nurse practitioner

Telephone chest pain clinic developed in response to the COVID-19 pandemic. *The*

Journal for nurse practitioners: JNP [J Nurse Pract], ISSN: 1555-4155, 19 (6), pp. 104599; Publisher: Elsevier; PMID: 37065708

Richmond J P; Johnston A; Kelly M G; Roche K; Murphy P J.; Murphy A W. (2022) Stakeholders' perceptions of a community-based advanced nurse practitioner-led integrated oncology care model for adults receiving oral anti-cancer medication—A qualitative study *European Journal of Cancer Care*, Nov2022; 31(6): 1-10. ISSN: 0961-5423.

Newnam, K., and Bunch., M. (2017) [Glucose Gel as a Treatment Strategy for Transient Neonatal ...](https://pubmed.ncbi.nlm.nih.gov/28857766)

<https://pubmed.ncbi.nlm.nih.gov/28857766>

Stoneman P., Adams J., Colbert F., Sheahan R. (2021) [A rare case of vernakalant-induced 1:1 atrial flutter during chemical cardioversion of atrial fibrillation requiring emergency direct current cardioversion](https://doi.org/10.12968/bjca.2021.0002). *British Journal of Cardiac Nursing*16(5):1-4 DOI: 10.12968/bjca.2021.0002.

Walker C A. (2020) Advanced and Specialist Nursing Practice in Emergency Surgery: The Team Approach. *Academia. Edu*

https://www.academia.edu/69037239/Advanced_and_Specialist_Nursing_Practice_in_Emergency_Surgery_The_Team_Approach



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Thank you

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