

Post-extraction bone grafting and sinus-lift



Dr. Constantino Colmenero Ruíz

Dentistry Degree (Universidad Complutense – Madrid)
 Oral Surgery Postgraduate Course (Hospital Príncipe de Asturias – Alcalá de Henares)
 Periodontics University Expert (Universidad Rey Juan Carlos – Madrid)
 Implants and prosthesis on implants University Expert (CEU)
 Private surgery in Madrid devoted to Oral Surgery, Periodontics and Implantology
 Collaborating teacher in the Oral Surgery Master of Alcalá de Henares University
 Author of several communications and scientific papers on oral surgery, periodontics and implants
 Speaker in different basic and advanced implantology courses

Collaborators

Dr Antonio Juzgado Lucas
 Prosthodontist

PATIENT

50 year old male.

MEDICAL HISTORY

Smoker
 Moderate periodontal disease

REASON OF THE VISIT

Pain in upper posterior sector, localized in area 14, 15 and 16 (implant in position 15 and endodontically treated teeth in 14 and 16).

TREATMENT PLAN

Dental extraction of teeth 14 and 16.
 Dental extraction to include tooth 18 and simultaneous sinus elevation.
 Placement of implants in position 14 and 16.
 Restoration through screw-retained fixed prosthesis.

Post-extraction bone grafting and sinus-lift



01 Radiograph of the initial condition.



05 After 5 months, two external connection AVINENT implants with a diameter of 3.8 and 4.8 –both with a 4.1 platform– are placed in positions 14 and 16. Because good primary stability was achieved, the implants were left transmucosal with healing abutments.



02 After two months of 14 and 16 dental extraction, extraction of the mandibular third molar in position 18 and simultaneous sinus elevation filling the bone defect with autologous bone and vegetable-based bone substitutive.



06 Definitive prosthesis with screw-retained bridge 14-16.



03 The bone graft is covered with resorbable collagen membrane.



04 Post-extraction control radiograph of area 18 and sinus elevation with view of the remaining implant 15.



07 The post-surgical radiograph shows the AVINENT implants together with the remaining implant.



08 Final radiograph with the placed prosthesis.

Clinical cases