



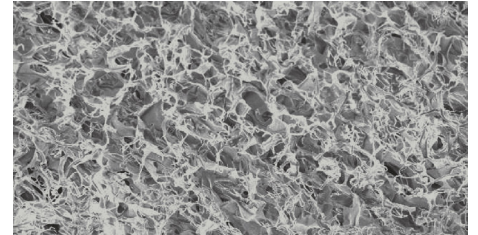
# ologen<sup>TM</sup>

## Biodegradable Collagen Matrix

### About ologen<sup>TM</sup> Collagen Matrix

ologen<sup>TM</sup> Collagen Matrix (ologen<sup>TM</sup> CM) is an advanced wound care device composed of a porous matrix of cross-linked atelocollagen and glycosaminoglycan (GAG).

ologen<sup>TM</sup> CM is specifically designed to promote scar-free wound healing by guiding fibroblast ingrowth in a wide range of ophthalmic surgeries, for example to create a prominent healthy vascular bleb in glaucoma surgery.

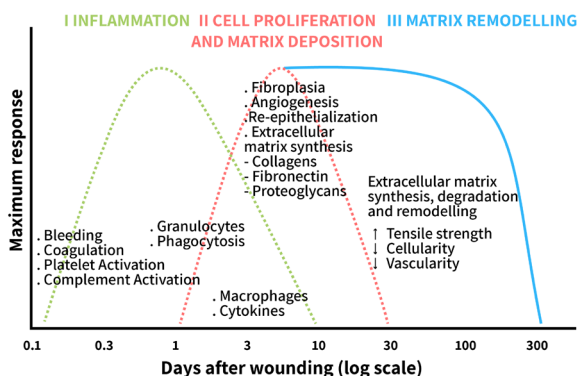


### Device description

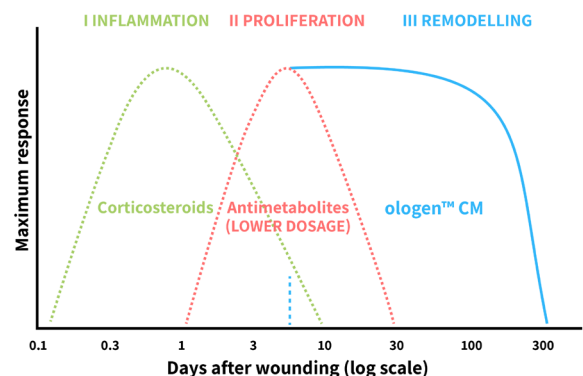
- Type I atelocollagen with a 3D porous structure and pore diameter between 10-300  $\mu\text{m}$
- Comprises > 90% atelocollagen and < 10% glycosaminoglycan (GAG)
- Dry form scaffold
- Biodegraded in approximately 3 to 6 months

### Mechanism of action in glaucoma surgery in combination with low dose anti-metabolites

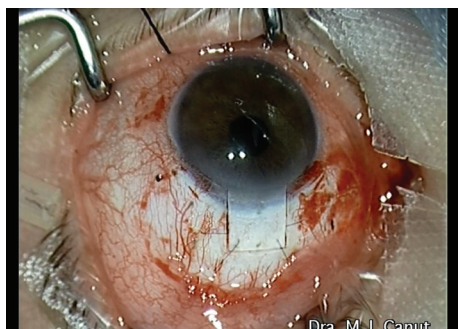
Phases of repair in acute (normal) wound healing



Wound healing process modulation

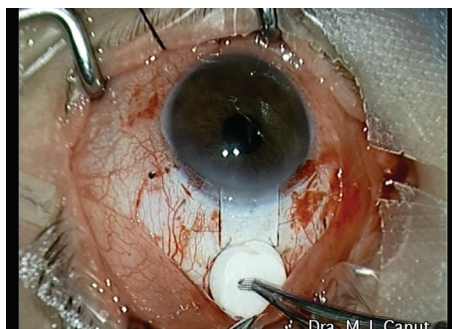


## Gold standard trabeculectomy procedure with low dose anti-metabolites and ologen™ CM



Surgical technique unchanged until closure of scleral flap. Consider strategy to allow laser suture lysis. Consider lowering the dose of anti-metabolites.

*Surgery by Dr. M.I. Canut*



Place ologen™ CM directly posterior of scleral flap.

*Surgery by Dr. M.I. Canut*



Close and reform anterior chamber.

*Surgery by Dr. M.I. Canut*

## Results



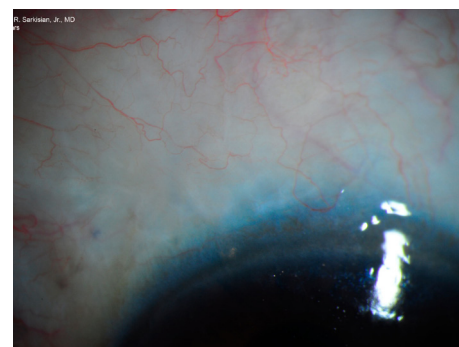
Mitomycin C (MMC)

*Bleb comparison photos by Dr. S. Sarkisian*



ologen™ CM (6 months after surgery)

*Bleb comparison photos by Dr. S. Sarkisian*



ologen™ CM (24 months after surgery)

*Bleb comparison photos by Dr. S. Sarkisian*

## Product specification

### Product shape



### Model number

### Size

830601

6.0 mm (D) x 2.0 mm (H)

830621

7.5 mm (D) x 2.0 mm (H)

862051

12.0 mm (D) x 1.0 mm (H)

870051

10.0 mm (W) x 10.0 mm (L) x 2.0 mm (H)