

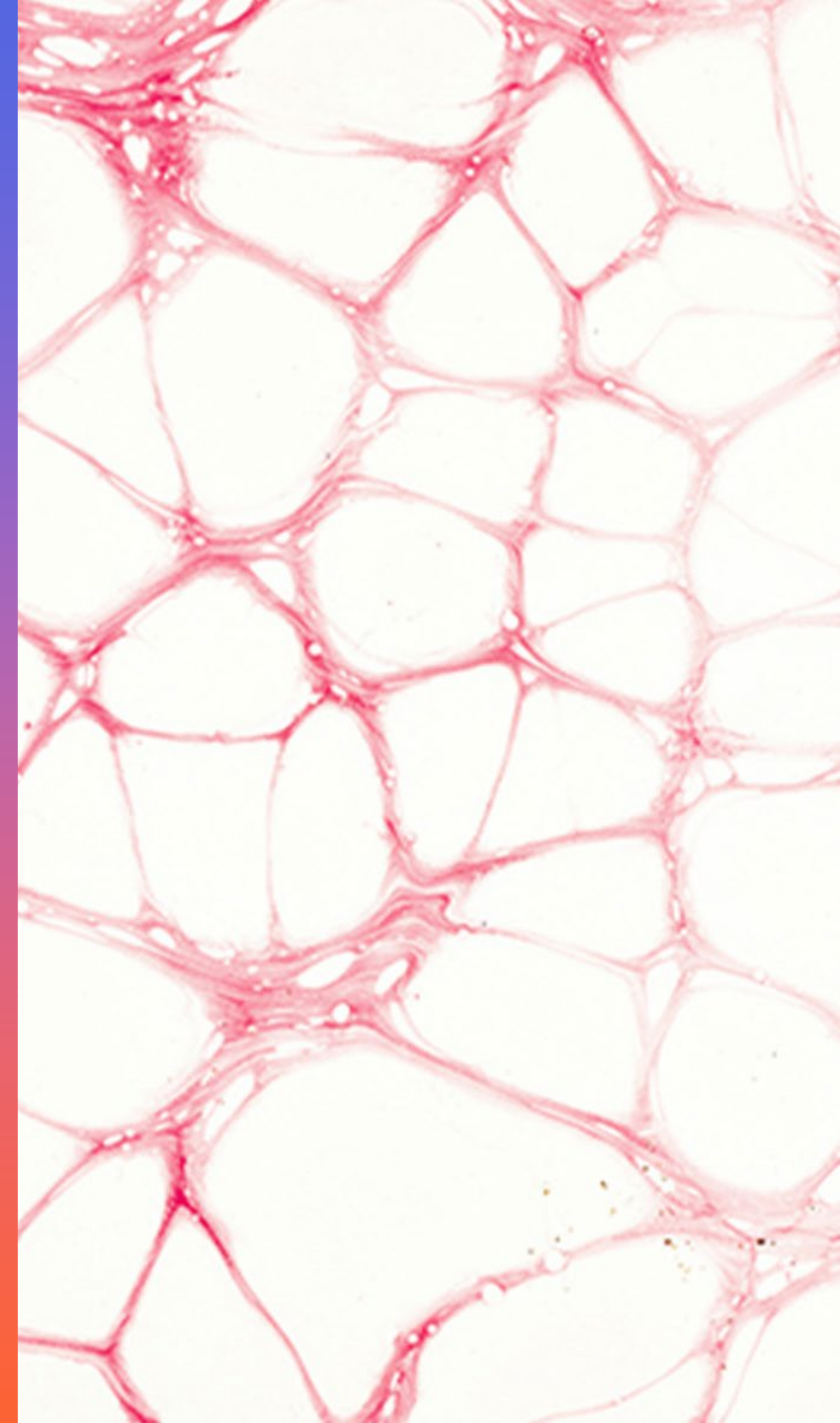
Collagen membrane architectures for wound healing

(CE case ref: CAM-3575)

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Utilising electrophoretic pulsed deposition manufacturing for the production of collagen films for medical applications

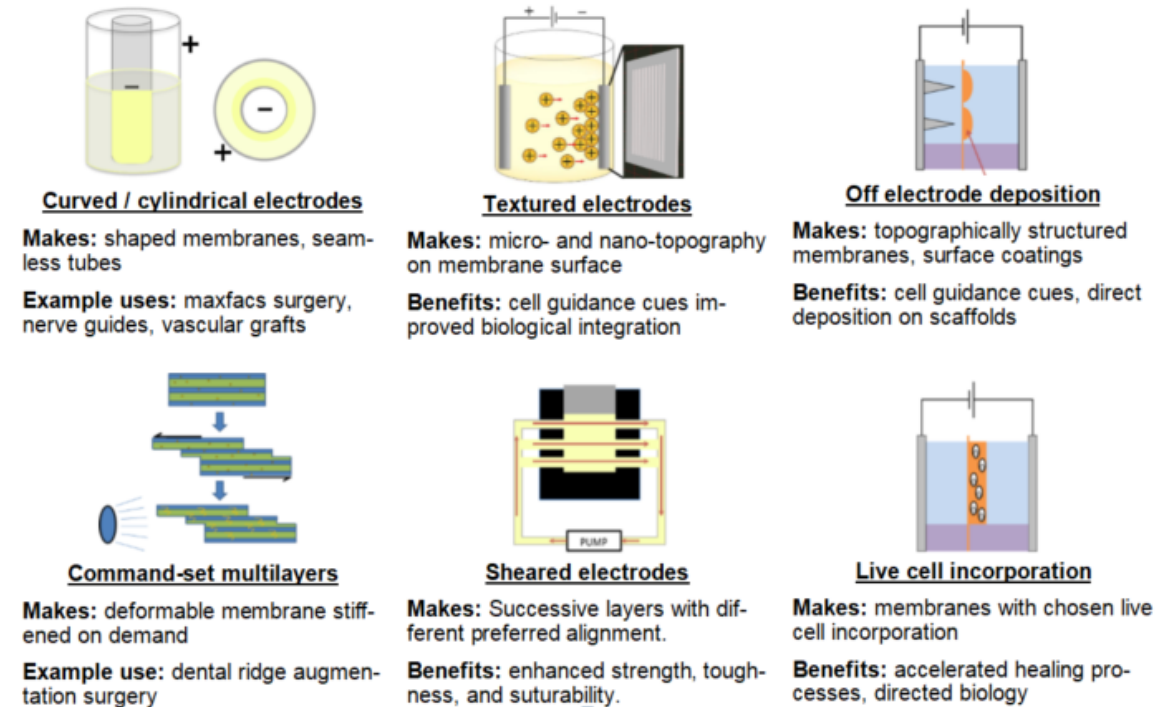
BENEFITS

- Manufacturing is compatible with medical grade collagen
- Larger size and thickness collagen films compared to existing products available (e.g. DuraMatrix by Stryker)
- Manufacturing can be optimised to control characteristics, such as toughness and shape.
- Compatible with cell deposition to enable delivery of cellular factors.

APPLICATIONS

- Large area topical wound healing, thoracic membranes, dental implants, nerve implants, bone implants.
- Periodontal Disease and Maxillofacial surgeries
- General Surgical Membranes (Anti-adhesion membranes, Dural Membranes)
- Wound Care (Dermal grafts and burn coverings)
- Cardiovascular (have explored cardiac patches)
- Orthopaedics

Potential Architectures



OPPORTUNITY

- National patent (WO2019/219916) granted in US & JP, prosecution ongoing in Europe.
- Available for licensing and co-development