The Use of Trans Mucosal Abutments - Restoration

Dr. German Sierra, Colombia
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Case Studies

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Immediate Loading Rehabilitation Using the All-on-Four Concept with TMA™ - Multi Unit | Dr. German Sierra, Colombia

A 60 year old patient with an edentulous maxilla with horizontal and vertical bone atrophy and a bilateral severe pneumatosis of maxillary sinuses.

An immediate loading hybrid prosthesis with Co-Cr bar and acrylic was installed on four Adin Touareg™-S implants using the All-on-Four concept 24 hours after the implantation.

**Adin Implants used:**
Tilted implants: Touareg™-S 3.75mmD x 16mmL with Angled Trans Mucosal Abutment 30° 4.0mm - Multi Unit
Straight implants: Touareg™-S 3.75mmD x 10mmL with Straight Trans Mucosal Abutment 2mm - Multi Unit
Initial Drilling 30°

Final Drilling 30°

Implant Insertion 30°
Placement of Adin’s TMA™ - Multi Unit Abutment 30°
Two 30° and Two Straight TMA™ – Multi Unit Abutments

DFDB Placement
TMA™ Healing Cap
While Sutures

TMA™ Closed Tray
Transfers with
Denture Duplication
Final Denture
With Co-Cr Bar Type

Final Denture
With Co-Cr Bar Type
Prostheses Placement 24 Hours After Implants Surgery

Resin in The Holes
LEAVE LIMITS BEHIND
Case 2

Patient is wearing dentures. Due to loss of vertical height & lack of retention, he looks older and has difficulty chewing

Fully Edentulous Rehabilitation Using the All-on-Six/Four Concept with TMA™- Multi Unit | Dr. Shyam Mahajan, India

A 60 year old male patient fitted with a complete denture wear for the last 5 years and desired a fixed prostheses.

X-ray shows bone deficiency beneath maxillary sinus and in posterior mandible. Treatment plan included an All-on-Six restoration on Adin Touareg™ implants for the maxilla and All-on-Four restoration for the mandible. Patient used his old dentures for 4 months.

A hybrid fixed prosthesis was made. Patient is very happy and can eat all types of food and looks much younger.

**Adin Implants used:**
Maxilla-Tilted Implants Posterior: Adin Touareg™ 3.75mmD x 16mmL with straight and Angled TMA™ abutments.
Tilted Implants Anterior: Adin Touareg™ 3.75mmD x 13/11.5 mmL with 30° TMA™-Multi Units.
Mandible with 17° and straight TMA™ Multi Units:
Adin Touareg™ 3.75mmD x 13mmL and 3.5/4.2mmD x 10 mmL.
Maxillary angled implants - distal to sinus pterigopalatine & mesial. Other longer angulated implants to achieve bicortical support. For Mandible mesial to mandibular foramen.
TMA™ Impression Coping Open Tray

Impression Skeleton without Tray
Framework Trial

Jaw Relation / Pre-Casting Trial

Fixed Hybrid Prosthesis