Bioresorbable Implant designed for Skull Reconstruction and Orbital Repair

**Osteomesh™** is a bioresorbable implant designed for the reconstruction of the orbital walls and craniosynostosis, with a patented interconnected porous 3D architecture that allows for rapid and homogeneous vascularisation, allowing new bone to fill up the porous spaces.

**Key Benefits**

- **Helps restore bone in the defect**
  - **Osteoconductive** scaffold for the body’s own cells to regenerate bone. **Resorbs**, degrading slowly into carbon dioxide and water, leaving only bone behind.
  - They have similar mechanical properties to human cancellous bone.

- **No screws or other additional fixation required**
  - Adheres firmly to the bone without tendency to migrate

- **Tried and tested**
  - They are **synthetic and biocompatible**, and do not provoke unwelcome foreign tissue response.
  - FDA-approved with **excellent long-term clinical results**.

- **Easy handling and application**
  - Light and can be easily cut with a pair of scissors.

**Clinical results**

- More than 500 patients with outstanding results.
- Beyond 2 years of follow-up.
- No prolapse of orbital contents into the sinus cavity.
- **Osteomesh™** remained in a satisfactory position.
- Normal anatomy of orbital shape and volume restored.
Osteomesh™ is designed to aid healing of fractured orbital floors by:

- **Restoring the structural integrity** of the orbital wall by bridging the defect and preventing orbital contents from herniating into the adjacent periorbital sinuses.
- **Preventing extra-ocular motility limitations** by minimising scar tissue adhesion with orbital contents.
- **Augmenting the orbital volume** by compressing the intra orbital contents to correct enophthalmos.

### Range of Products

<table>
<thead>
<tr>
<th>Standard Products</th>
<th>Size</th>
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<tbody>
<tr>
<td>Osteomesh PTSH-050-050-001-P2</td>
<td>50mmx50mmx1.25mm</td>
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<tr>
<td>Osteomesh-Osteostrip PTSH-100-004-003-P1</td>
<td>100mmx4mmx3mm</td>
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Other sizes and shapes can be produced as required.

### Regulatory Approvals

Our products have obtained various regulatory approvals including:

- FDA 510(k) (United States)
- HSA (Singapore)
- CDSCO (India)
- KFDA (KFDA)

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Caution: Always refer to the package insert, product label, and/or user instructions before using any Osteopore product. The information presented in this brochure is intended only to demonstrate an Osteopore product. Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets. This device can only be used upon prescription by a surgeon.