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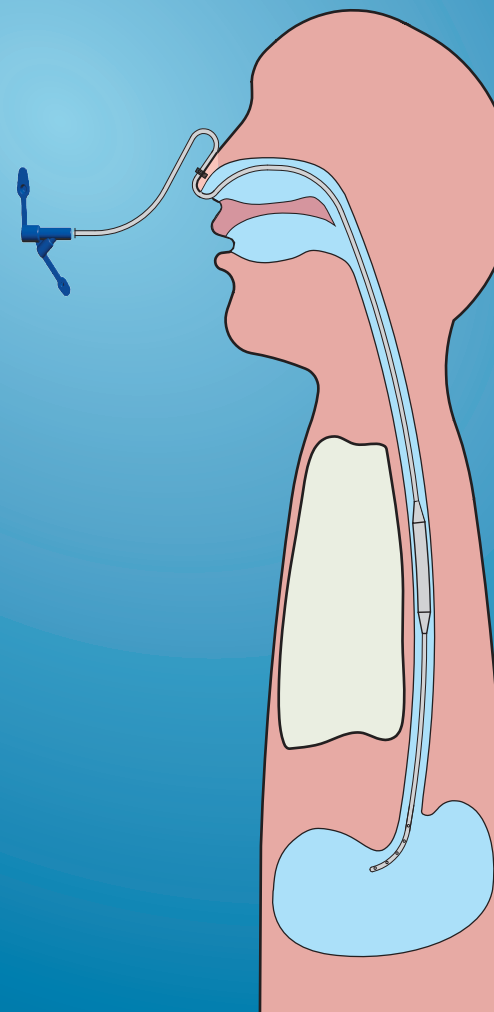
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dynamicTM
stent



Bambino Gesù
OSPEDALE PEDIATRICO

Esophageal stent for the **dynamic** treatment of benign esophageal stenosis



Sidam^{GROUP}
BIOMEDICAL SOLUTIONS



Esophageal stent for the **dynamic** treatment of benign esophageal stenosis

Applications

This device is intended to be used for the conservative **dynamic** treatment of benign esophageal stenosis. In particular, it is indicated for the treatment of esophageal stenosis due to caustic ingestion and surgically-induced esophageal stenosis. It is used to maintain a patent esophageal lumen after an adequate dilation has been obtained. This facilitates the esophageal peristalsis and hence the **dynamic** movement of the esophageal wall.

Advantages

Thanks to its unique design, once placed in the stenosis already dilated, the stent enables the transit of food and saliva through the circular chamber between the outer wall of the stent and the inner wall of the esophagus. Innovatively designed compared with other stents currently available which all apply a pressure on the esophageal wall, this device promotes a continuous motility of the esophagus including its dilated scarring portion.

Avoiding the compression of the esophageal wall, the OPBG **dynamic stent™** prevents the risk of disepithelization and mucosal overgrowth resulting in stent occlusion, as frequently observed with those stents compressing the esophageal wall. As shown in the figures, the stent is coaxially mounted on a nasogastric tube which is properly fixed to a nostril by means of an atraumatic flange. The nasogastric tube prevents the displacement of the stent yet enabling its mobility during swallowing and allowing patient movements.

If needed in an early stage, nasogastric part tube can be used to administrate nutritional solutions using standard, universal protocols. Esophageal stent for the treatment of benign esophageal stenosis

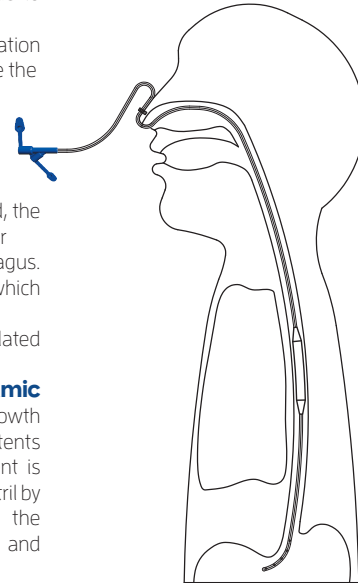
Product Description

As shown in the figures, the stent kit includes a 11Fr or 14Fr silicone nasogastric tube featuring a radiopaque line along its whole length and multiple adequately sized holes for delivering nutrition.

Its hemispherical distal, tapered end, is completely atraumatic. The device is equipped with a guide wire which allows stent positioning.

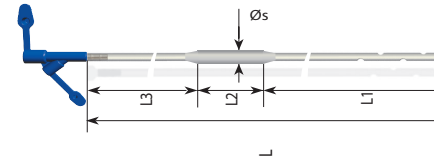
The stent is firmly secured to the nasogastric tube at a suitable distance from its distal end. Its special design ensures an adequate flexibility in order to avoid the risk of traumatic injuries of the esophageal wall.

Thanks to the radiopaque markers, it is possible to monitor the exact position of the stent with respect to the esophageal stenosis, both throughout the positioning procedure and during the permanence in situ of the stent



Range of models

In order to meet the needs of the pediatric patients population, a wide range of models is available as detailed in the table below:



Model	Øs	L1	L2	L3	L
S	8.5	200	60/100	500	760/800
M	10.5	200	60/100/150/200	500	760/800/850/900
L	12	300	60/100/150/300	500	860/900/950/1100

Instructions for patients

In order to promote the esophageal peristalsis and optimize the stent function, it is essential to instruct patients to gradually take soft and voluminous foods, which do not cause traumatic injuries to the esophageal walls.

Contraindications

The device must not be applied whenever an esophageal perforation is endoscopically detected after the esophageal dilation.

Instructions for use and positioning procedure

Refer to the instruction sheet included in the package of the product.

Stent removal

The stent must be removed through the oral cavity, always under deep sedation.

Ordering information

Item no.	Model	St. diameter	L1	L2	L3	L
09012030	S	8.5	200	60	500	760
09012031	S	8.5	200	100	500	800
09012032	M	10.5	200	60	500	760
09012033	M	10.5	200	100	500	800
09012034	M	10.5	200	150	500	850
09012035	M	10.5	200	200	500	900
09012036	L	12	300	60	500	860
09012037	L	12	300	100	500	900
09012038	L	12	300	150	500	950
09012039	L	12	300	300	500	1100