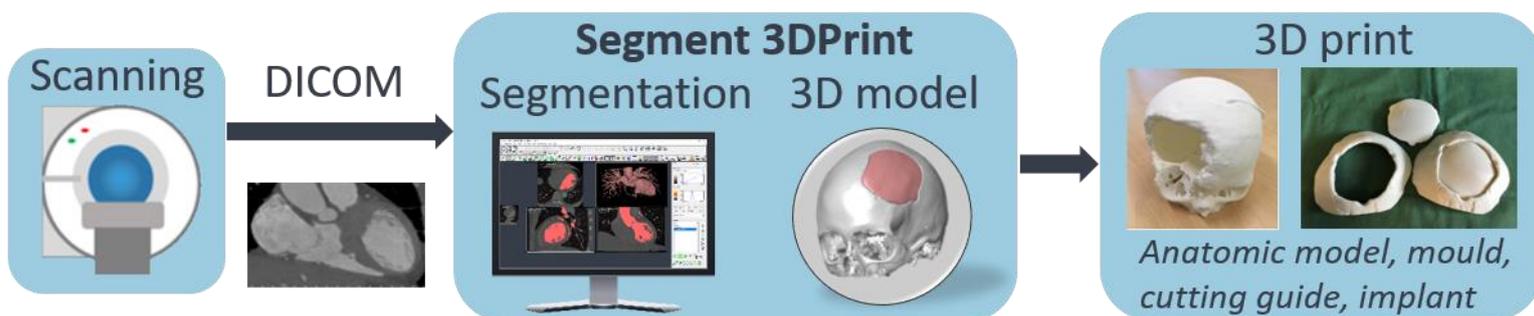


Patient specific care in cranioplasty

Medviso and Skåne University Hospital, Lund, Sweden have together developed a concept for patient-specific cranioplasty moulds. Benefits include decreased surgery time, improved fit and aesthetics, and improved working conditions in the operating theatre. This leads to improved patient care and is a cost-effective alternative in cranioplasty.

Provided solutions

We provide 3D modelling service and software solutions for generation of anatomical 3D models.



3D modelling service

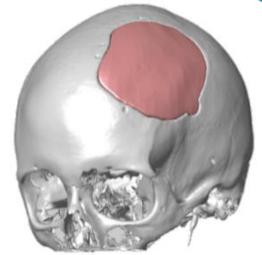
We can help you with generation of anatomical 3D models. Our personnel have expertise in both medical anatomy, image analysis and 3D printing. We understand your clinical question and ensure you get high-quality models to support your clinical work.

Segment 3DPrint

Segment 3DPrint is an intuitive and powerful software for generation of high-quality models for 3D printing and virtual 3D modelling. Segment 3DPrint bears the CE-marking of conformity.

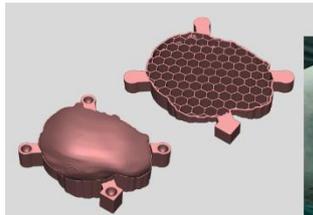
Clinical routine

Using efficient tools in Segment 3DPrint a skull model, implant design, and a mould can be produced in 5-10 minutes. The 3D printed and autoclaved mould is filled with bone cement and hardened during surgery, resulting in a patient-specific implant that can be directly screwed in place. The method is implemented in clinical routine at Skåne University Hospital for all cases where an autologous boneflap is missing.



“Faster and better fit compared to doing it by hand”

- David Cederberg, Neurosurgeon
Skåne University Hospital



Benefits

- Reduced surgery time with around 20 minutes
- Improved aesthetical result
- Enables usage of bone cement (PMMA) even for large defects
- Improved work conditions for staff by:
 - Eliminating the need to grind bone cement
 - Allows handling of bone cement away from the patient
- Puts your clinic in the front line of innovation by providing patient-specific care

Medviso AB

Medviso is a Swedish medical technology company with a mission to empower healthcare and researchers to make a difference. The company was founded in 2007 by Associate Professor Einar Heiberg as a spin-off from research at Lund University, Sweden.