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### Recent advances in third space or intramural endoscopy

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### Abstract

Third space endoscopy or intramural endoscopy is based on the principle that the deeper layers of the gastrointestinal tract can be accessed by tunneling in the submucosal space and maintaining the integrity of the overlying mucosa. The era of third space endoscopy started with peroral endoscopic myotomy (POEM) for treatment of achalasia and has expanded to treat various other gastrointestinal disorders. The technique is also currently used for treatment of refractory gastroparesis, Zenker's diverticulum (ZD), resection of subepithelial tumors and early cancers of the gastrointestinal tract and Hirschsprung's disease (HD). These procedures are rapidly emerging as minimally invasive alternatives to conventional surgery. They are safe and

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The last few decades have seen significant improvements in the capabilities of **gastrointestinal endoscopy**. One example is the ability to gain access to the **second space** (peritoneal cavity) and the **third space** (**intramural** or **submucosal space**). In this month's issue of Gastroenterology & Hepatology, one of our feature articles highlights **recent developments** in the operating field of **third-space endoscopy**.

**Author:** Gary R. Lichtenstein    **Publish Year:** 2018

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Initially utilized for achalasia, **third-space endoscopy procedures** are now being used for other indications, such as subepithelial tumors, refractory gastroparesis, and Zenker diverticulum. As our understanding of this space improves, the future of **third-space endoscopy** holds promise in diagnostic as well as **therapeutic GI endoscopy**.

## [Recent Advances in Third-Space Endoscopy.](#)

<https://www.ncbi.nlm.nih.gov/pubmed/29942220>

Recent Advances in Third-Space Endoscopy. 1. Gastroenterol Hepatol (N Y). 2018 Apr;14(4):224-232.

Recent Advances in Third-Space Endoscopy. Nabi Z(1), Nageshwar Reddy D(1), Ramchandani M(1).

Author information: (1)Dr Nabi and Dr Ramchandani are consultant gastroenterologists and Dr Reddy is chairman and chief gastroenterologist at the Asian Institute of Gastroenterology in Hyderabad, India.

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**Author:** Zaheer Nabi, D Nageshwar Reddy, Mohan R...

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The recent advances in **third space** endoscopic procedures have not only permitted endoscopic access to places, previously thought impossible, but also enabled the precision of surgery along with reduced peri-operative morbidity due to its minimally invasive nature.

**Author:** Malav P. Parikh, Niyati M. Gupta, Madhusudhan R. Sanaka

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