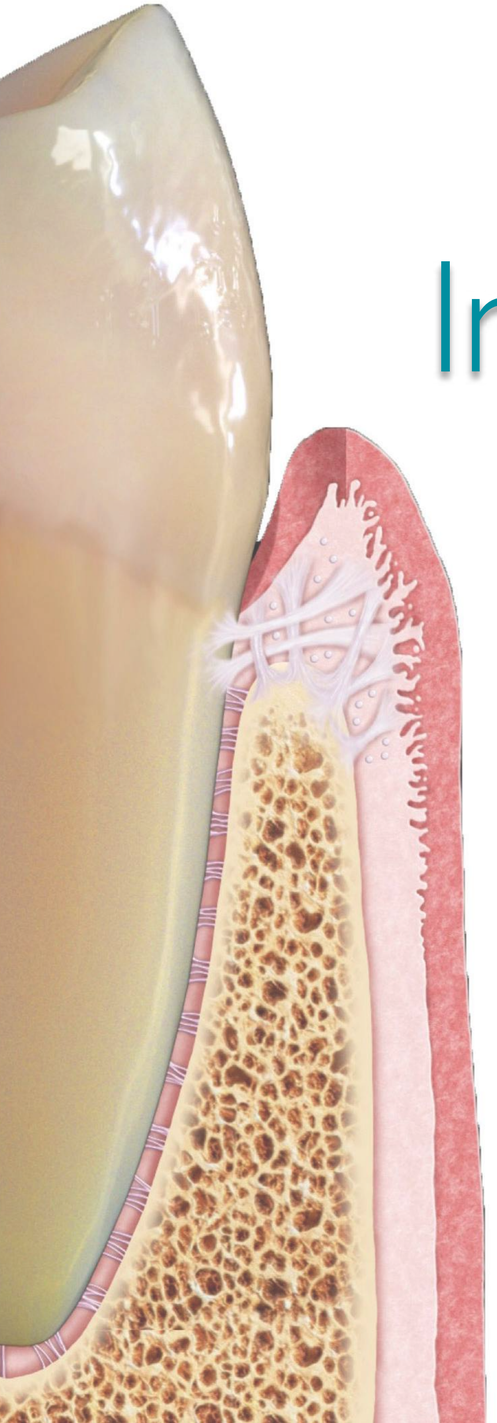
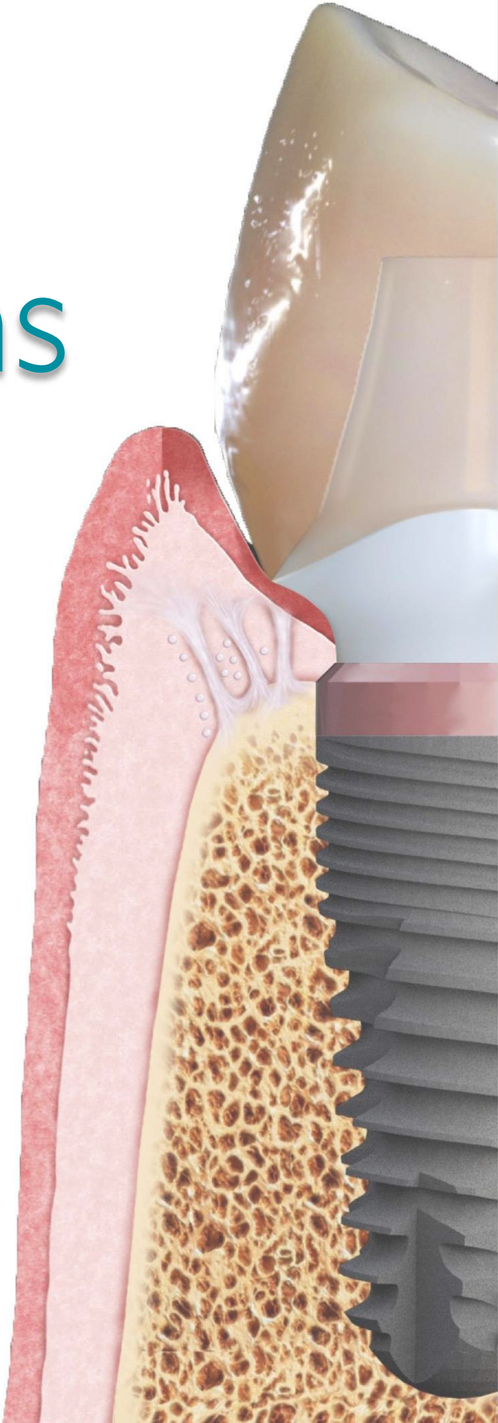


Integrating Digital Solutions into Implant Therapy

From Scan to Insertion



Objectives

1. Integration to a digital workflow
2. Hands-on experience
3. Surgical & restorative instrumentation
4. Digital workflow outsourcing

Stations 1 & 5

Pre-Treatment Scanning
& Implant Scanning

Station 2

Planning

Station 6

Finalization
& Insertion

Station 4

Instrumentation

Station 3

Design & 3D
Printing/Milling

Station 1

Pre-Treatment Scanning

Scanning tips

Hands on trial

Task delegation

Station 1 Tips
Pre-Treatment Scanning

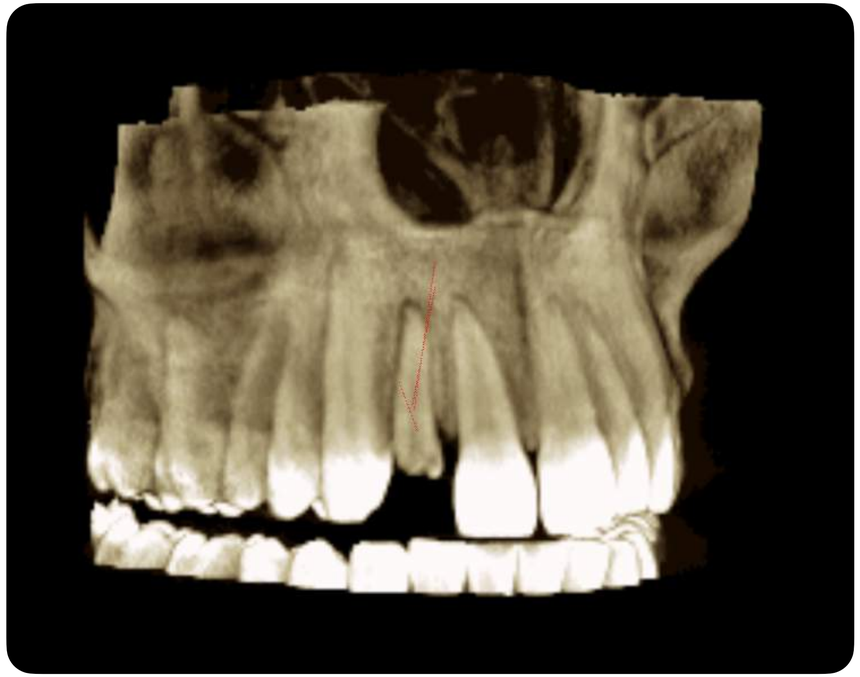
Intraoral scanning

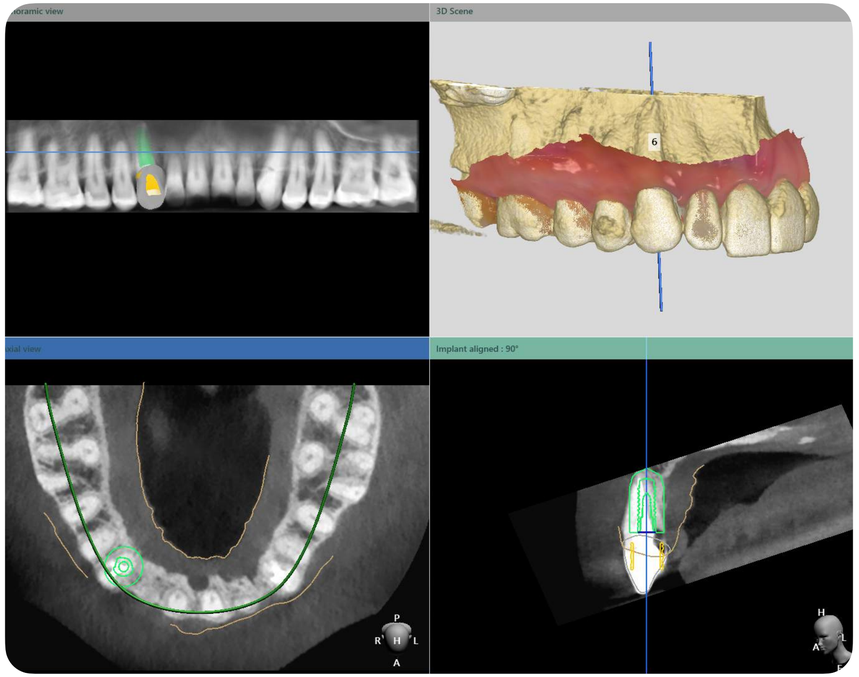
- Sit the patient upright when scanning the bite for a more accurate occlusion
- Let the patient rinse with cool water first for less fogging of the scanner lens
- Delegate scanning to your assistants & hygienists

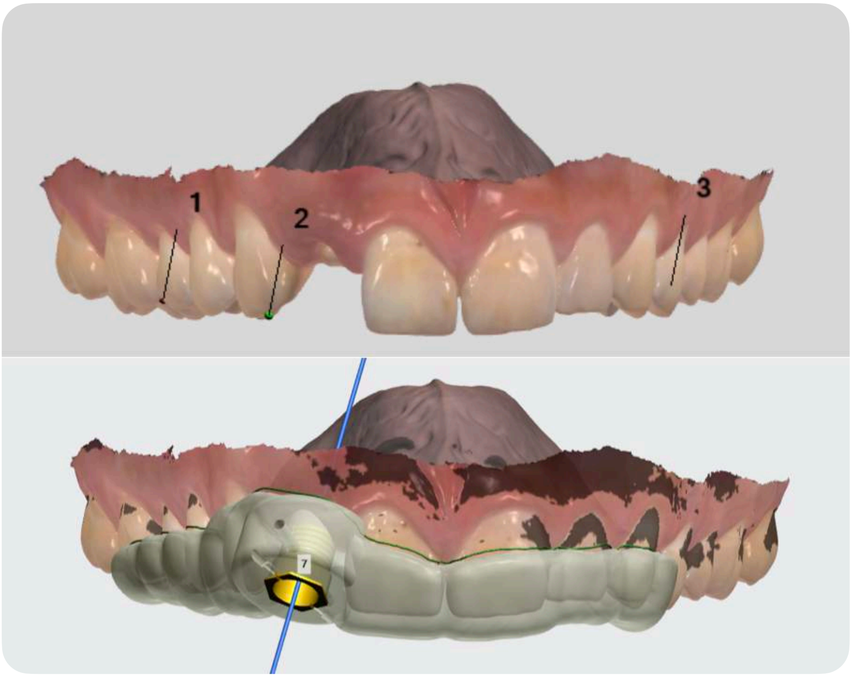
CBCT

- Take CBCTs with an open bite to prevent overlap
- Try to minimize scatter and consider provisionalization prior to taking a CBCT
- Take a scout film if necessary to prevent retaking the radiograph(s)

Station 2
Planning







CBCT merging

Implant planning

Design practice

Station 2 Tips
Planning

Intraoral scanning

- Make sure your scans don't have holes & missing data
- Confirm the articulation is correct
- Don't rely on quadrant scans - always scan the full mouth & bite

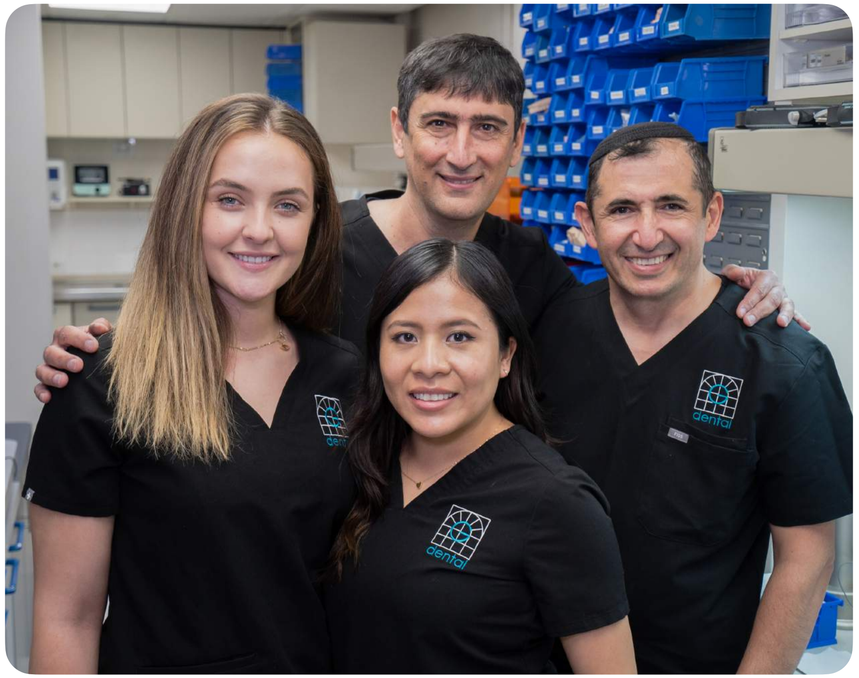
CBCT

- Make sure your scans are of diagnostic quality
- Consider reviewing your scans with the lab as well
- The doctors must make all final design decisions

Station 3

Design & 3D Printing/Milling

Live 3D printing



Lab perspective

Equipment demo

Station 3 Tips
Design & 3D Printing/Milling

- When planning a case, print a cast for reference to minimize chair time
- Understand what your lab needs from your intraoral scans
- Rely on your technology manufacturer's tech support
- Invest in a small 3D printer for your office if you don't have a lab onsite

Station 4

Instrumentation

Surgical Guides

Genesis Kits

Organizational Tips

Station 4 Tips
Instrumentation

Instrumentation

- Planning for guided surgery is important - make sure your data is accurate
- Keyless system = easier guided surgery with a more predictable outcome
- Order from your stock: keep your inventory up to date

Organization & Management

- Keep an heir and a spare of everything & everyone
- Centralize your tasks and cross-train your staff to support each other
- Get creative with your organization and label everything

Station 5

Implant Scanning

Single implant

Multiple implants

Complete arch

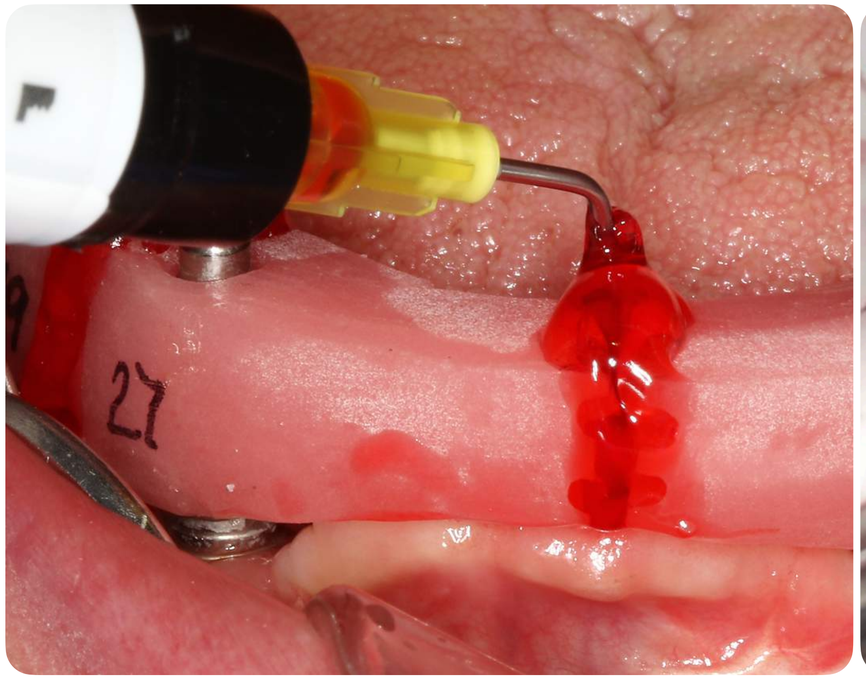
Station 5 Tips
Implant Scanning

- Understand scan body placement and positioning
- Consider copying existing scans to minimize chair time
- Full arch cases are more successful than ever
- Separate scan bodies for fixture level and abutment level scans
- Practice, practice, practice!

Station 6

Finalization & Insertion

Pearls for success

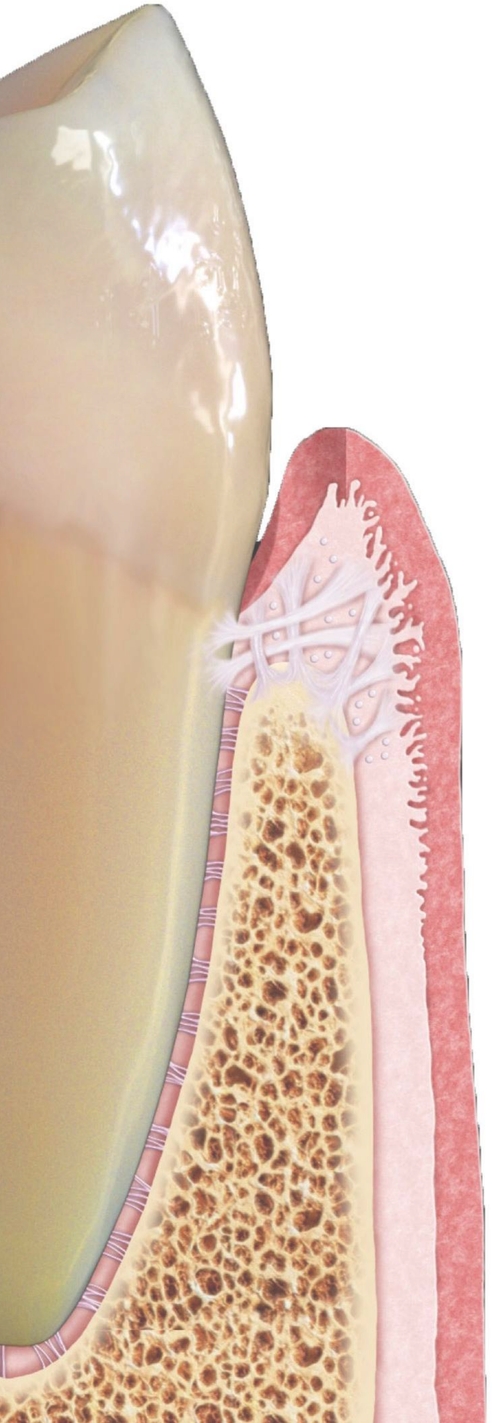


Materials review

Insertion demo

Station 6 Tips
Finalization & Insertion

- Ti base cementation
- Screwmentable prosthesis cementation - importance of cement removal
- Try-in and verification of implant prosthesis seating with radiographs
- Sealing of access openings with an FDA approved PTFE material
- Provisional vs permanent access closure



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