

## Gastrointestinal Procedures, Surgical 205

### Table of Content

[Purpose](#)  
[Description & Definitions](#)  
[Criteria](#)  
[Coding](#)  
[Document History](#)  
[References](#)  
[Special Notes](#)  
[Keywords](#)

<u>Effective Date</u>	2/2011
<u>Next Review Date</u>	4/2025
<u>Coverage Policy</u>	Surgical 205
<u>Version</u>	8

**All requests for authorization for the services described by this medical policy will be reviewed per Early and Periodic Screening, Diagnostic and Treatment (EPSDT) guidelines. These services may be authorized under individual consideration for Medicaid members under the age of 21-years if the services are judged to be medically necessary to correct or ameliorate the member's condition. Department of Medical Assistance Services (DMAS), Supplement B - EPSDT (Early and Periodic Screening, Diagnosis and Treatment) Manual.\*.**

### Purpose:

This policy addresses Gastrointestinal Procedures.

- LINX Reflux Management System
- Peroral endoscopic myotomy (POEM)

### Description & Definitions:

**Gastrointestinal procedures** are surgical (invasive and minimally invasive) techniques to repair the esophagus, stomach, and small intestines.

**Angelchik Anti-Reflux Prosthesis** is a surgically implanted collar-shaped, silicone device placed below the diaphragm around the lower esophageal segment and above the stomach, and secured at the gastro-esophageal junction.

**EsophyX is Transoral incisionless fundoplication (TIF)** which is an endoscopic procedure

**Gastric Peroral Endoscopic Myotomy** is a minimally invasive pyloroplasty using an endoscopic camera, tunneling technique into the esophagus and stomach to relax and widen the pyloric sphincter.

**LINX Reflux Management System** is a surgically inserted metal band that wraps around the esophagus to prevent gastroesophageal reflux disease (GERD) by preventing stomach acid from going back up into the esophagus.

**Peroral endoscopic myotomy (POEM)** is a surgical procedure to treat achalasia whereby an incision is made in the esophagus and part of the muscle is removed.

The **Stretta system** uses radiofrequency (RF) as a treatment by inserting a catheter transoral of the transient lower esophageal sphincter (LES).

**Gastric Peroral Endoscopic Myotomy (G – POEM), also called peroral endoscopic pyloromyotomy** is a minimally invasive pyloroplasty using an endoscopic camera, tunneling technique into the esophagus and stomach to relax and widen the pyloric sphincter.

### Criteria:

**Gastrointestinal Procedures** are considered medically necessary for **1 or more** of the following:

- **Peroral Endoscopic Myotomy (POEM)** for **1 or more** of the following:
  - Achalasia
  - Diffuse Esophageal spasm

- **Gastric per-oral endoscopic myotomy (G – POEM)** for **ALL** of the following:
  - Absence of mechanical obstruction confirmed by Esophagogastroduodenoscopy (EGD)
  - A gastric emptying scintigraphy (GES) has confirmed delayed gastric emptying with gastric retention > 20% at 4 hours
  - Intractable nausea and vomiting secondary to gastroparesis
  - Individual has had an inadequate response to conservative treatment of gastroparesis, including dietary modifications, prokinetics and antiemetics.
- **LINX reflux management system** for **1 or more** of the following:
  - Symptomatic GERD unresponsive to medical therapy (eg, heartburn, regurgitation, cough)
  - Surgical treatment of GERD preferred to anticipated long-term medical treatment
  - GERD with development of Barrett esophagus with metaplasia or low-grade dysplasia, stricture, or esophageal ulcer
  - Treatment of GERD after endoscopic therapy of Barrett esophagus with high-grade dysplasia, carcinoma in situ, or mucosal carcinoma
  - In conjunction with esophageal myotomy in patient with achalasia
  - In conjunction with laparoscopic paraesophageal hernia repair
  - Repeat surgery for failed previous antireflux procedures

**Gastrointestinal Procedures** considered **not medically necessary** for any use other than those indicated in clinical criteria, to include but not limited to:

- Angelchik Anti-Reflux Prosthesis
- C-BLART(Clip-Band Ligation Anti-Reflux Therapy)
- Diverticular peroral endoscopic myotomy (D-POEM)
- Electrical Stimulation of the Lower esophageal Sphincter (LES) (eg. Endostim)
- Endoluminal gastric plication (ELGP)
- Endoscopic submucosal injection of bulking agents, beads or other substances
- Endoscopic suturing systems (Eg. Apollo Overstitch, Bard EndoCinch)
- Enteryx (Transesophageal injection therapy)
- Gatekeeper Reflux Repair System (endoscopically-implanted injectable esophageal prosthesis);
- Injection/implantation of biocompatible material (e.g., plexiglas or polymethylmethacrylate [PMMA], Durasphere
- Plicator System (Endoscopic gastroplasty)
- Prophylactic anti-reflux surgery to improve lung function and survival in lung transplant recipients without gastroesophageal reflux disease
- SRS endoscopic stapling system (MediGus Ltd.)
- Transesophageal radiofrequency therapy (note: this does NOT include treatment of Barrett's Esophagus with radiofrequency energy)
- Stretta Procedure
- Transoral incisionless fundoplication for treatment of gastroesophageal reflux disease (EsophyX)
- Zenker peroral endoscopic myotomy (Z-POEM)

### Coding:

Medically necessary with criteria:

Coding	Description
43284	Laparoscopy, surgical, esophageal sphincter augmentation procedure, placement of sphincter augmentation device (ie, magnetic band), including cruroplasty when performed
43285	Removal of esophageal sphincter augmentation device
43497	Lower esophageal myotomy, transoral (ie, peroral endoscopic myotomy [POEM])
43499	Unlisted Procedure, esophagus

## Considered Not Medically Necessary:

Coding	Description
43210	Esophagogastroduodenoscopy, flexible, transoral; with esophagogastric fundoplasty, partial or complete, includes duodenoscopy when performed
43257	Esophagogastroduodenoscopy, flexible, transoral; with delivery of thermal energy to the muscle of lower esophageal sphincter and/or gastric cardia, for treatment of gastroesophageal reflux disease

U.S. Food and Drug Administration (FDA) - approved only products only.

## Document History:

### Revised Dates:

- 2024: April
- 2022: April (x2), September
- 2021: December
- 2020: December
- 2019: September, December
- 2016: March
- 2015: December
- 2014: January
- 2013: February
- 2012: January

### Reviewed Dates:

- 2023: April
- 2020: February
- 2018: April, September
- 2017: March, May
- 2015: January, August
- 2014: June

### Effective Date:

- February 2011

## References:

Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; UpToDate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

§ 876.1500 Endoscope and accessories. (2019, Dec 30). Retrieved Feb 27, 2024, from Code of Federal Regulations: <https://www.ecfr.gov/current/title-21/chapter-I/subchapter-H/part-876/subpart-B/section-876.1500>

(2023, Sep 21). Retrieved Feb 26, 2024, from MCG: <https://careweb.careguidelines.com/ed27/index.html>

AGA Clinical Practice Update on Gastric Peroral Endoscopic Myotomy for Gastroparesis: Commentary. (2023, Apr 20). Retrieved Feb 28, 2024, from American Gastroenterological Association: [https://www.gastrojournal.org/article/S0016-5085\(23\)00212-3/fulltext](https://www.gastrojournal.org/article/S0016-5085(23)00212-3/fulltext)

AGA Clinical Practice Update on the Diagnosis and Management of Extraesophageal Gastroesophageal Reflux Disease: Expert Review. (2023, Apr 14). Retrieved Feb 28, 2024, from American Gastroenterological Association: [https://www.cghjournal.org/article/S1542-3565\(23\)00143-X/fulltext](https://www.cghjournal.org/article/S1542-3565(23)00143-X/fulltext)

AGA Clinical Practice Update on the Personalized Approach to the Evaluation and Management of GERD: Expert Review. (2022, Feb 02). Retrieved Feb 28, 2024, from American Gastroenterological Association: [https://www.cghjournal.org/article/S1542-3565\(22\)00079-9/fulltext](https://www.cghjournal.org/article/S1542-3565(22)00079-9/fulltext)

Comparative Effectiveness Review Of Endoscopic Therapy For Gastroesophageal Reflux Disease. (2022, Jan 24). Retrieved Feb 26, 2024, from Hayes - a symplr company: <https://evidence.hayesinc.com/report/dir.endoscopic147>

Concomitant Transoral Incisionless Fundoplication and Laparoscopic Hiatal Hernia Repair With EsophyX (EndoGastric Solutions Inc.) for Gastroesophageal Reflux Disease. (2023, May 09). Retrieved Feb 26, 2024, from Hayes - a symplr company: <https://evidence.hayesinc.com/report/hta.transoral5547>

Endoluminal Functional Lumen Imaging Probe (EndoFLIP; Medtronic Inc.) For Evaluation Of Esophageal And Gastric Disorders. (2022, Jun 27). Retrieved Feb 26, 2024, from Hayes: <https://evidence.hayesinc.com/report/dir.endoflip4176>

EsophyX2 HD Device with SerosaFuse Fasteners and Accessories. (2017, Jun 22). Retrieved Feb 28, 2024, from U.S. Food and Drug Administration: [www.accessdata.fda.gov/cdrh\\_docs/pdf17/k171307.pdf](http://www.accessdata.fda.gov/cdrh_docs/pdf17/k171307.pdf)

Khashab, M. (2023, Aug 11). Peroral endoscopic myotomy (POEM). Retrieved Feb 28, 2024, from UpToDate: [https://www.uptodate.com/contents/peroral-endoscopic-myotomy-poem?search=Peroral%20Endoscopic%20Myotomy&source=search\\_result&selectedTitle=1%7E16&usage\\_type=default&display\\_rank=1#H194514251](https://www.uptodate.com/contents/peroral-endoscopic-myotomy-poem?search=Peroral%20Endoscopic%20Myotomy&source=search_result&selectedTitle=1%7E16&usage_type=default&display_rank=1#H194514251)

Magnetic Sphincter Augmentation With LINX Reflux Management System (Ethicon Inc.) for Treatment of Gastroesophageal Reflux Disease. (2023, Aug 25). Retrieved Feb 26, 2024, from Hayes: <https://evidence.hayesinc.com/report/htb.linx2659>

Peroral Endoscopic Myotomy for Treatment of Esophageal Achalasia. (2023, Mar 07). Retrieved Feb 26, 2024, from Hayes: <https://evidence.hayesinc.com/report/dir.peroral3346>

Schwaitzberg, S. (2023, Sep 27). Surgical treatment of gastroesophageal reflux in adults. Retrieved Feb 28, 2024, from UpToDate: [https://www.uptodate.com/contents/surgical-treatment-of-gastroesophageal-reflux-in-adults?search=reflux%20gastroesophageal&source=search\\_result&selectedTitle=10%7E150&usage\\_type=default&display\\_rank=9#H2306502690](https://www.uptodate.com/contents/surgical-treatment-of-gastroesophageal-reflux-in-adults?search=reflux%20gastroesophageal&source=search_result&selectedTitle=10%7E150&usage_type=default&display_rank=9#H2306502690)

Stretta (Respiratory Technology Corp.) Radiofrequency Treatment for Gastroesophageal Reflux Disease. (2023, May 05). Retrieved Feb 26, 2024, from Hayes - a symplr company: <https://evidence.hayesinc.com/report/hta.strettagerd5401>

Surgical treatment of Zenker diverticula. (2023, Mar 25). Retrieved Feb 29, 2024, from Annals of Esophagus: <https://aoe.amegroups.org/article/view/6218/html>

Transoral Incisionless Fundoplication 2.0 With EsophyX (EndoGastric Solutions Inc.) for Treatment of Gastroesophageal Reflux. (2023, May 09). Retrieved Feb 26, 2024, from Hayes - a symplr company: <https://evidence.hayesinc.com/report/hta.tifgastro5400>

van Delft, F. (2022, Dec 02). Zenker's diverticulum. Retrieved Feb 29, 2024, from UpToDate: [https://www.uptodate.com/contents/zenkers-diverticulum?sectionName=Flexible%20endoscopy&search=zenker%20diverticulum&topicRef=103958&anchor=H9&source=see\\_link#H229584435](https://www.uptodate.com/contents/zenkers-diverticulum?sectionName=Flexible%20endoscopy&search=zenker%20diverticulum&topicRef=103958&anchor=H9&source=see_link#H229584435)

(2024). Retrieved Feb 28, 2024, from Department of Medical Assistance Services - MES Public Portal: <https://vamedicaid.dmas.virginia.gov/manuals/provider-manuals-library#gsc.tab=0&gsc.q=per%20oral%20endoscopic%20myotomy&gsc.sort=>

NCD: Endoscopy (100.2). (N.D). Retrieved Feb 28, 2024, from Centers for Medicare and Medicaid Services: <https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?ncdid=81&ncdver=1&bc=0>

LCD: Upper Gastrointestinal Endoscopy and Visualization (L34434). (2022, Aug 14). Retrieved Feb 28, 2024, from Centers for Medicare and Medicaid Services: <https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?lcdid=34434&ver=63&bc=0>

LCD: Stretta Procedure (L34553). (2023, Nov 02). Retrieved Feb 28, 2024, from Centers for Medicare and Medicaid Services: <https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?lcdid=34553&ver=39&bc=0>

LCD: Peroral Endoscopic Myotomy (POEM) (L38747). (2021, Feb 28). Retrieved Feb 28, 2024, from Centers for Medicare and Medicaid Services: <https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?lcdid=38747&ver=3&bc=0>

### Special Notes: \*

This medical policy express Sentara Health Plan's determination of medically necessity of services, and they are based upon a review of currently available clinical information. These policies are used when no specific guidelines for coverage are provided by the Department of Medical Assistance Services of Virginia (DMAS). Medical Policies may be superseded by state Medicaid Plan guidelines. Medical policies are not a substitute for clinical judgment or for any prior authorization requirements of the health plan. These policies are not an explanation of benefits.

Medical policies can be highly technical and complex and are provided here for informational purposes. These medical policies are intended for use by health care professionals. The medical policies do not constitute medical advice or medical care. Treating health care professionals are solely responsible for diagnosis, treatment and medical advice. Sentara Health Plan members should discuss the information in the medical policies with their treating health care professionals. Medical technology is constantly evolving and these medical policies are subject to change without notice, although Sentara Health Plan will notify providers as required in advance of changes that could have a negative impact on benefits.

The Early and Periodic Screening, Diagnostic and Treatment (EPSDT) covers services, products, or procedures for children, if those items are determined to be medically necessary to "correct or ameliorate" (make better) a defect, physical or mental illness, or condition (health problem) identified through routine medical screening or examination, regardless of whether coverage for the same service or support is an optional or limited service under the state plan. Children enrolled in the FAMIS Program are not eligible for all EPSDT treatment services. All requests for authorization for the services described by this medical policy will be reviewed per EPSDT guidelines. These services may be authorized under individual consideration for Medicaid members under the age of 21-years if the services are judged to be medically necessary to correct or ameliorate the member's condition. *Department of Medical Assistance Services (DMAS), Supplement B - EPSDT (Early and Periodic Screening, Diagnosis and Treatment) Manual.*

### Keywords:

Anti-reflux, antireflux, anti reflux, esophagus, esophageal, sclerosis, valvuloplasty, Angelchik Anti-Reflux Prosthesis, Anti-Reflux Procedure, Lower esophageal sphincter augmentation devices, Anti-reflux, LINX Reflux Management System, acid reflux, GERD, Barrett esophagus, metaplasia, low-grade dysplasia, stricture, esophageal ulcer, achalasia, Peroral Endoscopic Myotomy, POEM, achalasia, esophageal sphincter, esophagus, anti-reflux disease, Gastroesophageal reflux disease, acid reflux, esophagus, Anti-reflux Procedures and Devices for Gastroesophageal Reflux Disease, Surgical 205