# Treatment of atrophic maxilla with zygomatic implants in 29 consecutives patients

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Atrophic maxilla is a common condition in older population; some treatments are proposed with bone reconstruction or zygomatic implant. Long-term follow up show the efficiencies of zygomatic implant but limited data are associated to consecutive patient. The aim of this study was to evaluate retrospectively the zygomatic implants performed consecutively in 29 patients. Data from clinical records of 29 patients treated with zygomatic implants were analyzed; were include patient with at least 10 month of prosthetic function. Four surgeons realized all surgeries using local anesthesia with a slot technique on local anesthesia; the variables analyzed were implant survival, complications, prosthetic load and satisfaction of patient; data collection was analyzed by descriptive statistic and chi-square test with $p<0.05$ for significance statistical. 67 zygomatic implants and 84 conventional implants were installed in patients between 35 and 69 year old being 18 (62%) female and 11 (38%) male. The main indication was the case of severe alveolar resorption in 21 cases (72.41%), followed by failures in maxillary reconstruction with bone graft in 4 (13.79%). The implant success was 79.1% and the immediate or delayed load was not associated to statistical difference (p=0.104). The main complication was the loss of osseointegration and mucositis. Analogue Visual Scale (AVS) for satisfaction show acceptable esthetic and function. Finally we conclude that zygomatic implant present adequate survivor and a good response of patient; important complication can be present in a learn curve for this surgery.

Atrophic maxilla

Surgical technique

Zygomatic implants

adult

aged

alveolar bone loss

article

atrophic maxilla

bone graft

clinical article

female

fixation failure

human

jaw disease

male

patient satisfaction

retrospective study

surgical technique

tooth implant

tooth prosthesis