

K E L Y N I A M

Cranial and Craniofacial Implants



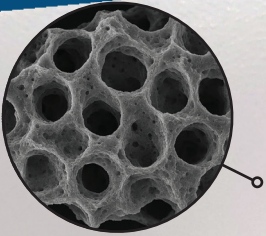
Osteopore® Regenerative Bone Scaffold



CustomizedBone™ Hydroxyapatite Implant



PEEK Custom Implants with Integrated Fixation



PEEK Custom Implants with Biphasic Calcium Phosphate

ONE
Partner
MANY
Solutions



PEEK Customized Craniofacial (CCI) and Skull (CSI) Implants with Integrated Fixation

- Saves money - reduces the need for plating hardware
- Can reduce O.R. time
- Sonolucent¹, radiolucent and non-magnetic (no MRI or CT artifact)
- Delivery within 24-48 hours

Fusion™ Craniofacial Implant (FCI) and Fusion™ Skull Implant (FSI)

- The strength of PEEK
- The benefits of Integrated Fixation
- Biphasic calcium phosphate (BCP), enhances osseointegration², and may decrease the incidence of post-surgery (nosocomial) infections³



WHY KELYNIAM IMPLANTS?

- Designed and manufactured in the USA
- 24-48 hour delivery
- Patented Integrated Fixation System (IFS)
- Serving neurosurgeons since 2011
- OTC: KLYG

THE LEADER IN REGENERATIVE NEUROSURGERY.

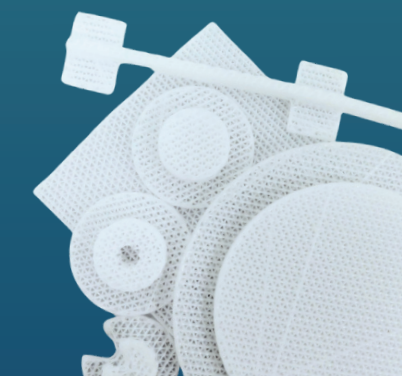


Fin-Ceramica CustomizedBone™ Hydroxyapatite Implant

- Osteoconductive and osseointegrable
- Low infection rate⁴
- No CT artifacts and MRI safe
- Pediatric indication >7 years
- NEOS Cranial LOOP™ fixation

Osteopore® Regenerative Bone Scaffold

- Fills bone gaps following craniotomies
- Osteoconductive scaffold that supports natural tissue regrowth⁵
- Radiolucent and MRI safe



ABOUT KELYNIAM

- Serving neurosurgeons since 2011
- Based in Canton, CT, USA
- Pioneers in additive manufacturing, custom cranial implant design, integrated fixation, and regenerative solutions for neurosurgery
- The fastest turnaround time. Implants consistently delivered in 24-48 hours when requested
- Traded OTC: KLYG
- Customized Precision. Expedited.

ORDERING INFORMATION:

800-280-8192

info@kelyniam.com

www.kelyniam.com



13485:2016
Registered



Cleared as a
medical device
K250334



Patent Approved
IFS Tabs

1. Mursch, Kay, and Julianne Behnke-Mursch. "Polyether Ether Ketone Cranioplasties Are Permeable to Diagnostic Ultrasound." *World neurosurgery* vol. 117 (2018): 142-143. doi:10.1016/j.wneu.2018.06.064

2. Dorozhkin, Sergey V. "Biphasic, triphasic and multiphasic calcium orthophosphates." *Acta biomaterialia* vol. 8,3 (2012): 963-77. doi:10.1016/j.actbio.2011.09.003

3. Kihlström Burenstam Linder, Lars et al. "Patient-Specific Titanium-Reinforced Calcium Phosphate Implant for the Repair and Healing of Complex Cranial Defects." *World neurosurgery* vol. 122 (2019): e399-e407. doi:10.1016/j.wneu.2018.10.061

4. Morselli, Carlotta et al. "Comparison between the different types of heterologous materials used in cranioplasty: a systematic review of the literature." *Journal of neurosurgical sciences* vol. 63,6 (2019): 723-736. doi:10.23736/S0390-5616.19.04779-9

5. Schantz, Jan-Thorsten et al. "Repair of calvarial defects with customised tissue-engineered bone grafts II. Evaluation of cellular efficiency and efficacy in vivo." *Tissue engineering* vol. 9 Suppl 1 (2003): S127-39. doi:10.1089/10763270360697030