

Projektor-basierte kraniofaziale Chirurgie

Projector-based craniofacial surgery

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With a new navigation system, tumor margins and osteotomy lines can be projected directly onto the surgical site.

A scanner is mounted above the operating table, which detects the surface of the surgical site intraoperatively. Osteotomy lines and tumor margins are projected onto this surface using an intense beamer. The proceeding is shown for different patients with tumors that are operated through a coronal approach.

Surgical data can be registered projected with an accuracy of 1 mm. Pointers are not required to transfer the data on the surgical site. As the information is projected directly into the surgical site, no monitor had been necessary either, and the surgeon did not have to alternatively watch a monitor and the patient.

Ergonomics are especially improved during coronal approaches.