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**Novel strategy of endoscopic submucosal dissection using an insulation-tipped knife for early gastric cancer: near-side approach method**
Genki Mori, Satoru Nonaka, Ichiro Oda, Seiichiro Abe, Haruhisa Suzuki, Shigetaka Yoshinaga, Takeshi Nakajima, Yutaka Saito
Endosc Int Open 2015: 10.1055/s-0034-1392567

Endoscopic submucosal dissection (ESD) using insulation-tipped knives (IT knives) to treat gastric lesions located on the greater curvature of the gastric body remains technically challenging because of the associated bleeding, control of which can be difficult and time consuming. In this article, the authors introduce a novel strategy called the “near-side approach method” to eliminate these difficulties.

**Biophotonic endoscopy: a review of clinical research techniques for optical imaging and sensing of early gastrointestinal cancer**
Sergio Coda, Peter D. Siersema, Gordon W. H. Stamp, Andrew V. Thillainayagam
Endosc Int Open 2015: 10.1055/s-0034-1392513

Detection, characterization, and staging constitute the fundamental elements in the endoscopic diagnosis of gastrointestinal diseases, but histology still remains the diagnostic gold standard. New developments in endoscopic techniques may challenge histopathology in the near future. This review describes some of the most recent applications of biophotonics in endoscopic optical imaging and metrology, along with their fundamental principles and the clinical experience that has been acquired in their deployment as tools for the endoscopist.

**Development of a device for detecting target specimens from EUS-guided FNA samples**
Kazuya Matsumoto, Masaru Ueki, Yohei Takeda, Kenichi Harada, Takumi Onoyama, Soichiro Kawata, Yuichiro Ikeuchi, Ryu Imamoto, Yasushi Horie, Yoshikazu Murawaki
Endosc Int Open 2015: DOI 10.1055/s-0034-1393076

Specimens collected by fine needle are microscopic and contain blood; therefore, the presence of a target specimen within a sample is often difficult to confirm. Although rapid on-site evaluation (ROSE) during endoscopic ultrasound-guided fine needle aspiration biopsy (EUS-FNA) is beneficial, many health care facilities are unable to apply this technique due to a lack of cytopathologists. The aim of this study is to develop and validate a device that detects the target specimen within pancreatic tumor EUS-FNA samples.

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