



The treatment of atrophic maxilla using zygomatic implants

Andrea Tedesco

University of Florence, Italy.

Abstract:

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.

Biography:

Andrea Tedesco graduated in Dentistry and Prosthodontic at the University of Florence, Italy. He specialized in Oral Surgery and gained a Post-graduate Diploma at the Oral and Maxillofacial Department of the Guy's and St. Thomas Hospital, in London. He is enrolled in the General Dental Council of London. He has performed over 200 implant surgery with the use of zygomatic implants.

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