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Comprehensive management of full-thickness luminal defects: The next frontier of gastrointestinal endoscopy

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### Abstract

Full thickness gastrointestinal defects such as perforations, leaks, and fistulae are a relatively common result of many of the endoscopic and surgical procedures performed in modern health care. As the number of these procedures increases, so too will the number of resultant defects. Historically, these were all treated by open surgical means with the associated morbidity and mortality. With the recent advent of advanced endoscopic techniques, these defects can be treated definitively while avoiding an open surgical procedure. Here we explore the various techniques and tools that are currently available for the treatment of gastrointestinal defects including through the scope clips, endoscopic suturing devices, over the scope clips, sealants, endoluminal stents, endoscopic suction devices, and fistula plugs. As fistulae represent the most recalcitrant of defects

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full-thickness luminal defects: The next frontier of gastrointestinal endoscopy



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