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Acquiring new complex endoscopic skills: Experience from the development of peroral endoscopic myotomy (POEM) in Malaysia

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Abstract

Peroral endoscopic myotomy (POEM) has rapidly gained popularity as an effective treatment modality for achalasia. However, POEM services in the South East Asian region are not widely available due to either a lack of expertise or interest. In this article, we describe how a POEM service can be developed through a combination of networking with regional experts, having prior experience of endoscopic submucosal dissection (ESD), attending animal model workshops, collaborating with upper gastrointestinal surgeons, and working together in a multidisciplinary team. A total of 68 POEM procedures have been performed since 2015, with a 94.1% technical and 93.4% clinical success rate, and a 21.5% minor complication rate. We believe that our model may be useful for other Endoscopy Units in the region, which are performing advanced therapeutic endoscopy, to develop a POEM service too. © 2021 The Authors. *JGH Open: An open access journal of gastroenterology and hepatology* published by Journal of Gastroenterology and Hepatology Foundation and John Wiley & Sons Australia, Ltd.

Index Keywords

amoxicillin, dabigatran, dexamethasone, metoclopramide, ondansetron, parecoxib, proton pump inhibitor; adult, aged, Article, aspiration pneumonia, cholangitis, doctor patient relationship, dysphagia, endoscopic submucosal dissection, endoscopic surgery, endoscopic ultrasonography, endoscopy, endotracheal intubation, esophagus achalasia, esophagus mucosa, esophagus perforation, female, follow up, gastroesophageal reflux, gastrointestinal endoscopy, gestational age, hiatus hernia, hospitalization, human, laryngoscopy, lung ventilation, major clinical study, Malaysia, male, multidisciplinary team, myotomy, operative blood loss, percutaneous endoscopic gastrostomy, peroral endoscopic myotomy, pneumomediastinum, pneumothorax, skill, stomach cancer, stomach mucosa injury, subcutaneous emphysema, surgeon, thermal injury, thermocoagulation, vomiting

Chemicals/CAS

amoxicillin, 26787-78-0, 34642-77-8, 61336-70-7; dexamethasone, 50-02-2; metoclopramide, 12707-59-4, 2576-84-3, 364-62-5, 7232-21-5, 54143-57-6; ondansetron, 103639-04-9, 116002-70-1, 99614-01-4; parecoxib, 198470-84-7, 198470-85-8

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