Biomaterials® Straumann®
Because one option is not enough.

botiss Jason® membrane
NATIVE COLLAGEN MEMBRANE FROM PORCINE PERICARDIUM
Jason® membrane

The Jason® membrane is a native collagen membrane obtained from porcine pericardium, developed and manufactured for dental tissue regeneration. The advantageous biomechanical and biologic properties of the natural pericardium are preserved during the production process.

After seven years of intensive clinical use, the Jason® membrane has proven to provide the required outcome, especially in larger augmented areas. In my experience, this combination with a slowly resorbable bone graft material provides ideal volume maintenance and bone formation up to the outline of the graft.

FEATURES AND BENEFITS

<table>
<thead>
<tr>
<th>Native 3D collagen structure preserved during the production process</th>
<th>High tensile strength due to the biomechanical properties of the pericardium. Allows a wide range of fixation methods, including pinning and suturing, despite the low thickness of only ~0.15 mm.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slow degradation time due to the natural honeycomb-like and multi-layered collagen structure with an increased content of collagen type III</td>
<td>Resulting in a prolonged barrier function; making the membrane the recommended choice particularly for large augmentative procedures.</td>
</tr>
<tr>
<td>Low thickness of only 0.1-0.25 mm</td>
<td>Facilitates soft tissue manipulation, particularly in challenging thin biotypes.</td>
</tr>
<tr>
<td>Easy application and handling</td>
<td>Can be cut to shape and size in dry or wet conditions. Does not stick to itself. Can be easily repositioned, if needed. Exceptional adaptability to surface contour after rehydration.</td>
</tr>
</tbody>
</table>
PROPERTIES

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Origin</td>
<td>Porcine pericardium</td>
</tr>
<tr>
<td>Composition</td>
<td>Native collagen type I and III</td>
</tr>
<tr>
<td>Structure</td>
<td>Natural 3D porous collagen structure easily drapable both sides</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.1-0.25 mm (~0.15 mm)</td>
</tr>
<tr>
<td>Fixation</td>
<td>Generally not required due to good surface adaptation, but possible (pinning, suturing, screwing)</td>
</tr>
<tr>
<td>Degradation time</td>
<td>Slow degradation with prolonged barrier function</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>Room temperature (&lt; 30°C)</td>
</tr>
<tr>
<td>Shelf life</td>
<td>3 years</td>
</tr>
</tbody>
</table>

APPLICATION AND HANDLING

Rehydration
The Jason® membrane can be applied dry or rehydrated in sterile saline solution or blood. The initial placement of the dry membrane with subsequent application of the graft material is particularly advantageous for lateral augmentation of defects outside the ridge contour. After rehydration the Jason® membrane exhibits an exceptional adaptability to surface contours and as it is not sticky the membrane can easily be repositioned, if required.

Placement
One side of the Jason® membrane is slightly smoother and marked with “G” at the top right corner. This side is meant to be placed towards the gingiva or soft tissue. The slightly rougher side of the Jason® membrane should face the bone. However, there is no problem if the membrane is placed the other way around. The clinical effect, if present, will be minimal, mainly due to the long-term barrier function of the Jason® membrane. The Jason® membrane should be cut and placed to overlap the defect walls by at least 2-3 mm. This way, the membrane is in close contact with the bone, and lateral ingrowth of gingival connective tissue can be prevented.

Fixation
The Jason® membrane exhibits a remarkable multi-directional tear resistance. Therefore, it can easily be pinned, sutured or even screwed without rupturing. But the excellent adhesion of the membrane to the bony walls makes additional fixation unnecessary in most cases.

Exposure
Exposure of the Jason® membrane should be avoided, since fast bacterial resorption significantly reduces the barrier function of the thin membrane. In case of dehiscence, the wound usually heals without complications by formation of free granulation tissue.

Shaping
The Jason® membrane can be cut to the desired shape and size with a pair of scissors – while maintaining sterility. It may be helpful to use appropriate templates for defining the required size of the membrane.

Recommended for
The Jason® membrane is recommended for implantology, periodontology, oral and craniomaxillofacial (CMF) surgery:
- Fenestration defects
- Socket and ridge preservation
- Horizontal and vertical augmentation
- Alveolar ridge reconstruction
- Intrarossedous defects (1-3 walls) and furcation defects (class I and II)
- Implant dehiscence
- Sinus lift
- Covering and protection of the Schneiderian membrane

Available in the following sizes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>BO-681520</td>
<td>15 × 20 mm</td>
<td>botiss Jason® membrane</td>
</tr>
<tr>
<td>BO-682030</td>
<td>20 × 30 mm</td>
<td>botiss Jason® membrane</td>
</tr>
<tr>
<td>BO-683040</td>
<td>30 × 40 mm</td>
<td>botiss Jason® membrane</td>
</tr>
</tbody>
</table>

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