

# PHYSIOLOGIC EXPLORATION OF GASTRIC EMPTYING WITH HIGH-RESOLUTION ANTROPYLORODUODENAL MANOMETRY

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Poster

Oesophagus

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**High-resolution antroduodenal manometry identified distinct postprandial motility alterations in 72% of patients with delayed gastric emptying, primarily reduced antral contraction frequency and increased pyloric spasms.**

## KEY POINTS

- In 60 patients undergoing concurrent high-resolution antroduodenal manometry and gastric emptying breath tests, 25 had delayed gastric emptying and 35 had normal emptying.
- Patients with delayed gastric emptying showed lower frequency of postprandial antral contractions compared to those with normal emptying (1.39 vs 2.22 contractions per minute,  $p=0.002$ ), with 56% having fewer than 1 contraction per minute.
- Pyloric spasms, defined as 3 minutes of repeated isolated pyloric contractions, were significantly more frequent in the delayed emptying group during the postprandial period (32.0% vs 5.7%,  $p=0.02$ ).
- No differences in antral or duodenal motor profiles were observed during the interdigestive period, and basal pyloric pressure did not differ between groups.
- The authors suggest high-resolution antroduodenal manometry may help select patients with pylorospasms for pylorus-targeted therapies.

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