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Basic Study

Efficacy of hybrid endoscopic submucosal dissection with SOUTEN in gastric lesions: an *ex vivo* porcine model basic study

Esaki M *et al.* Efficacy of gastric hybrid ESD with SOUTEN

Mitsuru Esaki, Eikichi Ihara, Norikazu Hashimoto, Shuichi Abe, Chihoko Aratono, Noriko Shiga, Yorinobu Sumida, Hiroyuki Fujii, Kazuhiro Haraguchi, Shunsuke Takahashi, Tsutomu Iwasa, Kayoko Nakano, Masafumi Wada, Shinichi Somada, Kei Nishioka, Yosuke Minoda, Haruei Ogino, Yoshihiro Ogawa

19
Abstract

BACKGROUND

Match Overview

1	Crossref 186 words Mitsuru Esaki, Toshiki Horii, Ryoji Ichijima, Masafumi Wada et al. "Assistant skill in gastric endoscopic submucosa ...	5%
2	Crossref 141 words "UEG Week 2019 Poster Presentations", United European Gastroenterology Journal, 2019	4%
3	Internet 86 words crawled on 30-Oct-2020 www.researchsquare.com	2%
4	Internet 86 words crawled on 25-Apr-2021 www.wjgnet.com	2%
5	Crossref 57 words "UEG Week 2015 Poster Presentations", United European Gastroenterology Journal, 2015	1%
6	Crossref 53 words Yasuyo Hayashi, Mitsuru Esaki, Sho Suzuki, Eikichi Ihara et al. "Clutch Cutter knife efficacy in endoscopic submu ...	1%
7	Crossref Posted Content 31 words Ryoji Ichijima, Mitsuru Esaki, Shun Yamakawa, Yosuke Minoda, Sho Suzuki, Chika Kusano, Hisatomo Ikehara, Taku ...	1%
8	Crossref 29 words Hiromasa Hazama, Masaki Tanaka, Naomi Kakushima, Yohei Yabuuchi et al. "Predictors of technical difficulty dur ...	1%

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[\(PDF\) Endoscopic gastric submucosal dissection ...](#)

<https://www.researchgate.net/publication/305491265...>

Endoscopic submucosal dissection can be safely and effectively achieved in a **porcine model** with the ERBE Hybrid Knife and should be considered a suitable device for this procedure in humans. View ...

[Submucosal endoscopy with mucosal resection: a hybrid ...](#)

<https://www.sciencedirect.com/science/article/pii/S0016510712023395>

Oct 01, 2012 · Preliminary data demonstrate that **endoscopic submucosal dissection** (ESD) may be simplified and made safer by a **hybrid** technique combining **submucosal endoscopy** with a mucosal flap...

Cited by: 26

Author: Christopher J. Gostout, Mary A. Knipschild

Publish Year: 2012

[\(PDF\) Usefulness of a multifunctional snare designed for ...](#)

<https://www.researchgate.net/publication/323013711...>

[6] [7] [8] It is therefore with great interest that we read in this month's Gastrointestinal **Endoscopy** the study by Arimoto et al, 6 "Evaluation of colorectal **endoscopic submucosal dissection** ...

[Endoscopic Submucosal Dissection \(ESD\) Versus Simplified ...](#)

<https://www.researchgate.net/publication/261218127...>

The development of **endoscopic submucosal dissection** (ESD) has enabled en bloc resection of **lesions** regardless of size and shape. However, ESD of colorectal tumors is technically difficult.

Estimated Reading Time: 8 mins

[ESD Hands-on Course Using Ex Vivo and In Vivo Models in ...](#)

<https://pubmed.ncbi.nlm.nih.gov/23251882>

Endoscopic submucosal dissection (ESD) is an established treatment for **gastric** neoplasias especially in regions with a high volume of **gastric** cancer. Although ESD has many advantages over **endoscopic**...

Cited by: 15

Author: Gene Hyun Bok, Joo Young Cho

Publish Year: 2012

[Endoscopic submucosal dissection training with ex vivo ...](#)

<https://www.researchgate.net/publication/256332833...>

Endoscopic submucosal dissection

Surgical Procedure

Endoscopic submucosal dissection is an advanced surgical procedure using endoscopy to remove gastrointestinal tumors that have not entered the muscle layer. ESD may be done in the esophagus, stomach or colon. Application of endoscopic resection to gastrointestinal neoplasms is limited to lesions with no risk of nodal metastasis. Either polypectomy or endoscopic mucosal resection is beneficial for patients because of its low level of invasiveness. However, to ensure the curative potential of these treatment modalities, accurate histopathologic assessment of the resected specimens is essential because the depth of invasion and lymphovascular infiltration of the tumor is associated with considerable risk for lymph node metastasis. For accurate assessment of the appropriateness of the therapy, en bloc resection is more desirable than piecemeal resection. For a reliable en bloc resection of GI neoplasms, a new method of ER called endoscopic submucosal dissection has been developed.



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