



## Primary analysis of gastroparesis pathogenesis

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### Abstract

**AIM:** Generally recognized three main pathogenesis can lead to gastroparesis, including diabetic gastroparesis (DG), surgical gastroparesis (SG) and idiopathic diseases in recent years.

**METHODS:** We selected 81 patients with symptoms of functional dyspepsia, who had undertaken gastric emptying examination by radionuclide scintigraphy to investigate the primary diseases. It was found 42 patients had delayed gastric emptying (51.8%).

**RESULTS:** The primary analysis of pathogene was shown in DG 5 patients, SG 4 patients, IG (including chronic gastritis, gastroparesis, functional dyspepsia and unknown) 33 patients.

**CONCLUSION:** Since the patients of each group were different, it is difficult to make a statistical analysis. But we have some primary impressions: (1) The possibility of diabetic patients with gastroparesis was fairly high, and their degree of gastroparesis was severer than others. (2) There was only 1 patient after gastrectomy, whose gastric emptying was delayed (GET 1/2 was 155 s, 90 s gastric emptying rate was 32%). (3) From these cases of IG we can find some reasons. All of chronic superficial gastritis, chronic atrophy gastritis and functional dyspepsia show motility disorder. This is a very interesting special field. It is worthy to investigate more patients.

**Key words:** Gastroparesis; Pathogenesis

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