

PEEK Cranioplasty

PEEK implants for cranioplasties are a viable alternative when autologous bone flap are unavailable or unsuitable ¹⁾.

Improving the bioactivity, porosity, thinning, biocompatibility, antibacterial ability, integration and cost reduction of PEEK implants without affecting their mechanical properties is a major challenge ²⁾.

¹⁾
Ng ZY, Nawaz I. Computer-Designed PEEK Implants: A Peek Into The Future of Cranioplasty? J Craniofac Surg. 2014 Jan;25(1):e55-8. doi: 10.1097/SCS.0b013e3182a2f7b6. PubMed PMID: 24406603.

²⁾
Zhang J, Tian W, Chen J, Yu J, Zhang J, Chen J. The Application of Polyetheretherketone (PEEK) Implants in Cranioplasty. Brain Res Bull. 2019 Aug 16. pii: S0361-9230(19)30357-0. doi: 10.1016/j.brainresbull.2019.08.010. [Epub ahead of print] Review. PubMed PMID: 31425730.

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