

Individually adaptable solution for hiatus hernias

SERAMESH® PA DRUM

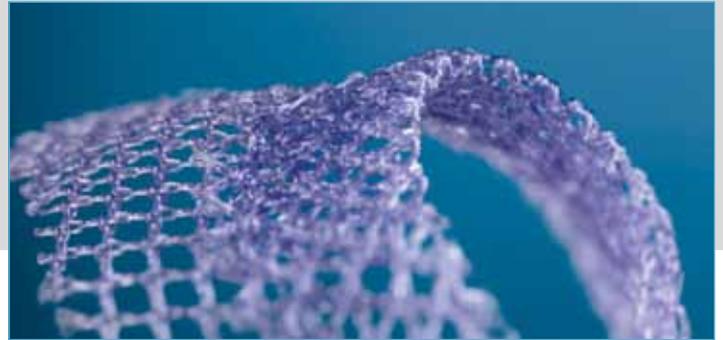
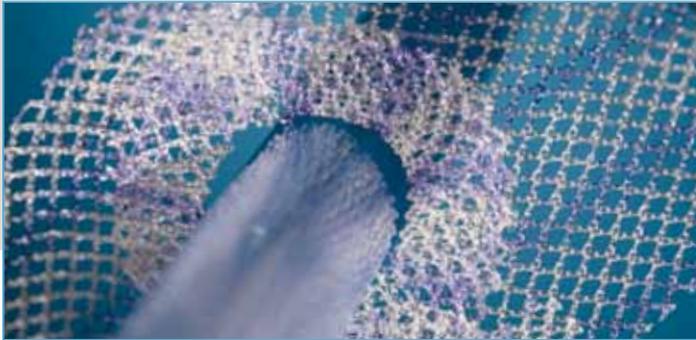
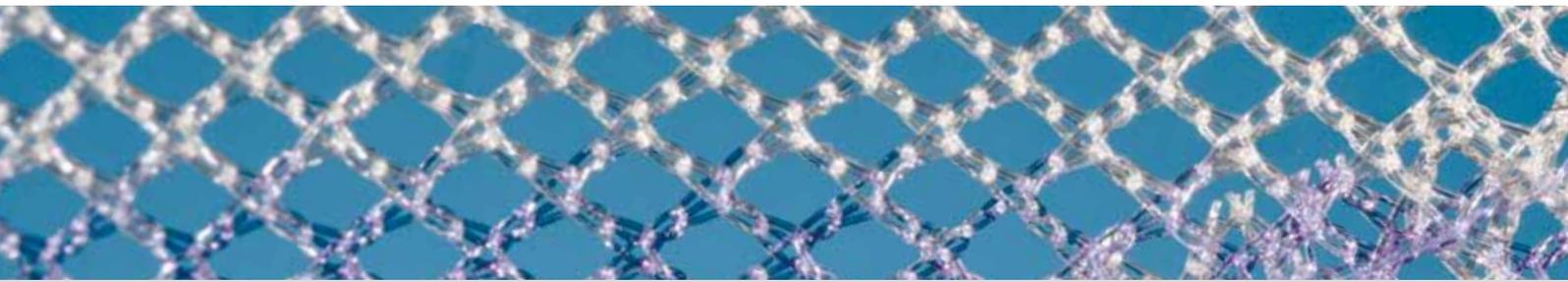
Textile
implants



two-component
implant

high stability and
flexibility





Advantages

available in 2 sizes

safe handling

multilayer reinforcement around the cut-out for the oesophagus

partially absorbable

individually adaptable

no suturing required (fixed with tissue glue)

In close cooperation with Dr Bernhard Drummer (Forchheim Hospital), SERAG-WIESSNER has developed the SERAMESH® PA DRUM mesh implant.

It is intended for the surgical treatment of hiatus hernias and can be adapted to the individual anatomy in a flexible manner. Thanks to good fixation with fibrin sealant or histoacryl adhesive, the implant has no need of sutures.

Two components for individual adaptation

The laparoscopic intervention narrows the overly wide opening between the two crura of the diaphragm with appropriately placed sutures. In order to strengthen the muscle tissue, the two separate components of the SERAMESH® PA DRUM implant are placed around the circumference of the new hiatus. The pliable mesh consists of two parts, each with a semicircular cut-out. The two components can be placed inside the body one after the other and the cut-outs separately made narrower or wider around the oesophagus.

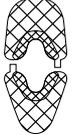
Strong but gentle

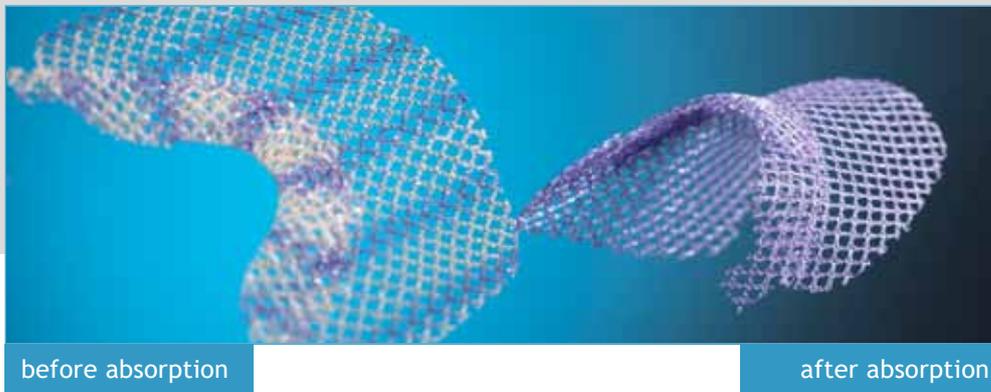
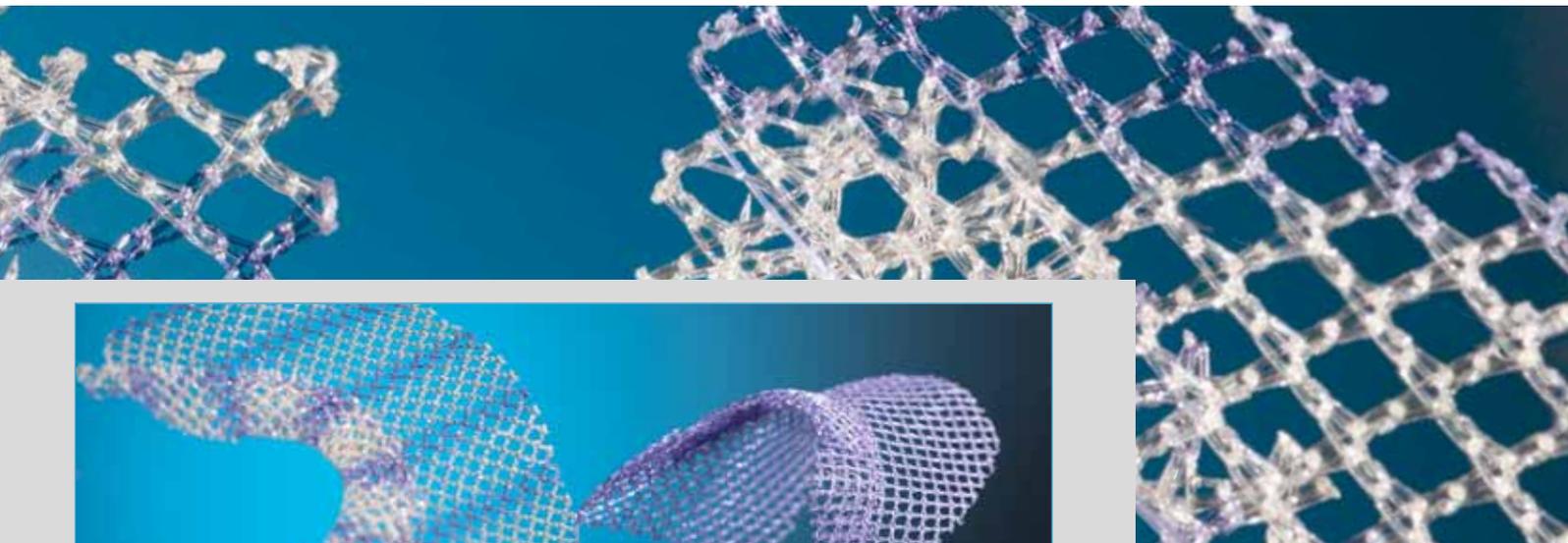
The semicircular cut-outs of the two mesh components have reinforced edges. The area where the greatest stability is needed is therefore supported not only by one, but by three layers of mesh. At the same time, the braiding technique envelops the edges of the mesh so that no hard or rigid thread ends protrude into this sensitive area.

Sustained reinforcement

SERAMESH® PA DRUM is a partially absorbable mesh, with an initial weight per unit area of about 85 g/m², which falls to approx. 28 g/m² once absorption is complete. In this way, the initial mesh augmentation is sufficiently firm but only about 1/3 of the original material remains in the body after 90 - 120 days. This partial absorption does not, however, change the structure of the mesh: the mesh remains supple and sufficiently strong to stabilise the defect.

SERAMESH® PA DRUM partially absorbable

Symbol		
Package units	3	3
Pore size	~ 2 x 3 mm	~ 2 x 3 mm
Dimensions	6 x 5 cm + 6 x 5 cm	6 x 6 cm + 6 x 6 cm
Product number	SN323	SN324



Well-thought-out details

The mesh has two sides - a rough and a smooth. The rough side should be placed against the diaphragm, as the experience of the developers has shown that this side adheres better/more easily. So that the rough side can be recognised easily during the operation, the two mesh components have been furnished with small square projections. If the two meshes are positioned as shown in the diagrams, the rough side automatically comes to rest against the diaphragm.

Easy handling

After closure of the hiatus with sutures, the V-shaped mesh component is inserted behind the oesophagus (see diagram) with the orientation projection pointing upwards to the left (anatomically speaking, the right). Thanks to its hydrophilic surface, the mesh already adheres well to the diaphragm by itself, and it is fixed in place with tissue glue. The U-shaped implant is then brought into position in front of

the oesophagus (see diagram) with the orientation projection pointing downwards to the right (anatomically speaking, the left). The two parts of the mesh overlap. The U-shaped component is also glued into place.

The pore size and the nature of its surface give SERAMESH® PA DRUM exceptional adhesive properties, so that no additional suturing is required.

Safety and security for the patient

SERAMESH® PA DRUM reinforces the tissue at the very place where it is necessary. It is available in two sizes so that all common defects - even intra-thoracic stomachs - can be treated safely and securely.



For more information and videos of the surgical procedure, please visit our website: www.serag-wiessner.de/produkte/textile-implantate/seramesh-pa-drum/



A mattress suture is used to reconstruct the oesophageal hiatus.



The V-shaped mesh implant is placed behind the oesophagus (retro-oesophageal) first. The U-shaped component is then positioned in front of the oesophagus (ante-oesophageal).



The SERAMESH® PA DRUM is adjusted to fit the oesophagus and fixed in place with tissue glue.



In cooperation with:

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