The Brånemark System® Zygoma implant concept presents a non-grafting alternative for the treatment of patients with extreme resorption of the maxillary bone. The zygoma implant design and placement protocols have been described in various publications\(^1\)\(^-\)\(^9\). Other reports have focused on anatomical site evaluations for the placement of zygoma implants, image-based planning procedures, and clinical validations of implant placement using drill guides\(^8\)\(^-\)\(^17\).

Clinical studies have been performed with clinical success rates of 82-100% with follow-up periods of up to 5 years\(^11\),\(^12\),\(^18\)\(^-\)\(^49\). Placement of multiple (2-4) zygoma implants in the same os zygomaticus\(^50\),\(^54\), as well as immediate loading of zygoma implants\(^12\),\(^21\)\(^-\)\(^23\),\(^26\),\(^29\),\(^30\) has also been reported. Sinoscopy performed in patients with zygoma implants showed no signs of infection or inflammation in the surrounding mucosa\(^28\),\(^55\).

Zygoma implants have also been used with good results for retention of extra-oral prostheses\(^56\).

A prospective multicenter study is ongoing for further evaluation of the Brånemark System® Zygoma implant\(^33\),\(^57\).

References


57. A clinical evaluation of the Zygoma implant. Three years follow-up at 16 clinics. In manuscript. Ongoing study in 16 centers. Clinical Department, Nobel Biocare AB.