

Individual Planning Model

The Department of Otorhinolaryngology of the Jena University Hospital and the company 3di GmbH developed an individualised hard- and soft-tissue-model for simulation the surgical result.

Characteristics



- preoperative visualization of the result
- true-to-life and detailed simulation and representation of the covering soft-tissue in the operating field
- realisation of an optimal cosmetic result
- correction of defective positions

Hard-tissue-models

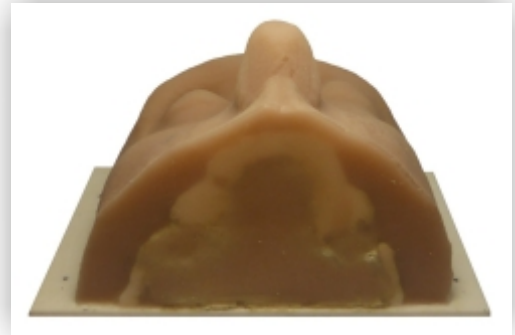
- typical applications: op-planning in the area of the mandibula, maxilla and the orbita
- models are workable on, can be separated and repositioned



Implanting the Future

Combined soft-and hard-tissue-models

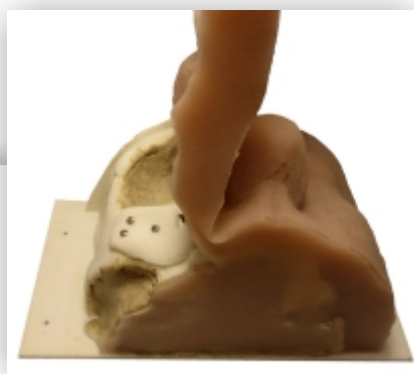
- extraction of skin surface and bone from CT-data
- simulation of the patients post-operative appearance on the real model with implant model



hard-tissue-model
without implant



hard-tissue-model
with implant



model **without** implant

model **with** implant