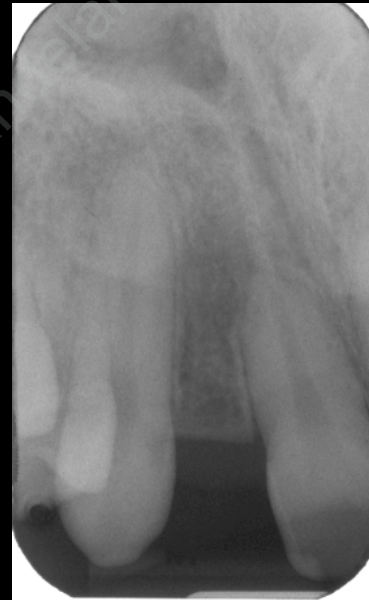


# Single tooth implant supporting the maxillary lateral incisor

**Implant tooth replacement solution for the congenitally missing lateral incisor**

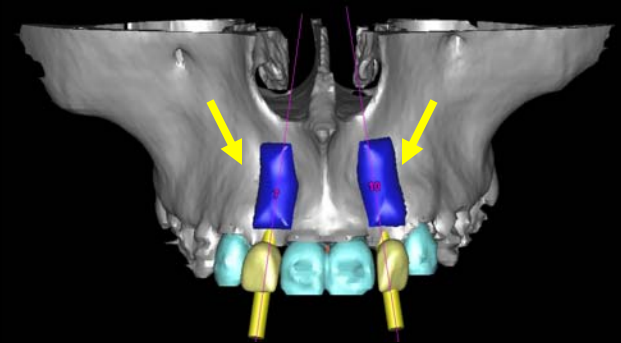
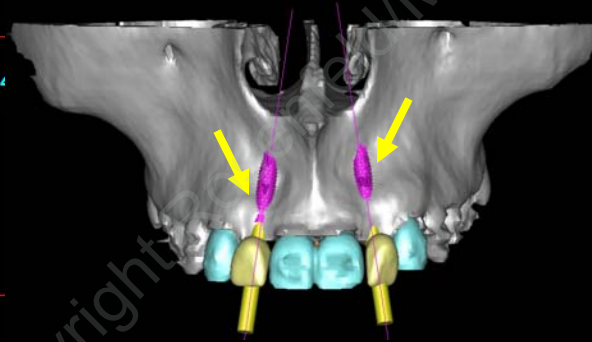
**Drs. Alan L. Rosenfeld & George A. Mandelaris  
Diplomates, American Board of Periodontology**

# Initial Exam



- Initial examination this patient revealed that the maxillary lateral incisors did not form. Both teeth were congenitally missing. The natural dentition in the anterior maxilla are also short teeth. This is a common condition called altered active eruption where the tooth is not fully exposed after the normal eruption process has ceased.
- Teeth #7 and #10 are planned for implant replacement therapy. This will preserve the integrity of the adjacent natural teeth.
- Initial radiographs show that the root position of the natural teeth are too close together to allow for safe implant placement.
- Orthodontic tooth movement is needed before the implants can be placed.

# CT scan diagnostics

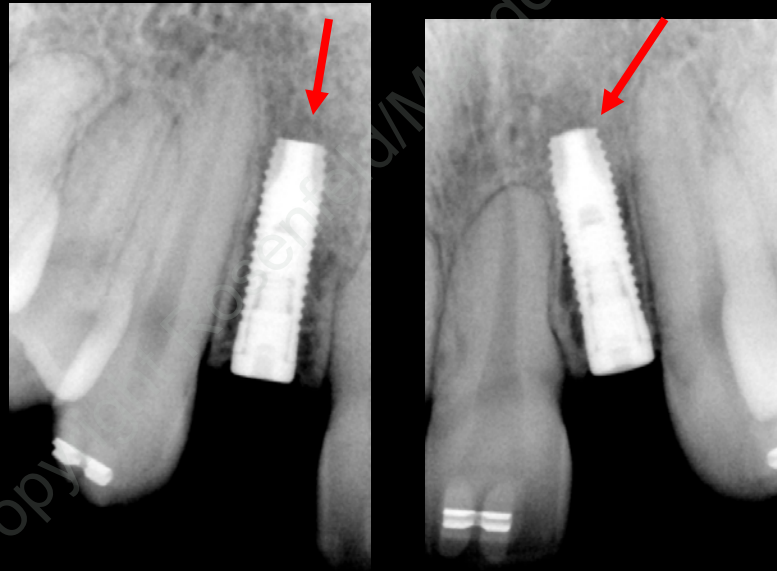


- The above image represents the cross sectional views of teeth #'s 7 and 10. The **yellow arrow** depicts the bone width inadequacy resulting from the tooth non formation.

- This above image represents the 3D image of the maxilla. The **yellow arrows** depict the lack of bone width at both planned sites. Bone grafting will be needed to allow the implants to be placed in the correct position for the teeth to look and functional properly.

- This image above is the 3D image of the maxilla with simulated bone grafts in place. (**yellow arrows**).
- The bone grafting will need to occur first, followed by implant placement 4-6 months thereafter.

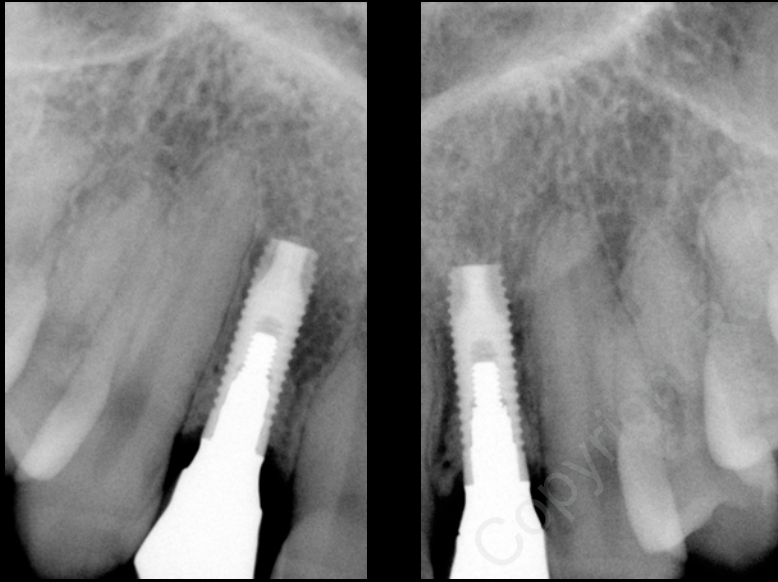
# SURGERY



These two pictures are the X-rays taken after the implant placement surgery, which has occurred 6 months following bone grafting for purposes of gaining bone width.

The implants (red arrows) are placed precisely between the adjacent tooth roots and will be left to heal (undisturbed) for 2-3 months before uncovering them and the placing teeth.

# The Final Prosthetic Phase



**These x-rays demonstrate the final implants restored with porcelain crowns.**



**Final Prosthetic Outcome.**

**Teeth #7 and #10 (maxillary right & left lateral incisors) are the implant supported teeth.**

# Single tooth implants to replace congenitally missing maxillary lateral incisors (#7, #10)



**B  
E  
F  
O  
R  
E**



**A  
F  
T  
E  
R**



# Single tooth implants to replace congenitally missing maxillary lateral incisors (#7, #10)

**BEFORE**



**AFTER**

