EFFICACY OF ENDOSCOPIC BAND LIGATION FOR DUODENAL NEUROENDOCRINE NEOPLASMS: A SINGLE-CENTER OBSERVATIONAL STUDY

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A single-center retrospective study of 138 patients found that endoscopic band ligation achieved complete lesion clearance in 95% of patients with duodenal neuroendocrine neoplasms at 3-12 month follow-up.

KEY POINTS

- 138 patients (mean age 53.92±11.95 years, 107 male, 31 female) underwent duodenal endoscopic band ligation for neuroendocrine neoplasms between June 2020 and February 2023 at a single Indian center
- Most lesions were non-functional (90%), located in the first part of duodenum or duodenal bulb (89%), single (85%), less than 1cm in size (80%), and well-differentiated with Ki67 index less than 3% (67% of those tested)
- Follow-up endoscopy in 104 patients showed complete clearance in 92 patients (95% therapeutic efficacy); 12 patients had residual lesions, of whom 4 required repeat band ligation after imaging confirmation
- Post-procedure upper abdominal pain occurred in 11 patients (8%) and resolved with conservative management
- The authors conclude that endoscopic duodenal banding should be considered for well-differentiated, low-grade duodenal neuroendocrine neoplasms after excluding metastases, though they recommend prospective studies to establish it as a standard treatment

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