

# **“Surgical and prosthetic management of a severely atrophic maxilla, using nasal and sinus lifts along with incisive canal implants”**

Molina, G.

Mazzei, G.

Coronado, C.

## **Abstract**

The present case report describes the dental rehabilitation of an atrophic maxilla in a 70-year-old female without a relevant medical record. The patient presented three-dimensional bone reabsorption of the upper alveolar ridge, altered intermaxillary relationship in the vertical, sagittal, and transverse planes. As well as, incisive papilla with vestibular position to alveolar ridge and loss of lip support. An overdenture retained by five implants was made with a macro geometry suitable for primary stability and a predictable biomechanical distribution according to the triangular shape of the maxillary arch. Combined with, surgical techniques of bilateral sinus lift and nasal floor lift. Additionally, a carbon-based implant retention system was used during the prosthetic phase. Prior to full treatment planning, the static and dynamic occlusion was stabilized with a complete upper denture and a removable partial lower denture. In the same manner, aesthetic and functional parameters were recovered along with the Vertical Dimension of Occlusion (VDO). Afterwards, the complete upper denture was used as a radiographic guide during the final treatment.

## **Author keywords**

Dental implants

Overdenture

Retention abutments

Severely atrophic jaw