

REGENERATIVE SOLUTIONS

JASON[®] MEMBRANE

Mastering performance.



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 biological properties of the natural pericardium are preserved during the production process.

"After 15 years of extensive clinical use, Jason® pericardium membrane has proven to provide a superior outcome, especially in large augmented areas. When used in combination with slowly resorbing bone grafting materials, its extended barrier function provides an ideal volume maintenance and bone formation, and makes the relatively expensive double layer technique avoidable. The Jason® membrane is easy to handle and can be tacked to stabilize the graft material on the recipient site."



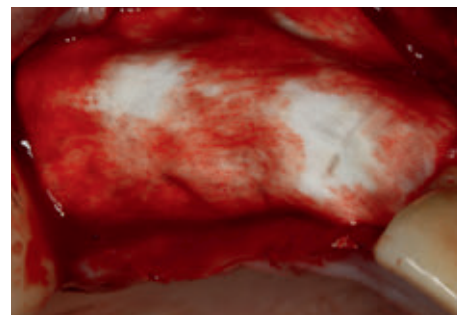
Prof. Dr. med. Dr. med. dent. Daniel Rothamel, Head of Department, Oral and Maxillofacial Plastic Surgery, Johanniter Hospital Bethesda Mönchengladbach/Germany

FEATURES AND BENEFITS

| | |
|---|--|
| Native multilayered collagen structure preserved during the production process | High tensile strength due to the biomechanical properties of the pericardium. Allows for a wide range of fixation methods, including pinning and suturing, despite the low thickness of only ~ 0.15 mm.  |
| Slow degradation time due to the natural honeycomb-like and multi-layered collagen structure. | The resulting prolonged barrier function makes the membrane the recommended choice particularly for large augmentative procedures. |
| Low thickness of only 0.15 mm | Facilitates soft tissue manipulation, particularly in challenging thin biotypes.  |
| Easy handling and application | Can be cut to shape and size in dry or wet conditions. Does not stick to itself or to instruments. Therefore, it can be easily repositioned if needed. Exceptional adaptability to surface contour after rehydration.  |

PROPERTIES

| Attribute | Description |
|---------------------|---|
| Origin | Porcine pericardium |
| Composition | Native collagen type I and III |
| Structure | Natural multilayered collagen structure, not side-specific |
| Thickness | 0.05–0.35 mm (~ 0.15 mm) |
| Fixation | Generally not required due to good surface adaptation, but possible (pinning, suturing, screwing) |
| Degradation time | Slow degradation with prolonged barrier function (>12 weeks) |
| Storage temperature | Room temperature (< 30 °C) |
| Shelf life | 3 years |



Courtesy of Prof. Dr. Dr. Daniel Rothamel, Mönchengladbach/Germany

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. Since it is not sticky, it can be easily 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

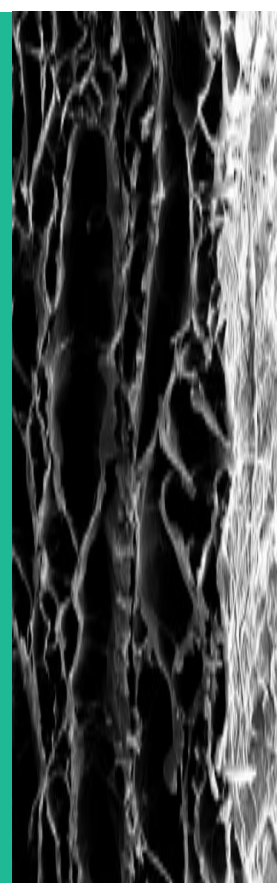
The Jason® membrane exhibits a remarkable multi-directional tear resistance. Therefore, it can easily be pinned, sutured or even screwed without rupturing. But the excellent adhesion of the membrane to the bony walls makes additional fixation unnecessary in most cases.

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 a 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

Jason® membrane alone or in combination with suitable augmentation materials (like autogenous bone or other bone substitute materials) is indicated for guided bone and tissue regeneration with simultaneous or later implantation:

- Sinus floor augmentation and covering / support of the Schneiderian membrane
- Alveolar ridge augmentation / reconstruction
- Treatment of surgical bone defects, bone wall defects and for defects around bone grafts and dental implants
- Treatment of periodontal bone defects (one to three-wall defects, class I and II furcation defects)
- Filling of extraction sockets for immediate or delayed implantation (socket preservation)

JASON® MEMBRANE MASTERING PERFORMANCE.

Jason® membrane is available in the following sizes:

| Code | Description | Product |
|-----------|-------------|-----------------|
| BO-681520 | 15 × 20 mm | Jason® membrane |
| BO-682030 | 20 × 30 mm | |
| BO-683040 | 30 × 40 mm | |



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