CRANIAL RECONSTRUCTION SOLUTIONS
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Your partner of CHOICE

At DePuy Synthes CMF, we are dedicated to providing solutions for your individual patient needs. We do this through offering a comprehensive portfolio of services, education, and products to support you in managing the most standard to most complex cranial reconstruction and closure procedures.
MatrixNEURO™
Streamlined, comprehensive system for internal fixation of the cranium.
• Minimal implant palpability, achieved by low plate/screw profile
• Ultra low profile plates with 0.3 mm plate, 0.4 mm low plate/screw profile, preserves patient cosmetics
• Self-drilling screws designed for rapid starting and low insertion torque for fast closure of bone flaps and rapid fixation
• Wide selection of titanium plates, burr hole covers, and contourable mesh
• Ready-to-use sterile packs for one standard craniotomy closure are available

CRANIAL FLAP TUBE CLAMPS
Single instrument system for rapid and stable fixation of cranial bone flaps.
• Facilitates rapid, low-profile fixation of cranial bone flap
• No screws required for fixation
• Available in four diameters: 11 mm, 13 mm, 18 mm, and 22 mm
• Clamps offered with smooth or textured bottom disks
RAPIDSORB® RAPID
RESORBABLE FIXATION

RAPIDSORB® Rapid Resorbable Fixation

Resorbable fixation of cranial bone in adult and pediatric patients.

• Implants maintain fixation for 8 weeks during the critical bone healing phase

• Stable reconstruction which completely resorbs in approximately 12 months

• Radiolucent material

• Wide variety of plates, meshes, clamps, and screws
MatrixNEURO™
TITANIUM MESH

MatrixNEURO Titanium Mesh

Contourable titanium mesh designed for reconstruction of cranial defects.

• Contourable mesh offered in multiple shapes and sizes
• Various strengths to meet reconstruction needs
• Color coded based on strength:
  • Silver 0.4 mm thick, malleable
  • Blue 0.4 mm thick, rigid
  • Pink 0.6 mm thick, rigid
• Available in multiple sizes, including:
  • 38 x 45 mm
  • 100 x 100 mm
  • 200 x 200 mm (blue, pink)
CRANIOS REINFORCED®
Calcium Phosphate Bone Cement

CRANIOS REINFORCED is a biocompatible, self-setting calcium phosphate bone cement intended to fill defects in the restoration or augmentation of the cranial skeleton.

- Reinforcing fibers resist cracking during the setting period and increase the cement’s material toughness*
- Sodium hyaluronate solution increases viscosity and enhances the material’s mixing and handling properties
- Fast setting in a warm, wet environment
- Closely resembles the mineral phase of bone and is gradually resorbed and replaced with bone during the natural bone healing process

Available in 2 forms:
- Fast Set Putty is easily shaped and molded, and quickly sets to reduce procedure time
- Rotary Mix is injectable for controlled and precise filling of defects

* Toughness is defined as a measure of a material’s resistance to fracture when stressed. Data on file with DePuy Synthes, mechanical test FRN Test 132.
PATIENT SPECIFIC IMPLANTS (PSI)

Patient Specific Implants are customized implants designed from CT data to specifically meet a patient’s cosmetic and reconstruction needs.

- Derived from CT data for excellent reconstructive results
- Engineered for strength, stability, and biocompatibility
- Better anatomic fit
- Reduced operating time
- Satisfying aesthetic results
Indications for Use

MatrixNEURO™
United States:
The Synthes MatrixNEURO Cranial Plating System is intended for use in fixation of the cranial bones in procedures such as reconstruction, fracture repair, craniotomies, and osteotomies.

Canada:
The Synthes MatrixNEURO Cranial Plating System is intended for use in selective trauma of the midface and craniofacial skeleton; craniofacial surgery; reconstructive procedures; and selective orthognathic surgery of the maxilla and chin.

Cranial Flap Tube Clamps
The Cranial Flap Tube Clamp is intended to reattach a cranial bone flap to the surrounding cranium after a craniotomy procedure.

RAPIDSORB® Rapid Resorbable Cranial Clamp
RapidSorb Cranial Clamps are indicated for covering burr holes and for fixation of cranial bone flaps in adult and pediatric populations.

Patient Specific Implants (PSI)
The Patient Specific Implant is intended to replace bony voids in the cranial and/or craniofacial skeleton.

CRANIOS REINFORCED® Calcium Phosphate Bone Cement
CRANIOS REINFORCED Fast Set Putty and CRANIOS REINFORCED Rotary Mix are indicated for repairing or filling cranial defects and craniotomy cuts with a surface area no larger than 25 cm². CRANIOS REINFORCED Fast Set Putty and CRANIOS REINFORCED Rotary Mix are also indicated for the restoration or augmentation of bony contours of the cranial skeleton (including fronto-orbital areas) such as burr hole voids and other cranial defects.

RAPIDSORB® Rapid Resorbable Fixation
The RapidSorb Resorbable Fixation System is intended for use in fracture repair and reconstructive procedures of the craniofacial skeleton in pediatric and adult populations. In addition, resorbable meshes, sheets, screws, and tacks may be used in non-load-bearing applications for main-taining relative position of, and/or containing, bony fragments, bone grafts (autograft or allograft), or bone graft substitutes in reconstruction of the craniofacial or mandibular areas.

Limited Warranty and Disclaimer: DePuy Synthes CMF products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.

WARNING: In the USA, these products have labeling limitations. See applicable package inserts for complete information.

CAUTION: USA Law restricts these devices to sale by or on the order of a physician.

Not all products are currently available in all markets.