

OSTEOPORE® REGENERATIVE BONE SCAFFOLD



K E L Y N I A M

Customized Precision. Expedited.

OSTEOPORE® REGENERATIVE BONE SCAFFOLD

Osteopore® devices are intended for use in the repair of neurosurgical burr holes, craniotomy cuts and other cranial defects.

Osteoplug, Osteostrip, and Osteomesh are bioresorbable implants with a patented interconnected porous architecture that mimics the natural cancellous bone microstructure. This bone scaffold creates an environment for tissue and vascular ingrowth.

Osteopore® devices are made of Polycaprolactone (PCL), a biodegradable polymer that degrades and resorbs fully over 24 months. PCL's degradation profile possesses an optimal resorption rate which maintains mechanical integrity during the healing process – minimizing adverse host-implant and inflammatory reactions.



OSTEOPLUG

BURR HOLE COVERS

- MUSHROOM BUTTON DESIGN
- TIGHT FIT MECHANISM
- BIOCOMPATIBLE
- OSTEOCONDUCTIVE
- RESTORE BONE

OSTEOPORE® BURR HOLE COVER PC 22



CATALOG NO.	A, LENGTH (MM)	B, BREADTH (MM)	C, THICKNESS (MM)
PC22 (11, 11, 4)	11	11	4
PC22 (13, 13, 4)	13	13	4
PC22 (14, 14, 4)	14	14	4
PC22 (15, 15, 4)	15	15	4

SURGICAL PROCEDURE

- Burr Hole Reconstruction

INDICATIONS

- Intracerebral Hematoma
- Encephalitis
- Subarachnoid Hemorrhage (SAH)
- Brain Tumor

OSTEOPLUG

SHUNTS & DRAINS

OSTEOPORE® BURR HOLE COVER PC 23



CATALOG NO.	A, LENGTH (MM)	B, BREADTH (MM)	C, THICKNESS (MM)
PC23 (11, 11, 4)	11	11	4
PC23 (13, 13, 4)	13	13	4
PC23 (14, 14, 4)	14	14	4
PC23 (15, 15, 4)	15	15	4

SURGICAL PROCEDURE

- SDH Drainage

INDICATIONS

- Subdural Hematoma (SDH)

OSTEOPORE® BURR HOLE COVER PC 24



CATALOG NO.	A, LENGTH (MM)	B, BREADTH (MM)	C, THICKNESS (MM)
PC24 (11, 11, 4)	11	11	4
PC24 (13, 13, 4)	13	13	4
PC24 (14, 14, 4)	14	14	4
PC24 (15, 15, 4)	15	15	4

SURGICAL PROCEDURE

- CSF Shunting

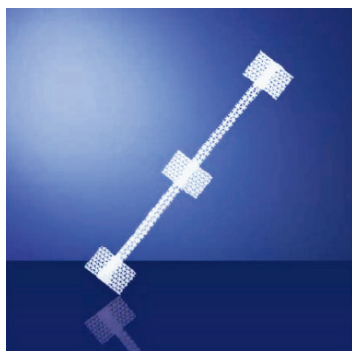
INDICATIONS

- Hydrocephalus

OSTEOSTRIP

FILLING IN CRANIOTOMY GAPS CAN RESULT IN IMPROVED COSMESIS, REDUCED PAIN, AND INCREASED PATIENT SATISFACTION. THE OSTEOPORE IMPLANT FULLY RESORBS OVER 24 MONTHS.^{1, 2, 3}

OSTEOPORE® STRIP PC 17



CATALOG NO.	A, LENGTH (MM)	B, BREADTH (MM)	C, THICKNESS (MM)
PC17 (100, 2, 4)	100	2	4
PC17 (100, 3.5, 4)	100	3.5	4

SURGICAL PROCEDURE

- Craniotomy

INDICATIONS

- Removal of Brain Abscess
- Clipping of Cerebral Aneurysm
- Tumor Biopsy
- Resection of Arteriovenous Malformation (AVM)

OSTEOMESH

- MAXIMIZED BONE CONTACT
- OSTEOCONDUCTIVE
- SEMI-FLEXIBLE
- CAN BE FOLDED AND TRIMMED

OSTEOPORE® MESH PC 11



CATALOG NO.	A, LENGTH (MM)	B, BREADTH (MM)	C, THICKNESS (MM)
PC11 (50, 50, 1)	50	50	1
PC11 (50, 50, 1.25)	50	50	1.25
PC11 (50, 50, 2)	50	50	2

SURGICAL PROCEDURE

- Cranial vault remodeling
- Endonasal Transsphenoidal Surgery
- Orbital Floor Repair Surgery

INDICATIONS

- Craniosynostosis
- Pituitary Adenomas
- Blowout fracture of Orbital Floor

Intended Use / Indications

Osteoplug® and Osteostrip is intended for use in the repair of neurosurgical burr holes, craniotomy cuts and other cranial defects. Please refer to the Instructions for Use which is provided together with the product for more details on indications, contraindications and other relevant information.

Caution: US law restricts this device to sale by or on the order of a physician.

Disclaimer:

Osteopore® does not provide medical advice, diagnosis or treatment. Information contained in this surgical technique guideline have been provided for general information purposes only. This document is not intended to be a comprehensive document on surgical techniques. The information included cannot and should not replace the independent medical judgment of the treating physician. Decisions on appropriate treatment and surgical technique are the treating physician's responsibility and depend on the physician's training, medical knowledge and the case-specific conditions. Successful implantations are technique sensitive. Sound surgical judgments should be used in the selection of all products. The managing physician should inform the patient regarding the potential benefits, risks and complications associated with the treatment.

Although Osteoplug® has been manufactured under carefully controlled conditions, Osteopore® has no control over the conditions under which the product is used. Osteopore®, therefore, disclaims all warranties, both expressed and implied, with respect to the product, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.

Osteopore® shall not be liable to any person or entity for any medical expenses or any direct, indirect, incidental or consequential damages caused by any use, defect, failure or malfunction of the product, whether a claim for such damages is based upon warranty, contract, tort or otherwise. No person has any authority to bind Osteopore® to any representation or warranty with respect to the product. The exclusions and limitations set out above are not intended to, and should not be construed so as to contravene mandatory provisions of applicable law.

If any part or term of this Disclaimer of Warranty is held to be illegal, unenforceable or in conflict with applicable law by court of competent jurisdiction, the validity of the remaining portions of this Disclaimer of Warranty shall not be affected, and all rights and obligations shall be construed and enforced as if this Disclaimer of Warranty did not contain the particular part or term held to be invalid.

Important information:

Prior to use, refer to the instructions for use supplied with this device for indications, contraindications, side effects, warnings, and precautions.

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¹ Low SW et al. Use of Osteoplug polycaprolactone implants as novel burr-hole covers. Singapore Med J 2009; 50(8): 777-780.

² Schantz JT et al. Cranioplasty after trephination using a novel biodegradable burr hole cover: technical case report. Neurosurgery 58[ONS Suppl 1]:ONS-176, 2006.

³ Yang M et al. Cranial reconstruction using a polycaprolactone implant after burr hole trephination. Journal of 3D Printing Medicine 2020; 4:9-16.

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