MEDICAL POLICY – 2.01.38
Transesophageal Endoscopic Therapies for Gastroesophageal Reflux Disease

BCBSA Ref. Policy: 2.01.38

Effective Date: Dec. 1, 2017
Last Revised: Nov. 9, 2017
Replaces: N/A

RELATED MEDICAL POLICIES:
2.01.91 Peroral Endoscopic Myotomy (POEM) for Treatment of Esophageal Achalasia
7.01.137 Magnetic Esophageal Sphincter Augmentation to Treat Gastroesophageal Reflux Disease

Select a hyperlink below to be directed to that section.

POLICY CRITERIA | CODING | RELATED INFORMATION
EVIDENCE REVIEW | REFERENCES | HISTORY

∞ Clicking this icon returns you to the hyperlinks menu above.

Introduction

GERD — gastroesophageal reflux disease — is a long-term medical condition. It’s a digestive problem that affects the ring of muscles between the esophagus (the tube that carries swallowed food to the stomach) and the stomach. When food is swallowed, the muscles at the end of the esophagus open so food can pass into the stomach. The muscles then close to prevent acid and stomach contents from backing up into the esophagus. In GERD, however, the ring of muscles is too weak. GERD is usually treated with changes to lifestyle and diet. A number of other treatments have been studied. These include a procedure that is done through the mouth that wraps the upper part of the stomach around the esophagus, the use of radiofrequency energy to try to improve the barrier between the stomach and the esophagus, and the placement of implants or fillers in the esophagus. These procedures are investigational (unproven). More studies are needed to determine if they are effective.

Note: The Introduction section is for your general knowledge and is not to be taken as policy coverage criteria. The rest of the policy uses specific words and concepts familiar to medical professionals. It is intended for providers. A provider can be a person, such as a doctor, nurse, psychologist, or dentist. A provider also can be a place where medical care is given, like a hospital, clinic, or lab. This policy informs them about when a service may be covered.
Policy Coverage Criteria

<table>
<thead>
<tr>
<th>Service</th>
<th>Investigational</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transoral incisionless fundoplication (TIF)</td>
<td>Transoral incisionless fundoplication (TIF) (ie, Esophyx®) is considered investigational as a treatment of gastroesophageal reflux disease.</td>
</tr>
<tr>
<td>Transesophageal radiofrequency</td>
<td>Transesophageal radiofrequency to create submucosal thermal lesions of the gastroesophageal junction (ie, Stretta® procedure) is considered investigational as a treatment of gastroesophageal reflux disease.</td>
</tr>
<tr>
<td>Endoscopic submucosal implantation of a prosthesis or injection of a bulking agent</td>
<td>Endoscopic submucosal implantation of a prosthesis (ie, Gatekeeper™ Reflux Repair System) or injection of a bulking agent eg, polymethylmethacrylate beads [PMMA], zirconium oxide spheres [ie, Durasphere®]) is considered investigational as a treatment of gastroesophageal reflux disease.</td>
</tr>
</tbody>
</table>

Coding

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>CPT</td>
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<tr>
<td>43201</td>
<td>Esophagoscopy, flexible, transoral; with directed submucosal injection(s), any substance</td>
</tr>
<tr>
<td>43210</td>
<td>Esophagastroduodenoscopy, flexible, transoral; with esophagogastric fundoplasty, partial or complete, includes duodenoscopy when performed</td>
</tr>
<tr>
<td>43236</td>
<td>Esophagastroduodenoscopy, flexible, transoral; with directed submucosal injection(s), any substance</td>
</tr>
<tr>
<td>43257</td>
<td>Esophagastroduodenoscopy, flexible, transoral; with delivery of thermal energy to the muscle of lower esophageal sphincter and/or gastric cardia, for treatment of gastroesophageal reflux disease</td>
</tr>
<tr>
<td>43499</td>
<td>Unlisted procedure, esophagus</td>
</tr>
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</table>

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Related Information

N/A

Evidence Review

Description

Transesophageal endoscopic therapies are being developed for the treatment of gastroesophageal reflux disease (GERD). A variety of procedures are being evaluated, including transesophageal (or transoral) incisionless fundoplication (TIF), application of radiofrequency (RF) energy, and injection/implantation of prosthetic devices or bulking agents.

The objective of this evidence review is to determine whether transoral incisionless fundoplication (TIF) using the EsophyX System, application of radiofrequency energy, or injection/implantation of prosthetic devices or bulking agents is an effective treatment for gastroesophageal reflux disease (GERD).

Background

GERD is a common disorder characterized by heartburn and other symptoms related to reflux of stomach acid into the esophagus. Nearly all individuals experience such symptoms at some point in their lives; a smaller number have chronic symptoms and are at risk for complications of GERD. The prevalence of GERD has been estimated to be 10% to 20% in the Western world, with a lower prevalence in Asia.¹

The pathophysiology of GERD involves excessive exposure of the esophagus to stomach acid, which occurs for 1 of 3 reasons. There can be an incompetent barrier between the esophagus and stomach, either due to dysfunction of the lower esophageal sphincter (LES) or incompetence of the diaphragm (e.g., a hiatal hernia). Another mechanism is if some stomach acid has refluxed into the esophagus, the normal rhythmic movements within the esophagus that would move that acid back into the stomach are abnormally slow. A third mechanism is
abnormally slow clearance of acid out of the stomach. In this situation, delayed clearance leads to an increased reservoir of stomach acid and a greater tendency to reflux.

In addition to troubling symptoms, some patients will have more serious disease, which results in complications such as erosive esophagitis, dysphagia, Barrett esophagus, and esophageal carcinoma. Pulmonary complications may result from aspiration of stomach acid into the lungs and can include asthma, pulmonary fibrosis and bronchitis, or symptoms of chronic hoarseness, cough, and sore throat.

Guidelines on the management of GERD emphasize initial medical management. Weight loss, smoking cessation, elevating the head of the bed, and elimination of food triggers are all recommended in recent practice guidelines. Proton pump inhibitors (PPIs) have been shown to be the most effective medical treatment. In a Cochrane systematic review, PPIs demonstrated superiority to H2-receptor agonists and prokinetics in both network meta-analyses and direct comparisons.

The most common surgical procedure used for GERD is laparoscopic Nissen fundoplication. Fundoplication involves wrapping a portion of the gastric fundus around the distal esophagus to increase LES pressure. If a hiatal hernia is present, the procedure also restores the position of the LES to the correct location. Laparoscopic fundoplication was introduced in 1991 and has been rapidly adopted because it avoids complications associated with an open procedure.

Although fundoplication results in a high proportion of patients reporting symptom relief, complications can occur (e.g., dysphagia or gas-bloat syndrome [excessive gastrointestinal gas]). Also, sometimes the laparoscopic procedure needs to be converted to an open procedure.

Due in part to the high prevalence of GERD, there has been interest in creating a minimally invasive transesophageal therapeutic alternative to open or laparoscopic fundoplication or chronic medical therapy. Three types of procedures have been investigated.

1. Transesophageal endoscopic gastroplasty (gastroplication, TIF) is an outpatient procedure. During this procedure, a device is put into the esophagus by way of the mouth and suture(s), staples, or fasteners are placed in the lower esophageal sphincter. The sutures/staples/fasteners are designed to strengthen and lengthen the sphincter to decrease reflux.

2. Radiofrequency (RF) energy has been used to produce submucosal thermal lesions at the gastroesophageal junction. (This technique has also been referred to as the Stretta procedure). Specifically, RF energy is applied through 4 electrodes inserted into the esophageal wall at multiple sites both above and below the squamocolumnar junction. The mechanism of action of the thermal lesions is not precisely known but may be related to
ablation of the nerve pathways responsible for sphincter relaxation or may induce a tissue-
tightening effect related to heat-induced collagen contraction and fibrosis.

3. Submucosal injection or implantation of a prosthetic or bulking agent to enhance the
volume of the lower esophageal sphincter has also been investigated.

One bulking agent, pyrolytic carbon-coated zirconium oxide spheres (Durasphere®), is being
evaluated.

The Gatekeeper™ Reflux Repair System (Medtronic, Shoreview, MN) uses a soft, pliable,
expandable prosthesis made of a polyacrylonitrile-based hydrogel. The prosthesis is implanted
into the esophageal submucosa, and with time, the prosthesis absorbs water and expands,
creating bulk in the region of implantation.

FDA product code: DQX.

Endoscopic submucosal implantation of polymethylmethacrylate beads into the lower
esophageal folds has also been investigated.

**Summary of Evidence**

For individuals who have GERD who receive TIF, the evidence includes 4 small randomized
controlled trials (RCTs), registry data, and numerous case series. Relevant outcomes are
symptoms, change in disease status, quality of life, medication use, and treatment-related
morbidity. The results from these trials are not conclusive. For example, in the largest trial, more
patients who underwent TIF with the EsophyX® device achieved short-term symptom relief, and
there was a greater decrease in esophageal pH for TIF than for continued proton pump inhibitor
(PPI) therapy. However, the mean improvement in symptoms scores did not differ between
groups. The benefit appears to decrease over time, and long-term follow-up is not available for
most outcomes. In the other trials, there was improvement on some outcomes but little benefit
on objective outcomes such as pH measurements. The improvement in subjective symptoms in
the absence of an objective benefit suggests a strong placebo effect of surgery compared with
continued PPI therapy. One small RCT compared TIF with laparoscopic Nissen fundoplication,
and reported no difference in short-term outcomes. Small sample size, substantial loss to
follow-up, and short follow-up make conclusions uncertain. In addition, some outcomes (e.g.,
medication use) favored the Nissen group though differences were not statistically significant.
The evidence is insufficient to determine the effects of the technology on health outcomes.
For individuals who have GERD who receive endoscopic radiofrequency energy (eg, Stretta), the evidence includes 4 small RCTs, a nonrandomized comparative study, and observational studies with longer term follow-up. Relevant outcomes are symptoms, change in disease status, quality of life, medication use, and treatment-related morbidity. The RCTs report improvements in symptoms and quality of life following treatment with RF energy, however, a meta-analysis of these same studies found no significant improvement in outcomes. Nonrandomized studies show maintenance of efficacy at 3 to 10 years, although symptom relief may be lower than after fundoplication, and reoperations greater. Larger RCTs with longer follow-up are needed to better define the risks and benefits of this procedure. The evidence is insufficient to determine the effects of the technology on health outcomes.

For individuals who have GERD who receive esophageal bulking agents, the evidence includes 1 RCT and case series. Relevant outcomes are symptoms, change in disease status, quality of life, medication use, and treatment-related morbidity. The RCT for 1 product was terminated early due to lack of efficacy, while other products have only case series to support use. High-quality data from large RCTs are needed to compare bulking procedures with both sham controls and with the currently accepted treatments for GERD (ie, drug therapy, laparoscopic fundoplication). Well-designed trials should use standardized outcome measures to examine whether subjective improvement (eg, discontinuation of medication therapy, GERD–Health-Related Quality of Life scores) is supported by objective improvement (eg, esophageal acid exposure). The evidence is insufficient to determine the effects of the technology on health outcomes.

**Ongoing and Unpublished Clinical Trials**

Some currently ongoing trials that might influence this review are listed in Table 1.

**Table 1. Summary of Key Trials**

<table>
<thead>
<tr>
<th>NCT No.</th>
<th>Trial Name</th>
<th>Planned Enrollment</th>
<th>Completion Date</th>
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<tr>
<td><strong>Ongoing</strong></td>
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<tr>
<td>NCT01118585</td>
<td>Prospective Outcome Evaluation of Transoral Incisionless Fundoplication (TIF) for the Treatment of Gastroesophageal Reflux Disease (GERD): The TIF Registry Study</td>
<td>500</td>
<td>Dec 2017 active but not recruiting</td>
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<tr>
<td>NCT01110811</td>
<td>A Randomized Controlled Trial Comparing Transoral</td>
<td>60</td>
<td>Mar 2017 active</td>
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<tr>
<td>NCT No.</td>
<td>Trial Name</td>
<td>Planned Enrollment</td>
<td>Completion Date</td>
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</tr>
<tr>
<td></td>
<td>Incisionless Fundoplication (TIF) Using EsophyX With Sham Procedure for the Treatment of PPI Dependent GERD: the TIF vs. Sham Study</td>
<td></td>
<td>but not recruiting</td>
</tr>
<tr>
<td>NCT02211105*</td>
<td>Laparoscopic Nissen Fundoplication (LNF) Surgery Versus Transoral Incisionless Fundoplication (TIF): Anti-Reflux Treatment Registry</td>
<td>46</td>
<td>Dec 2018 terminated</td>
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<tr>
<td>NCT01682265</td>
<td>Stretta in Reflux Uncontrolled by Intake of Inhibitors of Protons Pump (IPP)-The SIRUP Trial-Multicentric, Randomized, Double Blind, Prospective Study</td>
<td>60</td>
<td>Dec 2018</td>
</tr>
<tr>
<td>NCT02366169*</td>
<td>A Worldwide Post-Market Surveillance Registry to Assess the Medigus Ultrasonic Surgical Endostapler (MUSE™) System for the Treatment of GERD</td>
<td>200</td>
<td>Dec 2019</td>
</tr>
</tbody>
</table>

NCT: national clinical trial
* Denotes industry-sponsored or cosponsored trial

Clinical Input Received from Physician Specialty Societies and Academic Medical Centers

While the various physician specialty societies and academic medical centers may provide appropriate reviewers who collaborate with and make recommendations during this process, input received does not represent an endorsement or position statement by the physician specialty societies or academic medical centers, unless otherwise noted.

2011 Input

In response to requests for clinical input on TIF using EsophyX®, input was received from 2 physician specialty societies and 4 academic medical centers while this policy was under review in 2011. The reviewers agreed that TIF is sufficiently different from laparoscopic Nissen fundoplication to warrant evaluation as a separate procedure. The reviewers considered TIF (ie, EsophyX®) to be investigational for the treatment of GERD.
2015 Input

In response to requests for clinical input on transesophageal RF (Stretta®) as a treatment of GERD, input was received from 1 physician specialty society (2 reviewers) and 3 academic medical centers while this policy was under review for 2015. Input was mixed on treatment of GERD with transesophageal RF to create submucosal thermal lesions of the gastroesophageal junction (ie, Stretta®). Potential conflicts of interest were noted by 2 reviewers.

Practice Guidelines and Position Statements

American Society for Gastrointestinal Endoscopy

In 2015, the American Society for Gastrointestinal Endoscopy (ASGE) published guidelines on endoscopic procedures for GERD.36 ASGE gave a number of recommendations based on moderate or high-quality evidence for the endoscopic evaluation of GERD. ASGE suggested, based on low-quality evidence, that antireflux therapy be considered for selected patients with uncomplicated GERD.

American College of Gastroenterology

Updated guidelines released by the American College of Gastroenterology in 2013 state that the usage of current endoscopic therapy or transoral incisionless fundoplication cannot be recommended as an alternative to medical or traditional surgical therapy (Conditional recommendation, moderate level of evidence).37

Society of American Gastrointestinal and Endoscopic Surgeons

The Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) provided evidence-based guidelines on endoluminal treatments for GERD in 2013.38 SAGES gave a weak recommendation based on low-quality evidence for the EsophyX procedure, stating that long-term data are not yet available and that further studies are required to define optimal techniques and most appropriate patient selection criteria, and to further evaluate device and technique safety. SAGES gave a strong recommendation based on high-quality evidence that Stretta is considered appropriate therapy for patients being treated for GERD who are 18 years of age or older, who have had symptoms of heartburn, regurgitation, or both for 6 months or
more, who have been partially or completely responsive to antisecretory pharmacologic therapy, and who have declined laparoscopic fundoplication. The recommendation was unchanged for Stretta in 2017.

The 2017 SAGES Clinical Spotlight Review: Endoluminal Treatments for Gastroesophageal Reflux Disease (GERD) recommendation:

Based on existing evidence, TIF can be performed with an acceptable safety risk in appropriately selected patients. The procedure leads to better control of GERD symptoms compared with PPI treatment in the short term (6 months), but appears to lose effectiveness during longer term follow-up and is associated with moderate patient satisfaction scores. Objective GERD measures improve similarly after TIF 2.0 compared with PPI. No comparative, controlled trials exist between TIF and surgical fundoplication, but preliminary evidence suggests that the latter can be used safely after TIF failure. (Level of evidence ++++, strong recommendation)

**American Society of General Surgeons**

The American Society of General Surgeons (ASGS) issued a position statement on transoral fundoplication in 2011 stating that “ASGS supports the use of transoral fundoplication by trained General Surgeons for the treatment of symptomatic chronic gastroesophageal reflux disease (GERD) in patients who fail to achieve satisfactory response to a standard dose of Proton Pump Inhibitor (PPI) therapy or for those who wish to avoid the need for a lifetime of medication dependence.”

**American Gastroenterological Association**

The 2008 Medical Position Statement of the American Gastroenterological Association makes no recommendation for or against “the use of currently commercially available endoluminal antireflux procedures in the management of patients with an esophageal syndrome” based on insufficient evidence (Grade Insufficient).

In 2016, the American Gastroenterological Association issued a report entitled Technology Coverage Statement on Minimally Invasive Surgical Options for Gastroesophageal Reflux Disease stating they convened a multidisciplinary workgroup to develop a framework for selected services and procedures related to the diagnosis of GERD since their medical position statement on the management of GERD has not been updated since 2008. It concluded:
The three-year plus evidence is sufficient to demonstrate sustainable improvement in health outcomes, symptom relief, decrease in PPI utilization and improvement in esophageal pH with transoral fundoplication. The selection criteria for transoral fundoplication includes GERD patients with BMI ≤ 35, hiatal hernia ≤ 2 cm, esophagitis LA grade A or B, Barrett’s esophagus ≤ 2 cm, and absence of achalasia and esophageal ulcer. This option should be considered in patients not responding to PPI therapy (symptoms of regurgitation) who have documented objective evidence of GERD (pathologic acid exposure on pH testing (both off and on medication)) or esophagitis. Transoral fundoplication should be covered and reimbursed for appropriate patients who meet the selection criteria as described.

All available randomized controlled trials compared TIF 2.0 with medical treatment (PPI), but no study has compared it with surgical fundoplication.

**National Institute for Health and Care Excellence**

The National Institute for Health and Care Excellence (NICE) of the National Health Service of Great Britain issued updated interventional procedure guidance in 2013 on endoscopic radiofrequency treatment for GERD, concluding: “The evidence on the safety of endoscopic radiofrequency ablation for gastro-esophageal reflux disease is adequate in the short and medium term but there is uncertainty about longer term outcomes. With regard to efficacy, there is evidence of symptomatic relief but objective evidence on reduction of reflux is inconclusive. Therefore, this procedure should only be used with special arrangements for clinical governance, consent and audit or research.”

The reviewing committee noted “concern on the part of some specialists about the possibility that symptoms may improve as a result of denervation caused by the procedure; if that were the case then failure to recognize and treat reflux might lead to complications in the long term.”

NICE issued guidance in 2011 on endoluminal gastroplication for GERD, concluding that “The evidence on endoluminal gastroplication for gastroesophageal reflux disease raises no major safety concerns. Evidence from a number of RCTs [randomized controlled trials] shows a degree of efficacy in terms of reduced medication requirement in the short term, but changes in other efficacy outcomes are inconsistent, and there is no good evidence of sustained improvement in esophageal pH measurements. Therefore, this procedure should only be used with special arrangements for clinical governance, consent and audit or research.”

The 2004 Guidance from NICE on bulking agents for GERD found that “Current evidence on the safety and efficacy of endoscopic injection of bulking agents for gastro-esophageal reflux
disease does not appear adequate for this procedure to be used without special arrangements for consent and for audit or research.43

Medicare National Coverage

There is no national coverage determination (NCD). In the absence of an NCD, coverage decisions are left to the discretion of local Medicare carriers.

Regulatory Status

Esophyx® (EndoGastric Solutions, Redmond, WA) received 510(k) marketing clearance in 2007 for full-thickness plication. In 2016, Esophyx® Z Device with SerosaFus Fasteners was cleared for marketing (K160960) by the FDA through the 510(k) process for use in transoral tissue approximation, full thickness plication, ligation in the gastrointestinal tract, narrowing the gastroesophageal junction, and reduction of hiatal hernia of 2 cm or less in patients with symptomatic chronic gastroesophageal reflux disease (GERD).1 FDA code: ODE.

The Medigus SRS Endoscopic Stapling System (MUSE, Medigus Ltd) received marketing clearance in 2012 (K120299) and 2014 (K132151). MUSE is intended for endoscopic placement of surgical staples in the soft tissue of the esophagus and stomach to create anterior partial fundoplication for treatment of symptomatic chronic GERD in patients who require and respond to pharmacologic therapy. FDA product code: ODE.

The CSM Stretta® System received 510(k) marketing clearance from the FDA in 2000 for general use in the electrosurgical coagulation of tissue and is specifically intended for use in the treatment of GERD. Stretta® is currently manufactured by Mederi Therapeutics (Greenwich, CT). FDA product code: GEI.

Durasphere® is a bulking agent approved for treatment of urinary and fecal incontinence (see Related Policies). Use of this product for esophageal reflux would be considered off-label use. The website of Carbon Medical Technologies states that Durasphere GR is an investigational device in the United States “intended to treat problems associated with GERD.”

References

2. Blue Cross and Blue Shield Association Technology Evaluation Center. Transesophageal Endoscopic Treatments for Gastroesophageal Reflux Disease. TEC Assessment. 2003;Volume 18, Tab 20. PMID


### History

<table>
<thead>
<tr>
<th>Date</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>01/18/01</td>
<td>Add to Medicine Section - New Policy</td>
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<tr>
<td>01/08/02</td>
<td>Replace Policy - Updated with new references; policy statement expanded.</td>
</tr>
<tr>
<td>11/12/02</td>
<td>Replace Policy - Policy updated using 2002 TEC Assessment; policy statement unchanged.</td>
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<tr>
<td>05/13/03</td>
<td>Replace Policy - CPT codes updated.</td>
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<tr>
<td>01/01/04</td>
<td>Replace Policy - CPT code updates only.</td>
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<tr>
<td>05/11/04</td>
<td>Replace Policy - Policy updated with reference to 2003 Assessment; policy statement amended to include ENTERYX procedure as investigational. New CPT code added. Title changed.</td>
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<tr>
<td>07/13/04</td>
<td>Replace Policy - Policy updated with literature search; references added; policy statement unchanged.</td>
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<td>02/08/05</td>
<td>Replace Policy - Policy updated with new CPT category I code for Stretta added and category III code deletion; policy statement unchanged.</td>
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<td>03/22/06</td>
<td>Code update - HCPCs code removed only, no other changes.</td>
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<td>05/09/06</td>
<td>Replace Policy - Policy updated with literature and research; references added; policy statement enhanced</td>
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<td>06/16/06</td>
<td>Update Scope and Disclaimer - No other changes.</td>
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<tr>
<td>09/12/06</td>
<td>Replace Policy - Policy updated with information on Plicator procedure, which was incorporated into the benefit statement as an additional investigational treatment; Rationale updated; references added; no actual change in policy statement.</td>
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<td>10/9/07</td>
<td>Replace Policy - Policy updated with literature search through April 2007; policy statement unchanged. Another FDA-cleared device (StomaphyX) added to description. References added.</td>
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<tr>
<td>08/12/08</td>
<td>Replace Policy - Policy updated with literature search; no change to the policy statement. References and code added.</td>
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<td>Code Update - 0133T deleted no other changes.</td>
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<td>01/12/10</td>
<td>Cross Reference Update - No other changes.</td>
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<td>04/13/10</td>
<td>Minor update - No other changes.</td>
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<td>10/12/10</td>
<td>Replace Policy - Policy updated with literature review, reference numbers 41-52 added. No change in policy statements.</td>
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<tr>
<td>10/11/11</td>
<td>Replace Policy – Policy updated with literature review through May 2011; Rationale section revised; policy statements on biocompatible polymer and PMMA beads combined as bulking agents; remains investigational.</td>
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<td>02/14/12</td>
<td>Replace Policy – Clinical input reviewed; reference 3 added and references reordered; policy statements unchanged.</td>
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<td>08/27/12</td>
<td>Update Coding Section – ICD-10 codes are now effective 10/01/2014.</td>
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<tr>
<td>10/18/12</td>
<td>Update Related Policies – Add 7.01.137.</td>
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<tr>
<td>01/29/13</td>
<td>Replace policy. Policy updated with literature review through September 2012; references 15, 19, 26 and 29 added and references reordered; policy statements unchanged. Add Related Policy 2.01.58.</td>
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<td>08/15/13</td>
<td>Update Related Policies. Remove deleted policy 2.01.520 and add 2.01.20.</td>
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<tr>
<td>01/21/14</td>
<td>Replace policy. Policy updated with literature review through October 16, 2013; references added and reordered; policy statements unchanged. CPT coding updated; 43212 added to the policy and descriptors updated on others.ICD-9 diagnosis and ICD-10-CM codes removed; policy not adjudicated by diagnoses.</td>
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<td>08/18/14</td>
<td>Update Related Policies. Remove 2.01.20 and 2.01.81 as they were archived.</td>
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<td>12/03/14</td>
<td>Update Related Policies. Add 2.01.91.</td>
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<tr>
<td>04/24/15</td>
<td>Annual Review. Policy updated with literature review through October 8, 2014; clinical input reviewed; Rationale revised; references 8, 11, and 17 added and some references removed; NDO Plicator, EndoCinch, and Enteryx removed from policy because they are no longer available in the US. Remove ICD-9 and ICD-10 procedure codes; these are not utilized in policy adjudication.</td>
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<td>Annual Review, approved November 8, 2016. Policy updated with literature review through August 2016. References 5-11, 14,17,19,21,28,30 added. No change to policy statements.</td>
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<td>01/01/17</td>
<td>Coding update. Added CPT code 43210, removed 43200, 43212, 43232, and 43266.</td>
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**Disclaimer:** This medical policy is a guide in evaluating the medical necessity of a particular service or treatment. The Company adopts policies after careful review of published peer-reviewed scientific literature, national guidelines and local standards of practice. Since medical technology is constantly changing, the Company reserves the right to review and update policies as appropriate. Member contracts differ in their benefits. Always consult the member benefit booklet or contact a member service representative to determine coverage for a specific medical service or supply. CPT codes, descriptions and materials are copyrighted by the American Medical Association (AMA). ©2017 Premera All Rights Reserved.

**Scope:** Medical policies are systematically developed guidelines that serve as a resource for Company staff when determining coverage for specific medical procedures, drugs or devices. Coverage for medical services is subject to the limits and conditions of the member benefit plan. Members and their providers should consult the member benefit booklet or contact a customer service representative to determine whether there are any benefit limitations applicable to this service or supply. This medical policy does not apply to Medicare Advantage.
Discrimination is Against the Law

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  • Written information in other formats (large print, audio, accessible electronic formats, other formats)
• Provides free language services to people whose primary language is not English, such as:
  • Qualified interpreters
  • Information written in other languages

If you need these services, contact the Civil Rights Coordinator.

If you believe that Premera has failed to provide these services or discriminated in another way on the basis of race, color, national origin, age, disability, or sex, you can file a grievance with:
Civil Rights Coordinator - Complaints and Appeals
PO Box 91102, Seattle, WA 98111
Toll free 855-332-4535, Fax 425-918-5592, TTY 800-842-5357
Email AppealsDepartmentInquiries@Premera.com

You can file a grievance in person or by mail, fax, or email. If you need help filing a grievance, the Civil Rights Coordinator is available to help you.

You can also file a civil rights complaint with the U.S. Department of Health and Human Services, Office for Civil Rights, electronically through the Office for Civil Rights Complaint Portal, available at: https://ocrportal.hhs.gov/ocr/portal/lobby.jsf, or by mail or phone at:
U.S. Department of Health and Human Services
200 Independence Avenue SW, Room 509F, HHH Building
Washington, D.C. 20201, 1-800-368-1019, 800-537-7697 (TDD)
Complaint forms are available at:

Getting Help in Other Languages

This Notice has Important Information. This notice may have important information about your application or coverage through Premera Blue Cross. There may be key dates in this notice. You may need to take action by certain deadlines to keep your health coverage or help with costs. You have the right to get this information and help in your language at no cost.

Call 800-722-1471 (TTY: 800-842-5357).

Arabic (Amharic):
لا يكون التمييز ضد التمييز في تغطية أو خدمات الرعاية الصحية هو قانونية تعيين. قد يجوز إعداد المعلومات الخاصة بالحالة التي تتعارض مع الأحكام، أي تخصيص الأجزاء المحصورة في هذا الإشعار، إذا كان ذلك إجراءً اللائقًا إثر تكوين الحكم الفضائي على تعريف الحق في إعلان التمييز. تتمتع هذه المعلومات والخدمات بلغة أخرى إلى اللغة الإنجليزية، فإن ناثورًا نايدان ألدًا تدفق الرعايةرحمة معلومات الرعاية الصحية والخدمات للمواطنين الذين يختارون مثلاً اللغة الإنجليزية. اتصل 800-722-1471 (TTY: 800-842-5357) للحصول على معلومات عن التمييز.

中文 (Chinese):
本通知有重要的訊息。本通知可能有關於您透過 Premera Blue Cross 提交的申請或保険的重要訊息。本通知可能有重要日期，您可能需要在截止日期之前採取行動，以保留您的健康保險或費用補貼。您有權利免費以您的母語得到本訊息和幫助。請撥電話 800-722-1471 (TTY: 800-842-5357).

Oromo (Cushite):

Français (French):

Kreyòl ayisyen (Creole):

Deutsche (German):

Hmooj (Hmong):

Iloko (Ilocano):
Daytoy a Pakdaak ket naglaon iti Napateg nga Impormasion. Daytoy a pakdaak mabalin nga adda ket naglaon iti napateg nga impormasion maiyanggep iti aplikasyonyo weny coverage babaen iti Premera Blue Cross. Daytoy ket mabalin dagiti importante a pelta iti daytoy a pakdaak. Mabalin nga adda rumbang nga aramidens nga addag sakkay dagiti partikular a nialtung nga aldaw tapno mapagtalainedyo ti coverage ti salan-ayyo weny ulong kadagit gastos. Adda karbenganyo a mangala iti daytoy nga impormasion ken ulong ti bukodyo a pagasasao nga awan ti bayadayo. Tumawag ti numero nga 800-722-1471 (TTY: 800-842-5357).

Italiano (Italian):
Premera Blue Cross 800-722-1471 (TTY: 800-842-5357)