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Retrospective Study

Endoscopic ultrasound-measured muscular thickness of the lower esophageal sphincter and long-term prognosis after peroral endoscopic myotomy

Liao Y *et al.* EUS-measured muscular thickness and POEM prognosis

Ye Liao, Ting-yue Xiao, Yu-Fan Wu, Jing-Jing Zhang, Bao-Zhen Zhang, Yi-Dan Wang, Sheng Wang, Xiang Liu, Si-Yu Sun, Jin-Tao Guo

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Author: Daisuke Watanabe, Shinwa Tanaka, ... **Publish Year:** 2019

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Deviere et al. first reported the utility of EUS in achalasia patients using a 7.5-MHz ultrasound endoscope in 1989. 1 They measured the **thickness of the lower esophageal sphincter** (LES) **muscle** layer and reported that the mean **thickness** was greater in the achalasia population than in healthy controls.

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The inner layer of the **muscle** near the **lower esophageal sphincter** will be cut (this is termed **myotomy**). At the conclusion of the procedure, the **esophageal** incision will be closed with standard **endoscopic** clips. Once the procedure is finished, you will need to recover from the anesthesia in the **endoscopy** unit.

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