

Evaluation of Body Surface Gastric Mapping in a Multidisciplinary Integrated Care Pathway for Chronic Gastrointestinal Symptoms

ACTRN12623000562673

Status	RECRUITING
Sponsor	Metro South Hospital and Health Service
Enrollment	62 participants

Plain Language Summary

This study is looking at a non-invasive stomach mapping test called Body Surface Gastric Mapping (BSGM) for people with long-term, unexplained gut symptoms such as chronic nausea, bloating, or stomach pain. The BSGM test uses a wearable patch on the abdomen to measure electrical signals from the stomach — similar to how an ECG reads the heart — to detect whether the stomach's muscle activity is abnormal.

Researchers want to find out whether your BSGM test result can predict how well you will respond to a 12-week integrated care program that combines medical, psychological, and behavioural support. The idea is that some gut problems are caused by nerve and muscle issues, while others respond better to stress management and therapy — and the BSGM test may help tell which is which.

You may be eligible if you are 18 or older, have been referred to Princess Alexandra Hospital's gastroenterology integrated care clinic, and are prepared to complete the 12-week program. People who are pregnant or who have significant skin conditions or adhesive allergies on the stomach area would not be suitable.

Key Eligibility Criteria

Inclusion (2)

- All consenting patients aged over 18 years presenting to the Department of Gastroenterology & Hepatology at the Princess Alexandra Hospital referred to, and willing to participate in, the Integrated Care Clinic project (HREC/2021/QMS/75204- A practice change for patients with severe chronic, clinically unexplained gastrointestinal symptoms: A randomised, controlled intervention to assess efficacy and cost-effectiveness) at Princess Alexandra Hospital. This is a per-protocol analysis and only patients completing the intervention 12 week course will be included in the analyses. Patients not completing the recommended multidisciplinary course (estimated at ~35% of entering patients) will be noted for completeness but their results will not be evaluated.
- Patients with BMI>35 may be included in the study for secondary subgroup analyses, but will be excluded from analyses involving GA-RI or reference intervals.

Exclusion (2)

- Contraindications for Gastric Alimetry testing, including damaged or fragile epigastric skin, adhesive allergy, or inability to sit still for a period of testing (e.g. marked tremor).
- Participants who are pregnant will be excluded from this study.

Locations (1 total)

Princess Alexandra Hospital - Woolloongabba, QLD, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12623000562673>

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