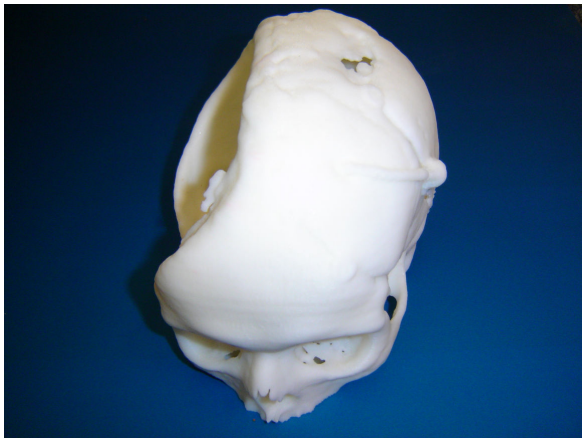
Case name	**Cranioplasty**	
Dimensions in mm (L x W x H)	180 x 130 x 5	
Application	Skull defect reconstruction	
RM process	Electron Beam Melting (Arcam)	
Software	3-matic	
System		
Material	Titanium	
Lead time (hours/days)	12 hours	
Costs	n.a.	
Surface finish	Moderate manual polishing	
Mechanical properties	good	
Thermal properties	n.a.	
Any additional info	young girl underwent trauma in a car accident, large part of skull bone had to be removed by neurosurgeon in order to reduce the pressure on the brain. Reconstruction was done by using RM. The design of the implant was done by using 3-Matic software(Materialise) and the manufacturing by using electron beam melting of titanium (Arcam). The implant had a perfect fit during operation and the implant healed in without any complications. Design by Engineering department University Maastricht (IDEE/ Maastricht Instruments)	
Contact info	name	Dr. Jules Poukens
	organisation	University Hospital Maastricht
	website	www.azm.nl
	email	jpou@mkg.azm.nl
	telephone	+31433872010