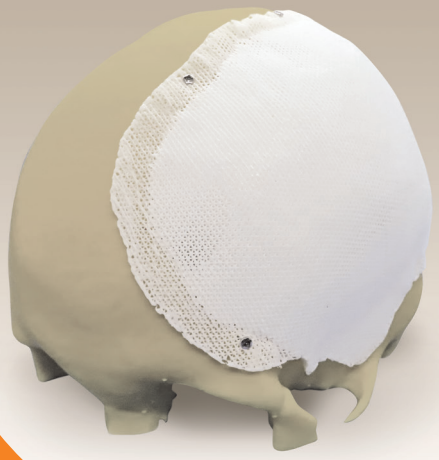
Osteopore®

OSTEOPORE® PATIENT SPECIFIC IMPLANT

For Cranioplasty



1 DESIGNED TO FIT

- Osteopore® Patient Specific Implant is designed based on CT images for excellent fit.

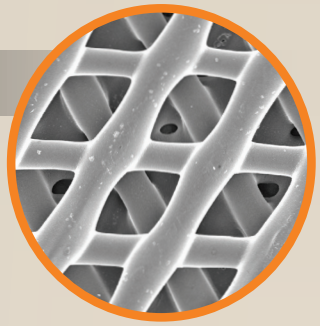
2 BIOMIMETIC

- The Osteopore® Patient Specific Implant is a bioresorbable implant with a patented interconnected porous architecture that mimics the natural cancellous bone microstructure. It promotes tissue and vascular ingrowth.
- Osteopore® Patient Specific Implant is an integrating implant for the repair of craniofacial fractures, leading to a shift in reconstructive surgery from purely repairing bony defects to functional regeneration of damaged tissues.
- Osteopore® Patient Specific Implant is manufactured in compliance with current Good Manufacturing Practice (cGMP, EN ISO 13485) and provided sterile (gamma irradiation, EN ISO 11137).

3 MATERIAL & RESORBABILITY

- Polycaprolactone Tricalcium Phosphate (PCL-TCP) is a biodegradable polymer composite that degrades and resorbs fully in vivo by hydrolysis which is then metabolized by the body.
- Osteopore® Patient Specific Implant possesses optimal resorption rate that sustains mechanical integrity during healing process – minimizing adverse host-implant and inflammatory reactions.

4 INTERCONNECTED MICRO-ARCHITECTURE



Interconnected micro-architecture

- Osteopore® Patient Specific Implant is manufactured with a porous interconnected micro-architecture that demonstrates mechanical properties similar to human cancellous bone.
- Upon implantation, blood and surrounding cells are retained in the pores of the scaffold – Creating a regenerative niche that is ideal for tissue formation.

5 HANDLING ADVANTAGE

- Osteopore® Patient Specific Implant can be modified with scalpel or a pair of scissors, if needed.
- In the unlikely event that the Osteopore® PSI needs to be modified, please do so away from the surgical site, and ensure that all particulate debris is removed prior to implantation. Sterile saline may be used to rinse the PSI after modifications.
- Osteopore® Patient Specific Implant requires fixation using plates and screws. It is compatible with permanent and bioresorbable fixation systems.
- Osteopore® Patient Specific Implant shall be used in combination with biologics (synthetic or autologous).

This device can only be used upon prescription by a surgeon.
Protected by patent #: PCT WO2005/048885 and US 6.730.252.B1

For professional use.
CAUTION: See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

MCN 01 050B XE Rev 0

Osteopore®
Empowering Natural Tissue Regeneration

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