

Collagen Membrane

Pericardium Collagen Membrane

Instructions for use Gebrauchsinformation Mode d'emploi Istruzioni per l'uso Instrucciones para el uso

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Collagen Membrane

Intended Use and Properties

Collagen Membrane is a completely resorbable collagen membrane to be used in stomatology and maxillo-facial surgery, implantology, periodontology, oral surgery and endodontology to support guided tissue and bone regeneration, for covering implants and for periodontal tissue regeneration.

Salgely and incloudingly a support good association to regulate the controlled purification process. The pericardium is extracted from veterinarily controlled purification process. The pericardium is extracted from veterinarily controlled pigs, carefully purified, degreased, lyophilized and sterilized by ethylene oxide gas treatment.

Collager Membrane will be completely scaled with blood, while its structure and stability are maintained. Therefore a tight and form-fit adaptation to the bone is guaranteed. If necessary, a fixation with resorbable suture material or with nails or pins is possible.

When it is dry, Collagen Membrane is a white, tight and tear-proof collagen matrix, with a very dense fibre structure, individual elastic fibres run between the fibrils of type 1 collagen fibres. When it gets wet, Collagen Membrane can become translucent. The dense layer of fibres slows down the ingrowth of gingival fibroblasts thus encouraging the proliferation of bone-forming cells. Nutritive substances can penetrate through Collagen Membrane.

Collagen Membrane is usually completely resorbed within 12 weeks after implantation. Therefore, there is no need to remove the membrane in a second surgical intervention.

The low antigenicity of Collagen Membrane, its excellent biocompatibility and the extreme tensile strength allow for a safe and simple use in stomatology and maxillo-facial surgery, implantology, periodontology, oral surgery and endodontology

Composition and Package Sizes of Collagen Membrane

- 10 cm² of Collagen Membrane contains: 30 40 mg collagen type I
- The following sizes are available:
- 15 x 20 mm
 30 x 40 mm
- 20 x 30 mm
- Collagen Membrane is sterilized by gassing with ethylene oxide and supplied in a double sterile packaging

5 – 10 mg ultra pure water

Collagen Membrane alone or in combination with suitable augmentation materials (like autogenous bone, allogeneic, xenogeneic or alloplastic bone Colleger (Wenthalter)

replacement materials) is indicated for immediate or delayed guided tissue and bone regeneration.

in case of surgical bone defects and bone wall defects

- in the context of sinus floor augmentation and for support of the Schneiderian membrane
 in the context of maxillary ridge augmentation
- · in the context of maxillary ridge reconstruction for prosthetic treatment
- in the context of a treatment of fenestration defects
- in case of periodontal bone defects (one to three-wall defects, class I and II furcation defects) · in case of dehiscence defects
- after apicectomy, cystectomy, resection of retained teeth and resection of other bone lesions . in extraction sockets after tooth extractions
- in case of immediate or delayed augmentation around implants in extraction sockets

Contraindications

Collagen Membrane must not be used for patients suffering from

- · acute infections in the oral cavity or acute or chronic inflammation at the implantation site
- general diseases, where measures of stomatology, maxillo-facial surgery, implantology, periodontology, endodontology or other measures of oral surgery must not be performed.
- · known hypersensitivity to porcine collage

Use During Pregnancy and Lactation

There are no studies concerning the use of Collagen Membrane during pregnancy and lactation and about its influence on human fertility. During pregnancy and lactation the surgeon should weigh the benefit for the mother against the potential risk to the child before using Collagen Membrane.

Application for Children and Elderly Patients

There is no indication that special precautions are necessary relating to the age of the patients

Further Instructions for Use

Collagen Membrane should only be used by physicians who are familiar with the techniques of guided bone and tissue regeneration on the basis of a pertinent qualification

Collagen Membrane is of natural origin. Therefore, the collagen structure can be slightly wavy, and the membrane thickness may vary slightly in the dry material. These phenomena do not affect the quality or functionality of Collagen Membrane.

material, triese presonema or not arrect time quarry or individuality or concept internations. Collagen Membrane has a bi-layer structure. The smooth side with the tighter structure is marked "G" at the edge and should lie towards the ginginal or soft tissue side. The rougher side of Collagen Membrane should point to the bone.

Collagen Membrane can be out with a pair of scissors - maintaining sterility- to the required shape and size of the defect to be treated in dry and, if required, also in wet state. It may be helpful to use appropriate templates for defining the required surface of Collagen Membrane. Collagen Membrane should overlage the defect walls by at least 2 - 3 mm. In this way, Collagen Membrane is closely attached to the bone, and a lateral ingrowth of ginglival connective tissue can be prevented.

For the use of Collagen Membrane, the general principles of sterile working and of patient medication must be followed.

- After the exposure of the defect, the necessary surgery is performed.
 The resulting bone defect is then filled, with suitable augmentation material (like autogenous bone, allogeneic, xenogeneic or alloplastic bone
- The Testing Durie Delect is their nieur, which studies the design of the properties of the studies of the stud
- Collagen Membrane can be cut to size with a pair of scissors maintaining sterility. Collagen Membrane should overlap the defect walls by at least 2 3
- Collagen Membrane is placed over the defect and slightly pressed down to hold it in place. The time for pressing it down depends on the extent of the
 bleeding. The adhesion to the bone surface results from the welling up and gelling of the collagen fibres in contact with blood. Collagen Membrane
 can be applied in dry and wet state. Should you prefer the wet use of the membrane, the membrane must be rehydrated in sterile saline before the
- expressions.
 The complete soaking of Collegen Membrane with blood and exudates allows for a perfect adaptation and adhesion to the defect structure or the augmentate and for the creation of a blood coagulum under the membrane.

- Due to its good tensile strength, Collagen Membrane can be sultured with resorbable sulture material and with a non-cutting needle, or it can be fixed to the bone or the neck of the tooth with nails or pins. A fixation of Collagen Membrane may be necessary to avoid its displacement due to strain or mobilisation, and to prevent the shifting of the augmentation material used,
- For wound closure the mucoperiosteal flap is repositioned over the membrane tightly and without tension, and sutured. Collegen Membrane should be completely covered by the mucoperiosteal flap to prevent any accelerated resorption due to exposure.
- After surgery, the patient should perform oral hygiene according to the doctor's instructions

Special Instructions Concerning the Use in Periodontology

- PECIAI INSTRUCTIONS CONCERTING THE USE IN PERTOCONTROLOGY

 The basis for a successful periodontal treatment is the control of bacterial infection by means of debridement (removal of the granulation tissue, subginginal curetage, scaling, smoothing of the tooth roots etc.), an antibiotics therapy, if necessary, and by a sufficient oral hygiene of the patient according to the instructions of the attending dentist. Please note that as little soft tissue as possible should be removed to guarantee the best possible wound closure. The surgery should be preceded by a hygiene phase with an instruction of the patient and another evaluation of the clinical situation by the dentist. To ensure long-term success of the therapy, a post-operative conservation phase with pertinent patient instructions by the dentist should
- To avoid the formation of a crevicular epithelium effectively, Collagen Membrane must be modelled closely to the tooth or the neck of the tooth, and be fixated by suture material, nails or pins, if necessary.

The quantity of Collagen Membrane needed depends on the individual anatomic conditions and the applied implant, if any.

The Quality of Congent mentional in record depends of the Collagen Membrane is applied on the bone defect in the required size, the defect walls should be overlapped by 2 – 3 mm. Collagen Membrane can be cut to size with a pair of soissors. Suitable sterile templates can be helpful to define the required size.

- Rare cases of allergic reactions to the collagen membrane cannot be ruled out.
- In extremely rare cases intolerance symptoms against collagen might occur.
 In rare cases the tissue might react with an inflammation due to a prolonged resorption.
- In rare cases the ussue might react with an inhammation due to a prolonged resorption.
 As with every exagenous material, existing infections tip be intensified by the implantation of Collagen Membrane.
 Possible general complications might be caused by the surgical intervention itself, such as a recession of the gingliva, heavy gum bleeding, swelling of the soft tissue, temperature sensitivity, desquamation of the ginglival epithelium in the area of the flap, a resorption or ankylosis of the treated dental root, a minor loss of creatal bone height, infections, pain or complications due to the use of anaesthetics.

Interactions with Other Medicinal Products and methods

The effectiveness of Collagen Membrane can be reduced by aggregation inhibitors and anticoagulants, since they might impair the creation of the blood coagulum under the membrane.

No interactions in magnetic resonance imaging are known, neither are they to be expected in view of the biochemical composition of the Collagen

Warnings, Precautionary Measures

- Collagen Membrane is elastic and aitheres to the bone. For space maintenance and to encourage the regeneration of bone, Collagen Membrane can be
 used with other suitable aucomentation materials (like autogenous bone, allogeneic, xenogeneic or alloplastic bone replacement materials).
- An exposure of Collagen Membrane during the healing phase might shorten the resorption time.
- Collagen Membrane is only indicated for the applications listed above. The membrane has not been clinically examined for patients with extremely severe surgical, implantological, endodontological or periodontal defects
 Patients must be informed about possible contraindications, adverse reactions and precautionary measures according to the attending physician's responsibility. In case of any post-operative problems such as pain, infections or other unusual symptoms, the patient should turn to a dentist
- Patients with severe general diseases (such as a poorly stabilized pancreatic diabetes, severe hypertension, severe peripheral artery occlusive disease (PAOD), caronoma or autoimmune diseases) or patients who have to undergo a long-term steroid treatment or anticoagulative therapy, must be treated with special care - as in all surgical treatment.

Collagen Membrane must be stored at temperatures below 30° C. Collagen Membrane must not be used after the expiry date

Shelf Life / Sterility

The use-by date is printed on the folding box and on the sterile inner packaging. Collagen Membrane must not be used after the expiry date. Collagen Membrane is startle (if the packaging is unperied and underranged. Should the packaging is damaged, Collagen Membrane must not be used. The contents of unused, yet opened or damaged, packets must not be resterilized and should therefore be discarded.

For further information, please contact your supplier or the manufacturer directly

Information Update

Symbols



3 Do not resterilize 涨 Keep away from sunlight 2 Not for reuse Use by Maximum storage temperature 30 °C Manufacturer

R Registered trademark Do not use if package is damaged

Responsible manufacturer

als GmbH, Lagerstr. 11-15, 64807 Dieburg, Germany

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Collagen Membrane

Zweckbestimmung und Eigenschaften

Collagen Membrane ist eine vollständig resorbierbare Kollagenmembran zum Einsatz in der Mund-, Kiefer- und Gesichtschirurgie, Implanto Parodontologie, Oralchirurgie und Endodontie zur Unterstützung der gesteuerten Knochen- und Geweberegeneration, Implantatabdeckung und

Collagen Membrane wird in einem standardisierten, kontrollierten Reinigungsprozess aus Schweineperlkard hergestellt. Das Perikard wird von tierärztlich

Collagen Membrane wird in einem standardisteller, fundireiten hennigingsvess aus schriebensche der Schweinen gewonnen, sorgfältig gereinigt, entfettet, hypphilisiert und mittels Ethylenoxidobegasung sterillisiert.
Collagen Membrane wird von Blut, unter Erhältung der Struktur und Stabilität vollständig durchfeuchtet. Somit ist eine dichte und formschlüssige Anpassung an die Knochenwandung gewährleistet. Eine Fixierung mit resorbierbarem Nahtmaterial oder Nägeln bzw. Pins ist bei Bedarf möglich.

Collagen Membrane ist im trockenen Zustand eine weiße, dichte und reißleste Kollagenmatrix, die sich durch eine dichte Faserstruktur auszeichnet. Zwischen Füntlen aus Kollagen Typ I vertaufen einzelne elastische Fasem. In feuchtem Zustand kann Collagen Membrane transluzent werden. Die dichte Faserschicht verzögert das Einwachsen von gingivialen Fibroblasten und begünstigt dadurch die Proliferation von knochenbildenden Zellen. Wichtige Nährstoffe Können durch Collagen Membrane penetheren.

Collagen Membrane wird in der Regel Innerhalb von 12 Wochen nach Implantation vollständig resorbiert. Damit entfällt die Notwendigkeit, die Membrane in einem zweiten chirurgischen Eingriff wieder entfernen zu müssen.

Die geringe Antigenität und hervorragende Biokompatibilität sowie die hohe Relöfestigkeit von Collagen Membrane erlauben die sichere und einfache Handhabung beim Einsatz in der Mund-, Kiefer- und Gesichtschirungie, Implantologie, Parodontologie, Oralchirungie und Endodontie.

Zusammensetzung und Packungsgröße von Collagen Membrane

10 cm² Collagen Membrane enthalten: • 30 - 40 mg Kollagen Typ I

- Es werden folgende Größen angeboten:
- 5 10 mg Reinstwasse
- 20 x 30 mm
- Collagen Membrane wird mittels Ethylenoxidbegasung sterilisiert und in einer doppelt sterilen Verpackung bereitgestellt.

Collagen Membrane ist allein oder in Kombination mit geeigneten Augmenfierungsmaterialien (z. B. autogener Knochen, allogene, xenogene oder alloplastische Knochenersatzmaterialien) indiziert für die sofortige oder verzögerte gesteuerte Gewebe- und Knochenregeneration

- bei chirurgischen Knochendefekten und Knochenwanddefekten
- Im Rahmen einer Sinusbodenaugmentation und zur Unterstützung der Schneiderschen Membrane
 im Rahmen einer Kieferkammaugmentation
- Im Rahmen einer Kieferkammrekonstruktion für die prothetische Versordung
- im Rahmen der Behandlung von Fenestrationsdefekten bei parodontalen Knochendefekten (ein- bis dreiwandige Defekte, Furkationsdefekte Klasse I, II)
- nach Wurzelspitzenresektion, Zystenentfernung, Entfernung retinierter Z\u00e4hne und Resektion sonstiger Knochensch\u00e4den