enFaced

Virtual and Augmented Reality Training and Navigation Module for 3D-Printed Facial Defect Reconstruction

Short description:

Developing an image-guided tool for facial defect reconstruction with virtual and augmented reality.

Goal:

This interdisciplinary research project between computer science and medicine targets the development of a comprehensive image-guided tool for head and neck surgery with the main focus on mandibular fractures and mid-facial fractures. The project is carried out in cooperation with the Division of Oral and Cranio-Maxillofacial Surgery at the Medical University of Graz.

Keywords: Maxillofacial Surgery, Bone Defect Reconstruction, Segmentation, Navigation, Augmented and Virtual Reality, 3D Printed Implants

Note: Biomedical Engineering Students are welcome!

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More information about the project can be found at https://www.tugraz.at/institute/icg/research/team-schmalstieg/research-projects/enfaced/

Computer Algorithms for Médicine

Der Wissenschaftsfonds.