

# **The Immediate Implant with Immediate Provisionalization Non Occlusal Loading**

## **The Immediate Smile Procedure- Single Tooth Application**

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# The Initial Examination

Fractured tooth #8



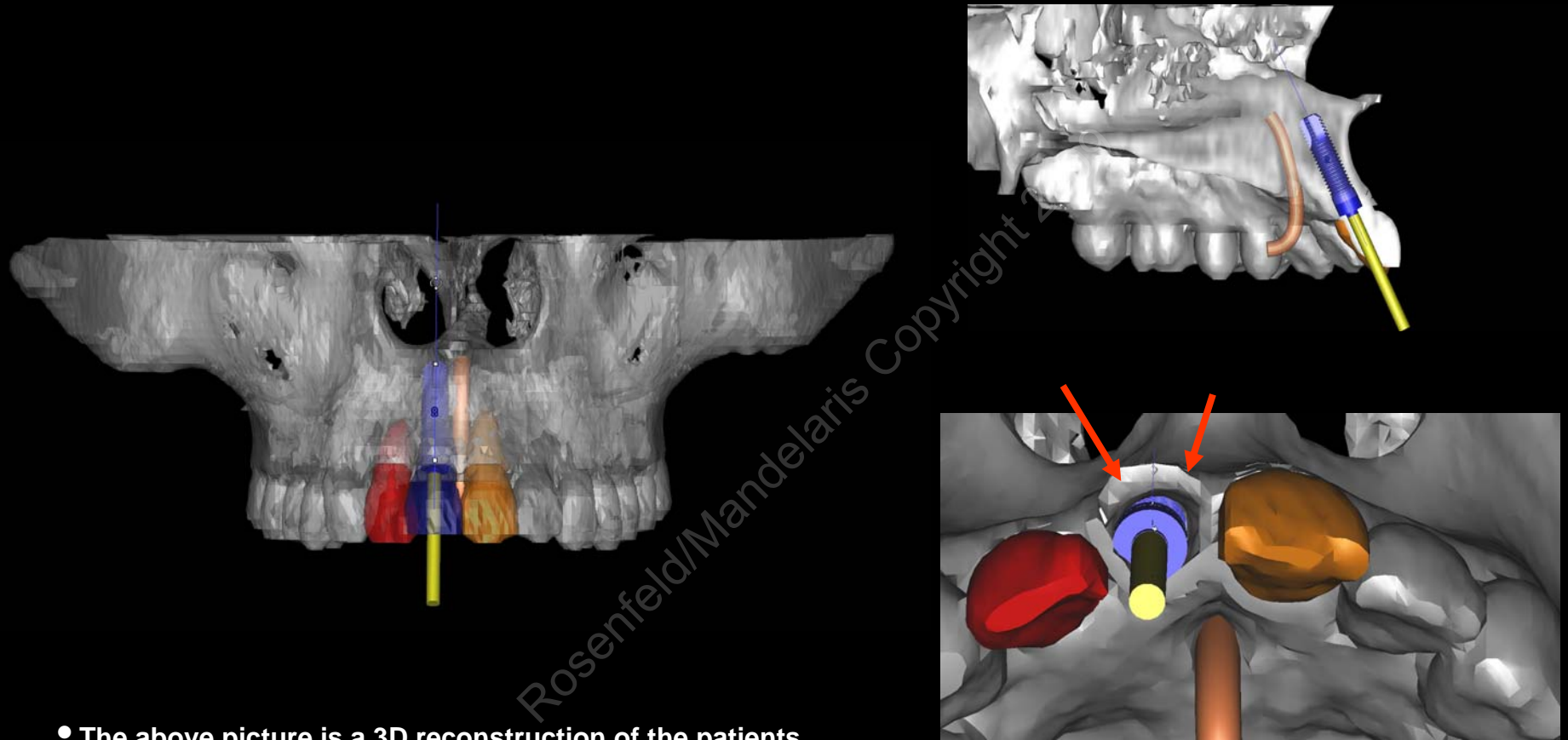
Fractured tooth #8



- A 20 year old male suffered a skateboarding accident at college and fractured his front tooth (maxillary right central incisor- #8). This tooth was deemed not restorable by his general dentist because the fracture was too far below the gum line and tooth much tooth structure had been lost as a result of the fracture.
- This picture shows the tooth re-bonded temporarily after the accident

- Initial X-ray with tooth re-bonded. Tooth #8 is not restorable as a result of a fracture (red arrow) secondary to trauma, while tooth #9 is savable.

# CT scan diagnostic treatment planning



- The above picture is a 3D reconstruction of the patients upper jawbone demonstrating the planned position of the implant after tooth extraction. The adjacent teeth are in differing colors so that their roots can be seen and protected. The nerve is also colored in orange so that it is not violated.

- These two images show the cross sectional view (top) of the precise position of the jaw bone where the implant will go so that we can be certain that the patient has enough bone width to accommodate implant placement BEFORE the actual surgery. The bottom image shows the tooth socket:implant “gap” that will occur, necessitating a bone graft be performed to fill the void.

# Surgery

Pre Op



Post Op



**Fractured, non restorable #8**

After tooth extraction, immediate implant placement and immediate provisionalization. These events occurred on the same day and were carefully planned in a collaborative fashion with the patient's dentist to ensure a predictable result. No stitches were used because the gum did not need to be opened for this procedure to occur. These decisions were made ahead of time, largely as a result of having a CT available to study the patients anatomy before surgery occurred.

# Surgery – Radiographs

**BEFORE**



- Initial X-ray with tooth re-bonded. Tooth #8 is not restorable while tooth #9 is savable.

**AFTER**



**Immediate implant + immediate non occlusal load provisional #8**

# The Immediate Smile- single tooth application

## Outcome assessment

**Initial Presentation**



**Tooth #8 is fractured**

**Immediate Provisional**



**Temporary tooth is placed on implant the same day as surgery occurred.**

**Note that the gum line has not changed. This helps ensure the esthetic result will be natural and pleasing.**

**Final Tooth**



**This is the final porcelain crown on the implant as well as for #9.**

**This result is shown at 2 years after it was finalized to emphasize the long-term nature of the result achieved.**