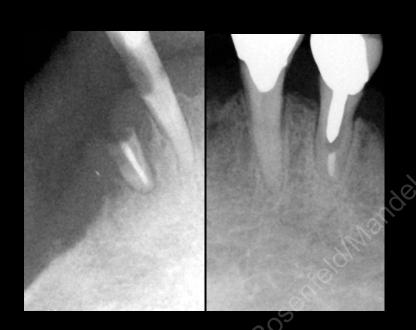
2 Mandibular Anterior Implants To Support A Removable Denture

The Contemporary Standard of Care For Removable Appliances in Edentulous Jaws

Drs. Alan Rosenfeld and George Mandelaris
Diplomates, American Board of Periodontology





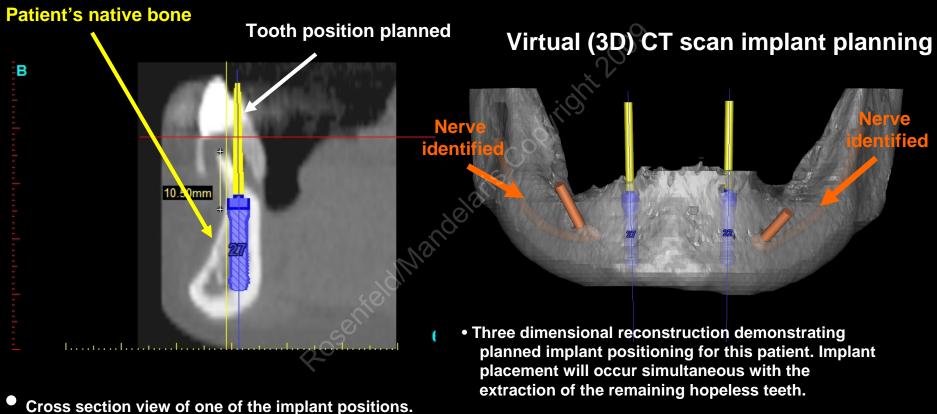
Initial X-rays: Infected remaining teeth with advanced bone loss and non restorable decay

Initial clinical photo

Prognosis = Hopeless

Maxillary (upper) denture is present, but some lower teeth remain which are not salvageable

Treatment = extraction + implant replacement



- Cross section view of one of the implant positions.

 Note the adequate bone width to accommodate the planned dental implant at this position. Implant will be placed in the bone beyond the apex of the tooth requiring some of the unnecessary bone to be removed.
- Position of nerves are highlighted in orange for safety in planning surgery.

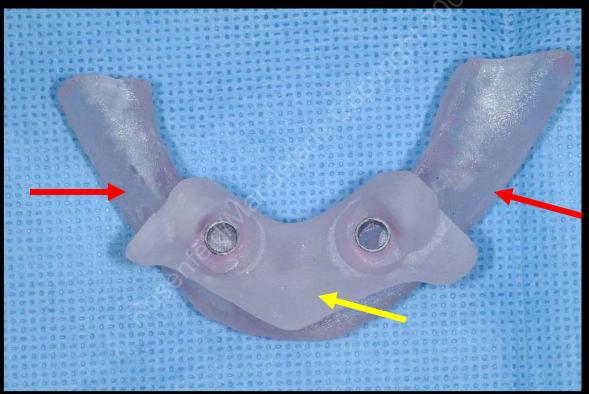
 Two implants will be used to support a lower denture thereby securing in place during eating, talking and

maintain the remaining bone for this patient LONG-TERM.

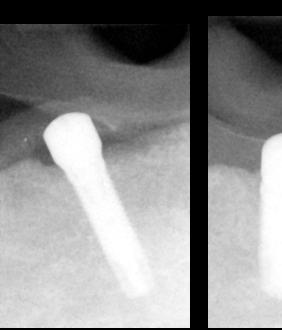
smiling activities. The implants will also help to

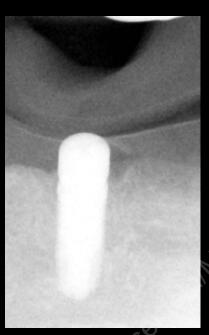
CT Scan plan and 3D implant planning

CT guided surgery will be utilized to ensure precise implant placement



CT scan technology utilized to create virtual duplicate of the patients jawbone (red arrows) and a surgical guide developed (yellow arrow) from patients CT scan plan to ensure precise, accurate and safety in implant placement.







X-rays showing implants placed into lower jawbone

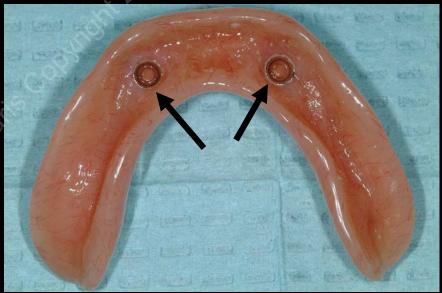
Final outcome of the two implants

Attachments (gold pieces shown here are called "locator" abutments) which connect to lower denture enabling its security and stability for the patient

New Maxillary Complete Denture & Mandibular Implant Supported Removable Denture



Mandibular denture is removable for the patient, but highly retentive due to the implants



Mandibular implant retained removable denture prosthesis with Attachments embedded within denture that the implants fit into (arrows)