

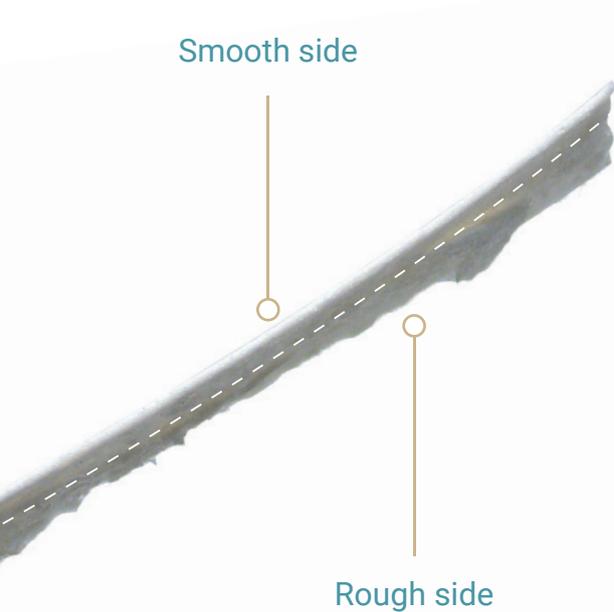


collygen gur

COLLAGEN MEMBRANE FOR AMIC TECHNIQUE

Collygen GCR is a resorbable membrane made of highly purified, equine-derived type I atelocollagen, indicated for the treatment of focal articular cartilage defects (Guided Cartilage Regeneration).

DUAL SIDE MEMBRANE



Collygen GCR is a **biological barrier** that retains, stabilizes, and structures the clot induced by AMIC (Autologous Matrix-Induced Chondrogenesis) technique.

Collygen GCR has a smooth and a **rough side**; the latter is characterized by less compact fibers with increased surface area and three-dimensional structure that enhances cellular interactions and healing processes occurring in the defect. Once the rough side is placed in direct contact with the subchondral bone, following microfractures, Collygen provides stability and support to the **superclot** induced by **bone marrow stimulation**, preventing the intrarticular dispersion of cells and growth factors.

MAIN CHARACTERISTICS

✓ **Totally safe and biocompatible**

✓ **Easy to apply, even arthroscopically**

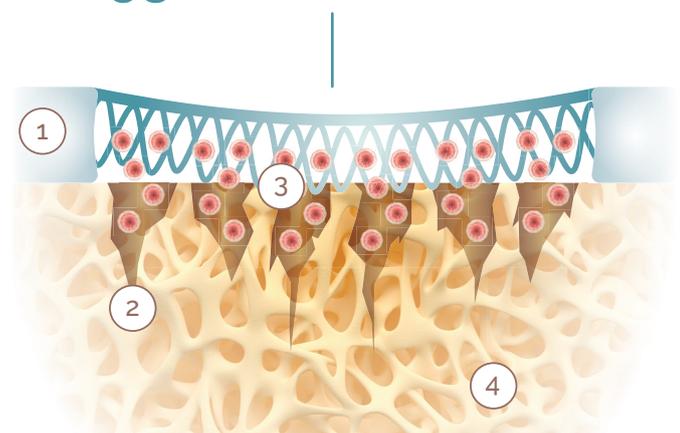
✓ **Completely resorbable**

✓ **Promotes cartilage repair**

AMIC TECHNIQUE

The AMIC technique was introduced in 2003 to treat focal cartilage defects. The first step consists in performing microfractures (or, as more recently introduced, nanofractures) in the subchondral bone underlying the defect to allow for bone marrow stimulation, i.e., controlled bleeding for the release of bone marrow progenitor cells. To retain and stabilize the induced superclot, a membrane is applied by securing it with fibrin glue or sutures. This procedure creates a biological chamber rich in cells and growth factors useful for cartilage regeneration; the additional protection offered by the membrane prevents intra-articular bleeding, guiding tissue remodeling toward a functional fibro-cartilage structure.

Collygen GCR membrane



- | | | | |
|---|----------------|---|-----------------------|
| 1 | Cartilage | 3 | Mesenchymal Stem Cell |
| 2 | Microfractures | 4 | Subchondral bone |

INDICATIONS

The AMIC technique with the use of COLLYGEN GCR membrane is indicated for:



Traumatic or degenerative cartilage focal defects



Grade III-IV chondral or osteochondral lesions (Outerbridge classification)



Defect size ≥ 1 and ≤ 8 cm²



Patient age ≥ 18 and ≤ 60 years



HOW TO USE COLLYGEN GCR MEMBRANE

- Arthroscopic lavage and cleanse of cartilage surfaces and defect/s
- Execution of micro- or nano fractures in the focal defect/s
- Water removal and CO₂ insufflation into the joint
- Resize the membrane if necessary – careful: don't pre-hydrate it
- Membrane insertion and application
- Fibrin glue fixation on membrane edges

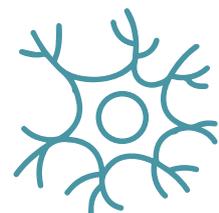
COLLYGEN GCR ADVANTAGES



Protects the injury area and immediately reduces post-operative pain



Stabilizes the superclot induced by bone marrow stimulation



Enables cell retention and three-dimensional organization

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Collygen GCR

CYM-3040GR Collygen GCR membrane 30 x 40 x 0.2 mm 1 pc
CYM-5050GR Collygen GCR membrane 50 x 50 x 0.2 mm 1 pc



Literature



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