RESODURA®

Transparent collagen biomatrix for regeneration of the dura mater
RESODURA® is a biological, resorbable dura mater replacement based on native type 1 equine collagen fibrils.

Thanks to its special manufacturing process, RESODURA® is transparent, facilitating the optimum visual inspection of the underlying tissue.

RESODURA® is available in six different implant sizes and can be cut perfectly to size to match the dimensions of the area to be treated.

RESODURA® minimises inflammatory and immunological reactions, thereby reducing scar formation.

- **transparent**
- **reduced risk of scaring**
- **assures biocompatibility**
- **impermeable seal**
- **compatible with fibrin glues**
- **guide rail effect**
- **tear resistant**
RESODURA® - The Collagen Biomatrix

- Simply cut RESODURA® collagen biomatrix to the desired size (minimum 1 cm overlap).
- Prior to use, hydrate RESODURA® in a sterile physiological saline solution (approx. 2-5 min.) This helps to improve handling.
- If greater adhesion of RESODURA® to the tissue is required, then RESODURA® can also be applied without prior wetting.
- Sutures are not generally required to secure RESODURA®. In some special situations, tension-free, atraumatic sutures may be used. We recommend that the sutures are sealed using a fibrin sealant.
- Fibrin sealants support the fixing process of RESODURA®.
- RESODURA® can be applied using the underlay or the overlay technique.
- Ensure that the structural integrity of RESODURA® is maintained.

Conversion process of RESODURA® into vital dura mater tissue

- Layer structure
  - 4 weeks - H&E stain, x600
  - 8 weeks - trichrome stain, x150
  - 16 weeks - Van Gieson stain, x200

Collagen biomatrix
- Layer structure similar to dura mater
- Primarily impervious to fluids
- Native, biologically active

Living dura mater tissue
- Regenerated dura mater layer structure
- Rich in cells and newly formed capillaries
- Newly formed, dense collagen fibres
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<th>SIZE</th>
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References