



Translating Research Findings in Surgery

– October 2024

FACTS:

- The number of surgical research publications has increased by over 50% in the past decade, reflecting the rapid expansion of clinical knowledge.
- Research indicates that the average time for new surgical techniques to be adopted into clinical practice ranges from 5 to 15 years.

PROJECT CYCLE:

2024–2028

PARTNERS:

The George Institute for Global Health, Australia

ACI Agency for Clinical Innovation
UNSW Sydney

SUPPORTERS:

The George Institute for Global Health, Australia

PRINCIPAL INVESTIGATOR:

Professor Manuela Ferreira

BACKGROUND:

- With the expanding body of clinical knowledge in surgical procedures, driven by evidence-based research and clinician experience, the demand for translating research findings into practice and implementing changes is increasing.
- The adoption of new techniques and phasing out of old ones in clinical practice can be slow, facing many barriers and significantly impacting patient outcomes.

AIM:

- To increase the efficiency and effectiveness of translating research findings into surgical clinical practice by connecting evidence-based research results with surgical clinical practice and ultimately improve patient outcomes.
- A keystone to the project is working closely with clinicians and a diverse range of experts to identify the barriers and facilitators of translating research findings into practice, ultimately culminating in an implementation framework for surgery.

METHODS:

- The research project will be collaborative in nature, with a four-step approach for developing a useful framework for clinicians, researchers, local health districts, and clinical guideline bodies to reference for implementing evidence-based care in identified surgical procedures.
- The approach begins with baseline data collection through scoping reviews and clinician surveys. This informs discussions in the second phase, an international forum led by the research team and key partners. The third phase synthesises forum outcomes into the surgical implementation framework, which is then disseminated to clinical associations and health care leaders in Australia and globally in the fourth phase.

IMPACT

- Our shared goal is to provide the best possible care for patients, making it crucial for surgical practices to evolve alongside clinical and research findings that support optimal outcomes.
- By adopting a collaborative, listen-first approach with the surgical community and patients, we aim to unify the surgical and research communities, ultimately enhancing patient care.

CONTACT:

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