



## Predicting outcomes of gastric peroral endoscopic myotomy using a gastric electrical mapping system: GPOEM-GEMS

We invite all centres in Aotearoa New Zealand performing gastric peroral endoscopic myotomy (GPOEM) to join our prospective cohort study investigating predictors of G-POEM success using Gastric Alimetry.

This study is kindly funded by the **NZSG Janssen Research Fellowship**.

### **Background:**

Gastroparesis is a chronic debilitating disorder with significant burden to patients and healthcare systems. GPOEM is an emerging treatment for medically refractory gastroparesis. However, a third of patients lack clinical benefit from the procedure at 1-year follow-up. Gastric Alimetry is a new test of gastric function using non-invasive electrical mapping and simultaneous symptom capture.

### **Aims:**

This international, multicentre, prospective, observational cohort study aims to determine if Gastric Alimetry can predict treatment response to GPOEM in patients with refractory gastroparesis. We aim to develop a clinical decision rule through a predictive model to enhance patient selection for GPOEM.

### **Methods:**

Patients being considered for GPOEM will undergo a Gastric Alimetry test within 30-days prior to their procedure, and subsequently be followed up at 1m, 3m, 6m, and 12m post-GPOEM using a patient-facing mobile app (MyCap).

### **Contact:**

If you would like to enrol to join the **GPOEM-GEMS** study, please email:

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