PATIENT SPECIFIC CRANIOPLASTY

Adaptive SkullPT
Innovative Solution for:
One step Resection & Reconstruction
Low quality CT-scan
Urgent surgery
PATIENT SPECIFIC CRANIOPLASTY
Adaptive SkullPT

Adaptive SkullPT is a Fast & Accurate Reconstruction Guide to Peroperatively Manufacture and Adapt PMMA Cranial Implant

In case of resection, cranialisation or low quality CT-scans, other commercial cranial implants are not suitable. We propose a system for adapting the patient specific cranial implant to the real patient’s defect, producing accuracy and flexibility in the OR.

How it works (3D animation available on our website)

1. 3D planning: Having received the patient’s CT-scan, we furnish you the 3D resection & reconstruction planning and preliminary 3D implant design.

2. Short lead time: Subject to your approval, you receive the custom resection & reconstruction guides and accessories to be sterilized by standard in-hospital autoclave methods.

3. Resection: You can start with the resection (if needed), guided by our surgical tool (resection guide).

4. Reconstruction: You then reconstruct the skull by shaping the implant, with the guide, to the patient. The implant is then finalized outside the patient’s head, thereby avoiding thermal effects. You can still adapt the implant to the patient if need be and implant it using your preferred fixation system.

Advantages

- One stage guided surgery: resection and reconstruction
- Patient-specific guides
- Perfect fit: final implant borders are shaped to the real patient’s defect

NEW DEMAND
www.3DSide.eu/demand

3D-Side
Fond des Més, 4
1348 Louvain-La-Neuve – Belgium
surgeries@3Dside.eu