

DENTISTRY

3D dental implant planning

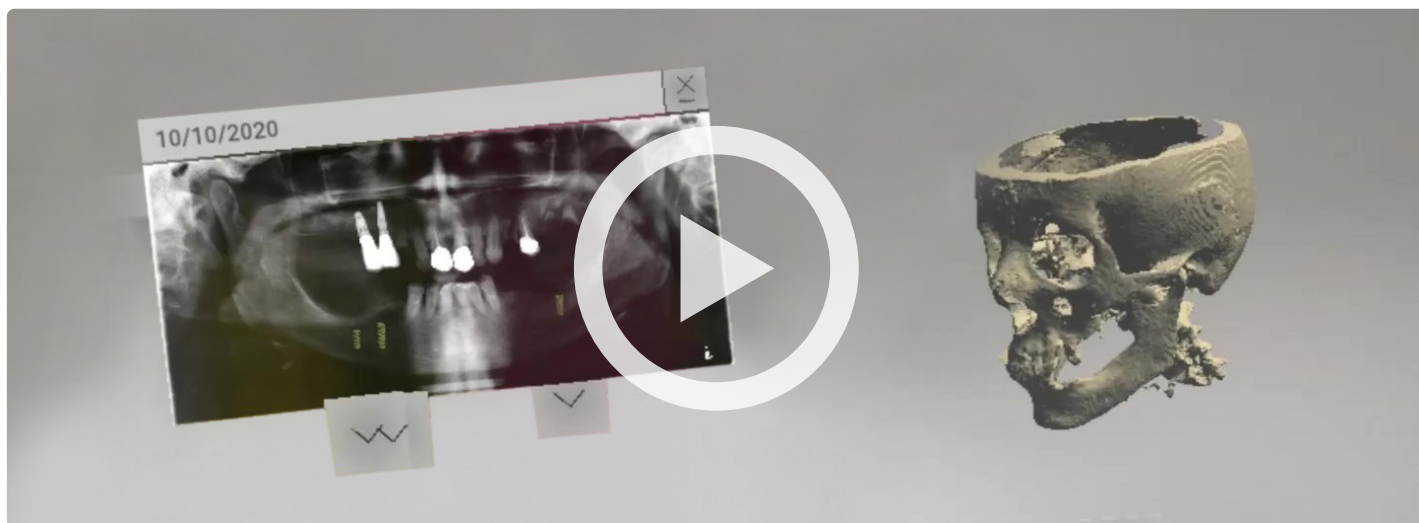


Figure 1: Video - Visualization of patient planning in VSI

Case description: In my dental practice in Antwerp, we visualize dental implant planning using the holomedicine application VSI. All relevant files including medical images of the patient are displayed clearly and at a glance as holograms through the HoloLens mixed reality glasses. The required information and images - **CBCT, OPG/PTI, SLT, MRI, CT, JPEG, PDF** and others - can be opened at the same time and freely positioned in space. The three-dimensional display of the individual images and their merging enable us to perform comprehensive **3D dental implant planning**. This allows dental treatment to be carried out without having to search for medical images, analyses, STLs, etc. If necessary, comments can be added using a dictation function.

ADVANTAGES:

- Fast and safe operation planning
- Display bone structures in true 3D and observe from all various angles
- Improved, more precise orientation for implant insertion

„Since I use VSI, I have discovered total freedom of movement. Now I do not have to move toward my screen to look at my CBCT, I just move my holographic screen wherever I want.“

Dr. Dirk Neefs
MSD oral surgeon
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