PRESCRIPTIVE INFORMATION



Ultraflex[™] Esophageal NG Covered/Uncovered Stent System

REFER TO THE DEVICE DIRECTIONS FOR USE FOR COMPLETE INSTRUCTIONS ON DEVICE USE. RX ONLY. CAUTION: FEDERAL LAW (USA) RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A PHYSICIAN.

Warning

The Ultraflex Esophageal NG Stent System is non-sterile and intended for single use only.

For single use only. Do not reuse, reprocess or sterilize. Reuse, reprocessing or sterilization may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness or death. Reuse, reprocessing or sterilization may also create a risk of contamination of the device and/or cause patient infection or cross-infection, including, but not limited to, the transmission of infectious disease(s) from one patient to another. Contamination of the device may lead to injury, illness or death of the patient.

After use, dispose of product and packaging in accordance with hospital, administrative and/or local government policy.

Precaution

Read the entire Directions for Use thoroughly before using the Ultraflex Esophageal NG Stent System. The Ultraflex Esophageal NG Stent System should only be used by or under the supervision of physicians thoroughly trained in esophageal prosthesis placement. A thorough understanding of the technical principles, clinical applications, and risks associated with this procedure is necessary before using this device. Recurrence or worsening of dysphagia may occur after stent placement due to tumor in-growth or overgrowth, severe hyperplasia reaction or stent migration. Repeat endoscopy may be required.

MR Conditional

Non-clinical testing has demonstrated that the Ultraflex Esophageal NG Stent is MR Conditional. The tested Ultraflex Stent represent the longest and largest in diameter. It can be scanned safely under the following conditions:

- Static magnetic field of 1.5 Tesla and 3.0 Tesla only
- Spatial gradient field of 25 T/m (2500 Gauss/cm) or less
- Normal operating mode only with a maximum whole body averaged specific absorption rate (WB-SAR) of 2.0 W/kg or less for 15 minutes of continuous scanning1
- Do not place a local transmit coil directly over the esophageal nitinol stent

Note: Sapareto et al indicate that it takes 15 sustained minutes at 45 °C to cause tissue damage. Sapareto et al. "Thermal Dose Determination in Cancer Therapy," *Int J Radiation Oncology Biol.* Phys. Vol. 10; 787-800.

The Ultraflex Esophageal NG Stent should not migrate in this MRI environment. MR imaging within these conditions may be performed immediately following the implantation of the stent. This stent has not been evaluated to determine if it is MR Conditional beyond these conditions.



The image artifact may extend up to approximately 12 mm from the device, both inside and outside the device lumen when scanned in nonclinical testing using the sequence: gradient echo with the object axis parallel to the main magnetic field in a 3 Tesla Signa™ HDx GE Medical Systems 14LX, 14.0_MS_0737.f MR system with a transmit/receive 400 mm long, 280 mm diameter head coil.

If possible, exclude the body area from radio frequency (RF) exposure where the stent is implanted with maximum continuous scan duration of 20 minutes. Measurement inaccuracies and additional safety margins should be taken into account. Before each individual MR procedure, it might be necessary to discuss the situation with regard to the patient benefit consulting medical experts and MR physicists.

Intended Use/Indications for Use

The Ultraflex Esophageal NG Stent System is intended for maintaining esophageal luminal patency in esophageal strictures caused by intrinsic and/or extrinsic malignant tumors only. The Ultraflex Esophageal NG Covered Stent System is also indicated for occlusion of concurrent esophageal fistula.

Contraindications

The Ultraflex Esophageal NG Stent System is contraindicated for:

- Placement for occlusion of esophageal fistula of any type, unless a covered stent is being used.
- Placement in esophageal strictures caused by benign tumors, as the long-term effects of the stent in the esophagus are unknown at this time.
- Placement in strictures that cannot be dilated enough to pass the endoscope or the delivery system.
- Placement of the stent's proximal end within 2 cm of the cricopharyngeal muscle.
- Placement in an esophago-jejunostomy (following gastrectomy), as peristalsis may displace stent.
- Placement in necrotic chronically bleeding tumors, if bleeding is active at the time of placement.
- Placement in polypoid lesions.
- · Those patients for whom endoscopic techniques are contraindicated.
- Any use other than those specifically outlined under indications for use.

Adverse Events

The following complications have been reported in the literature for esophageal prosthesis. These include, but are not necessarily limited to:

Procedural Complications

Bleeding

Perforation

Pain

Aspiration

- Oxygen desaturation related to sedation Infection

UltraflexTM Esophageal NG

Covered/Uncovered Stent System



Post-stent Placement Complications

- Bleeding
- Pain
- Tumor in-growth through stent
- Foreign body sensation
- Esophagitis
- Ulceration
- Fever
- Recurrent dysphagia

- Perforation
- Stent migration
- Tumor overgrowth around ends of stent
- Reflux
- Edema
- Infection and Septic shock
- Septicemia
- Stent Fracture
- Food bolus impaction (lavage and debridement may be necessary on a periodic basis)
- Fistula with trachea, bronchi, or pleural space (other than that due to normal disease progression)
- Death (other than that due to normal disease progression)
- Tracheal compression/Airway compression
- Aorto and arterioesophageal fistula
- Erosion or perforation of stent into adjacent vascular structures

Warnings

- The risk of perforation and erosion into adjacent vascular structures or aortoesophageal and arterioesophageal fistulas may be increased with pre- or post-operative chemoth erapy and radiation, longer implantation times, aberrant anatomy, and/or mediastinal contamination or inflammation.
- As perforation is a known risk, the stent should be used with caution and only after careful consideration in patients who are:
 - undergoing radiation therapy and/or chemotherapy
 - in advanced stages of cancer
- The Ultraflex[™] Esophageal NG Stent System should be used with caution and only after careful consideration in patients with:
 - strictures exceeding 12 cm in length
 - significant preexisting pulmonary or cardiac disease
- This device contains nickel, which may cause an allergic reactoin in individuals with nickel sensitivity.

Warning: Visually inspect the system for any sign of damage. DO NOT USE if the system has any visible signs of damage. Failure to observe this warning may result in patient injury.