Dr. Young-Keun Hyun

2025. 06. 20 (FRI.)

[Case Preview]

Minimally Invasive Approach to Immediate Implant Placement on the Mandibular Anterior Area

Patient Information

Age : 52

Sex : Female

Chief Complaint

I have severe mobile tooth
in my lower jaw,
and I want to get it fixed.

Past Dental History

- A fixed retainer is placed in the maxilla.
- The mandibular anterior teeth are stabilized with a wire splint.

Present illness

- Severe chronic periodontitis with advanced alveolar bone loss on #31, #32, #42, #37.
- Wire splinting on #32 - #42.
- Missing on #41.
- Deep bite

Today's Surgery Plan

Surgical Plan

- Flapless immediate implantation on #32 and #42 using pin guide with bright Tissue Level implant accompanied with bone grafting

Prosthetic Plan

- 4 unit bridge of #32 - #42 on 2 implant #32 and #42

Pt. Kim (52/Female)

Pre-op

Pt. Kim (52/Female)

Pre-op

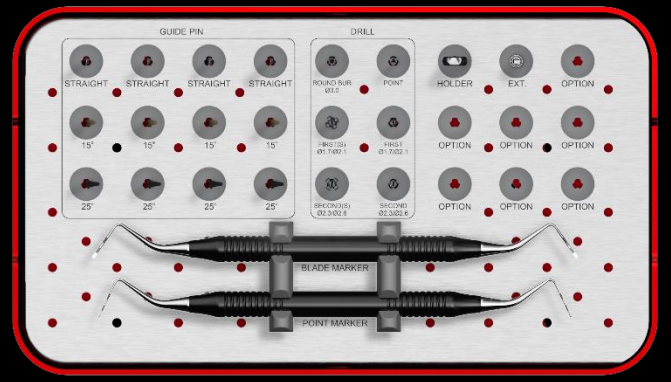
Pt. Kim (52/Female)

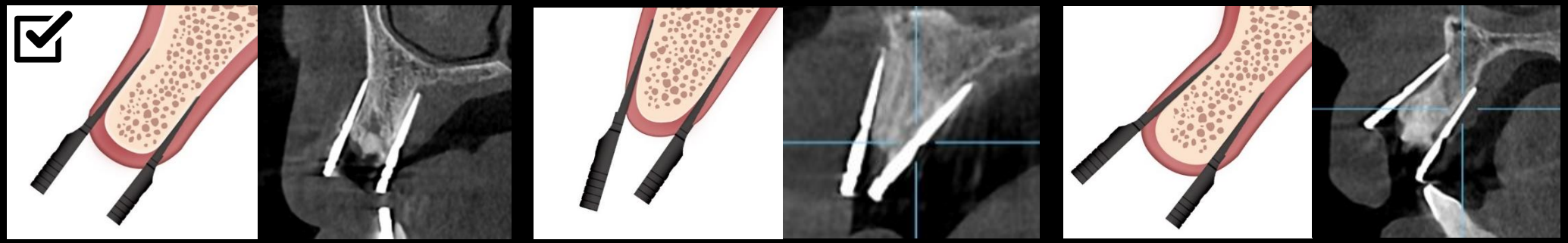
Pre-op

Pin insertion planning

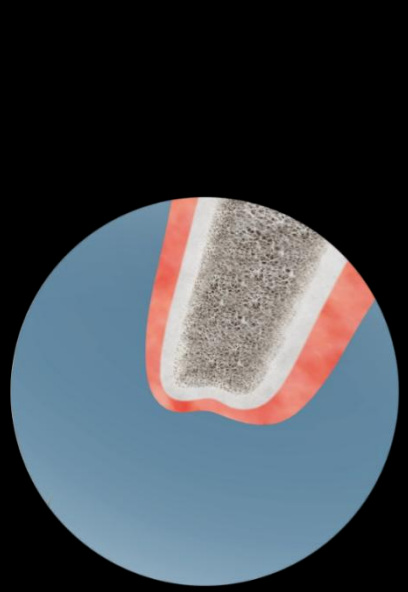
Pin Guide Bone Mapping

- Highly optimized for flapless and immediate Implant placement
- Especially effective in Anterior and Premolar regions





Pin Guide Surgery



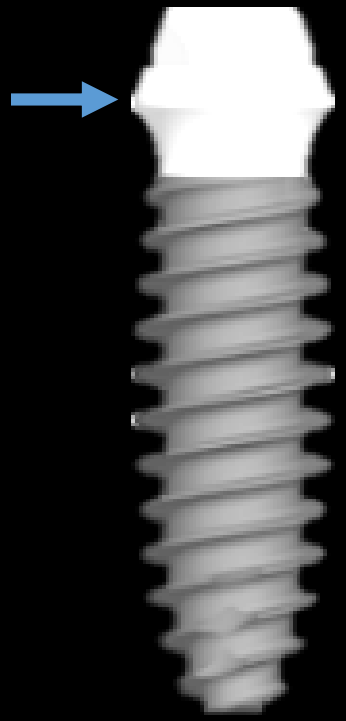
Mapping

Planning

Drilling

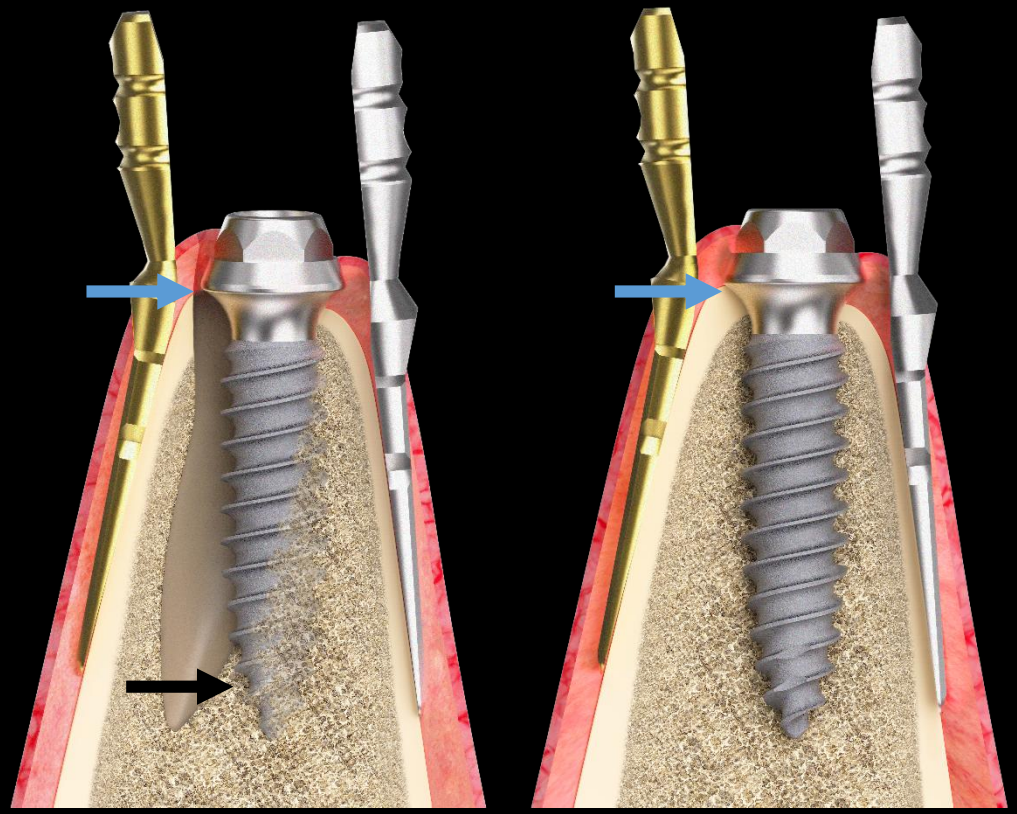
Implant Placement

bright Tissue Level

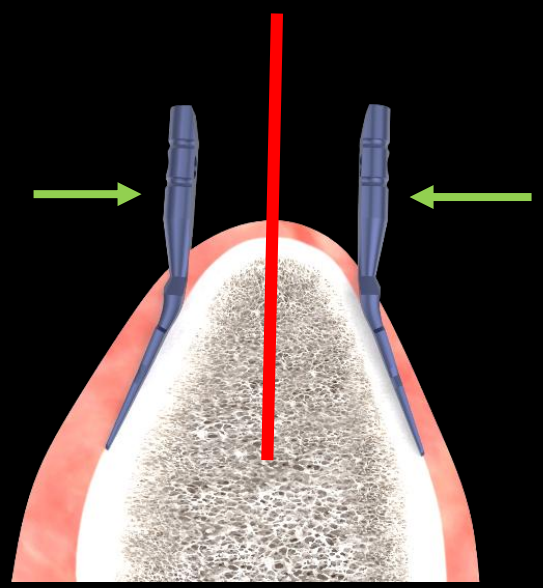


- Thin & Deep Thread Design

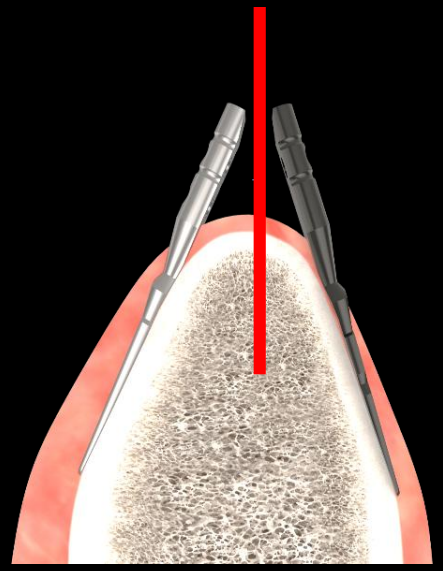
- Easy Implant placement
- Good Initial Stability
- Bone-Implant Contact area ↑
- Preserving alveolar bone
- Stability of Immediate loading



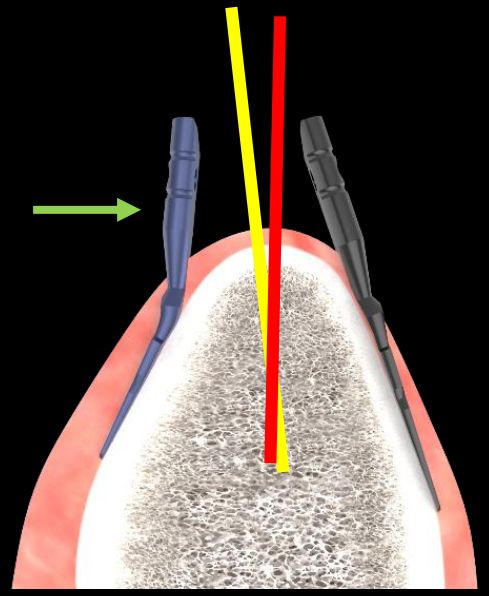
Pin Guide System



Planning



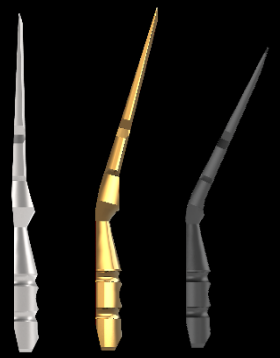
Mapping



Planning

Components of Pin Guide System

- Guide Pin



- Pin Holder

- Blade Marker

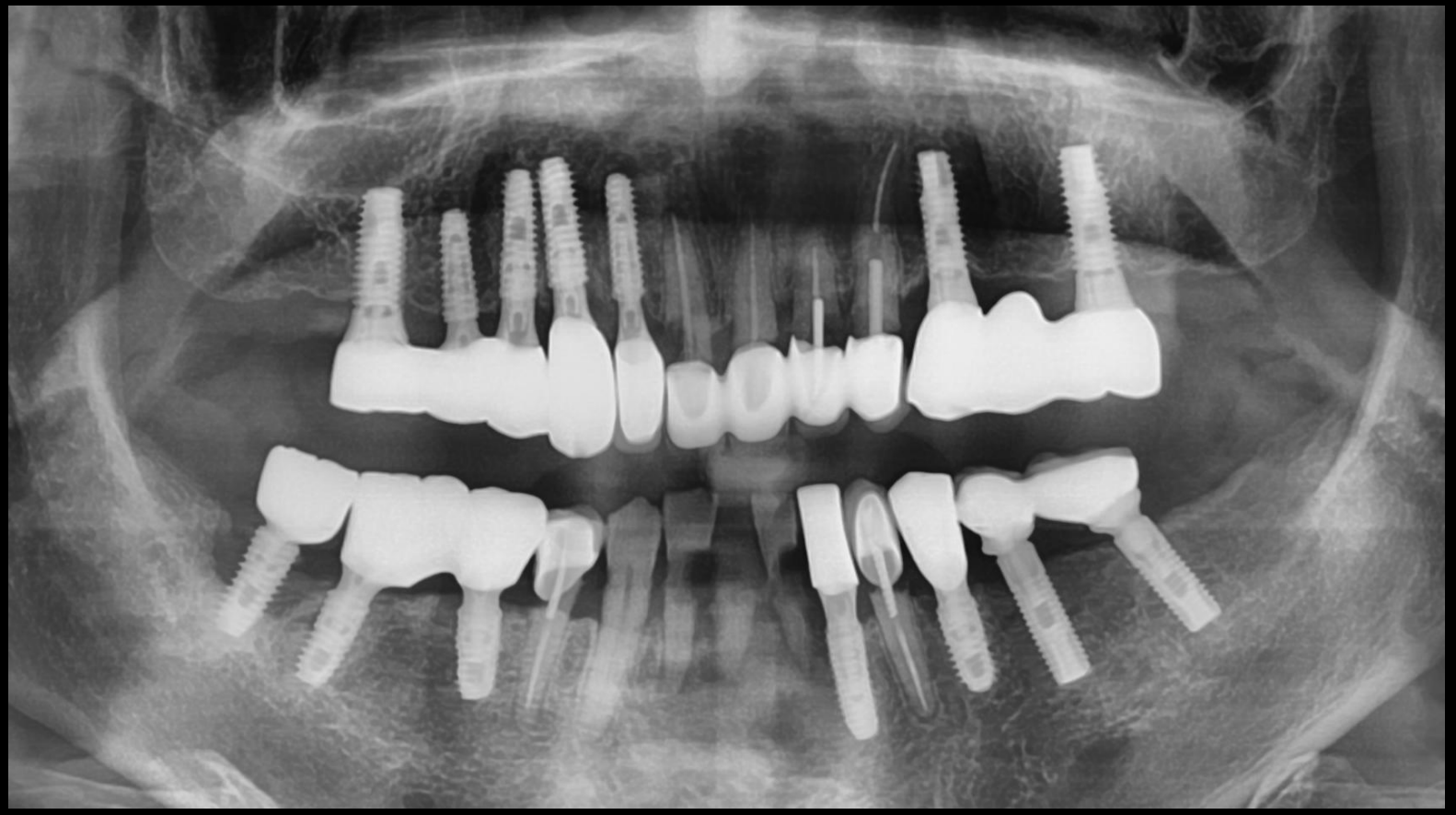
- Point Marker

- Round Bur

- Guide Drill

Similar case

Immediate Implantation on Mandibular Anterior Area Using Pin Guide



Similar case

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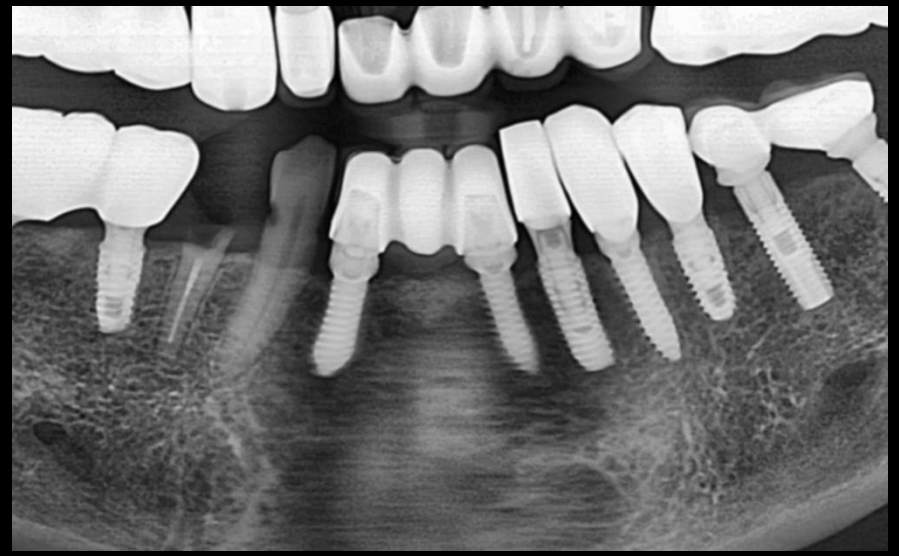
Post-op



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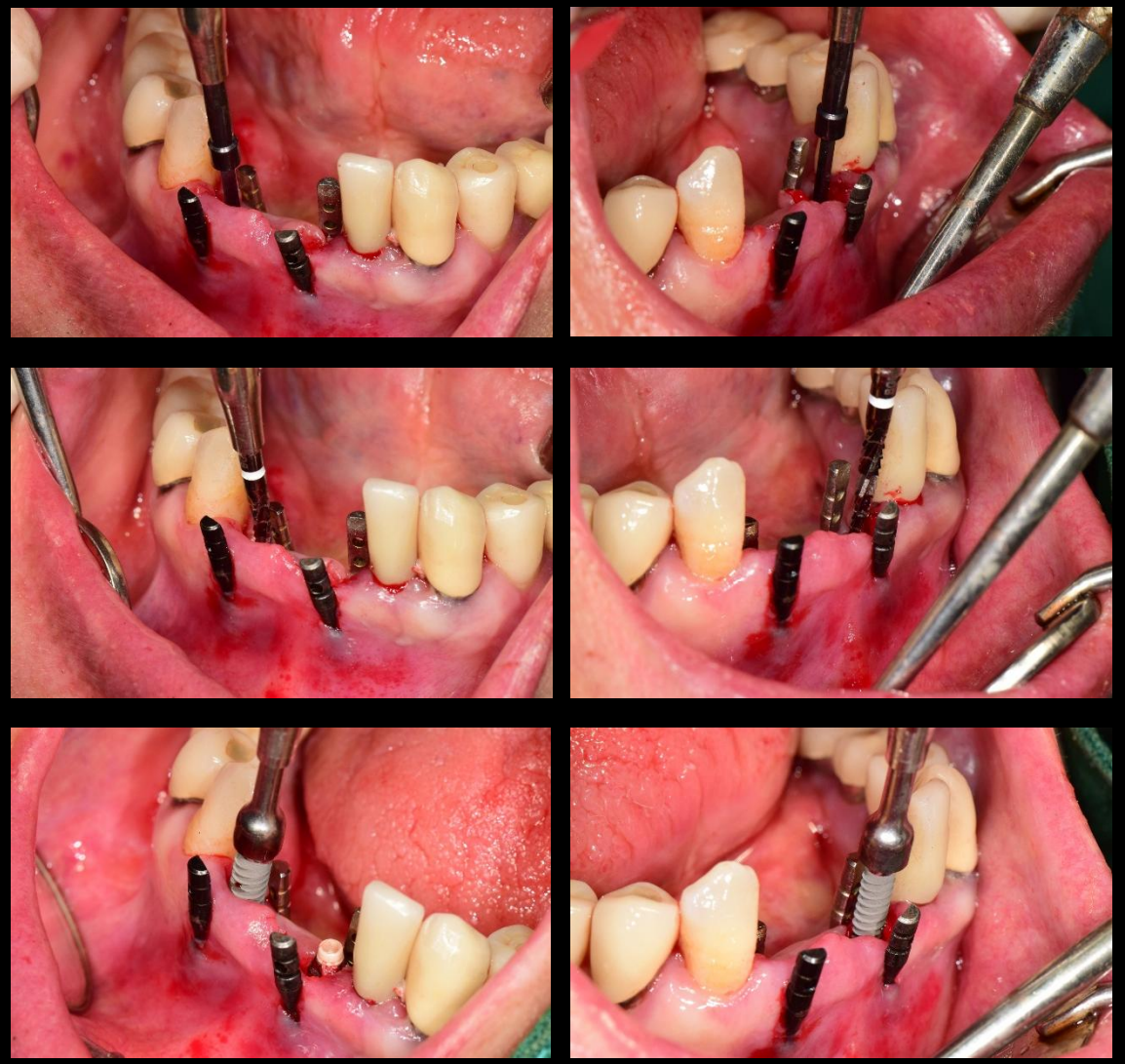

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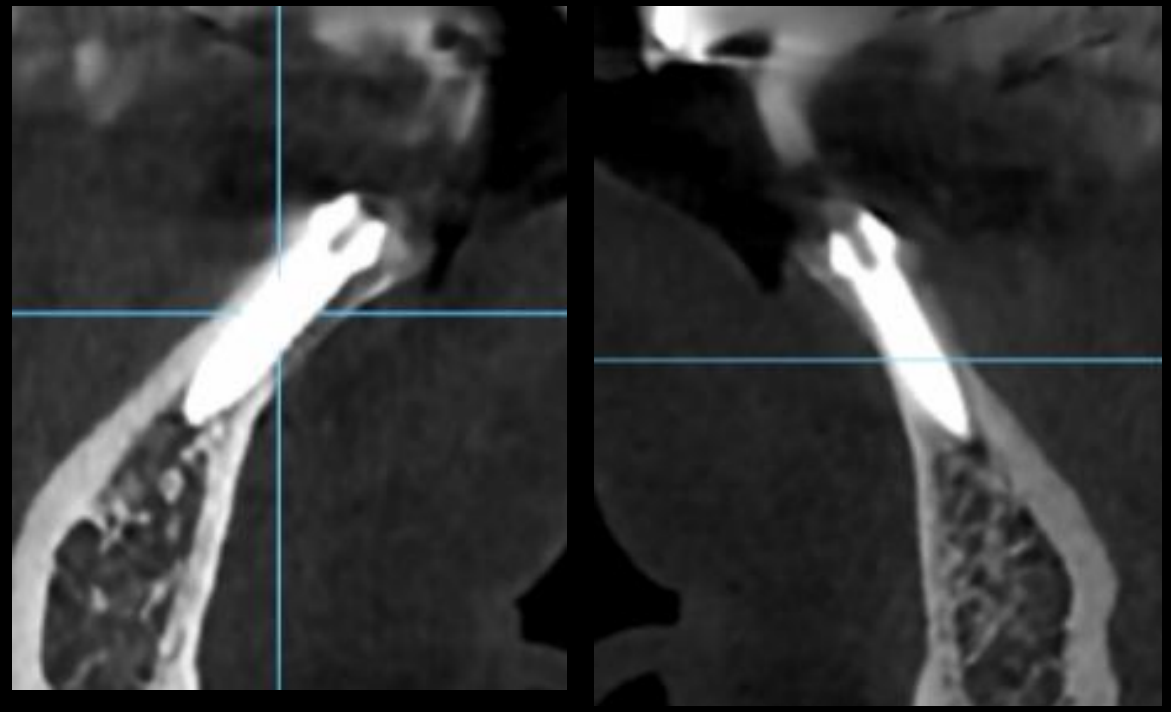
Post-op