

Complete oral rehabilitation using implant therapy and immediate occlusal loading

CT guided implant surgery and immediate provisionalization. The state of the art



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Patient data

- 73 year old Caucasian female with a failing dentition. Chief complaint of wanting dental implants and the confidence to smile again.
- Multiple teeth recently extracted by her general dentist due to infections.
- Has only received sporadic dental care recently. Teeth are now beginning to hurt.
- **Primary motivation:** Wants to be able to smile in front of her grandchildren without feeling embarrassed or ashamed. Wants to be able to eat, smile and laugh with self confidence.



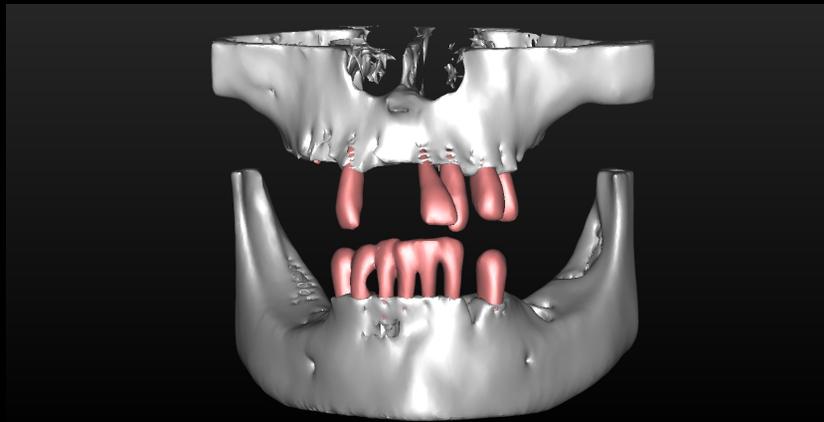
Initial Exam

3 weeks post extraction of hopeless teeth by her general dentist

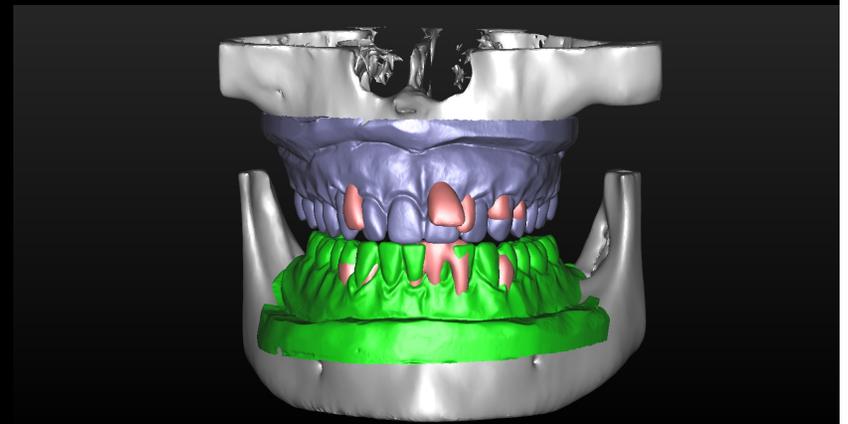


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Original CBCT Imaging and Tooth Position

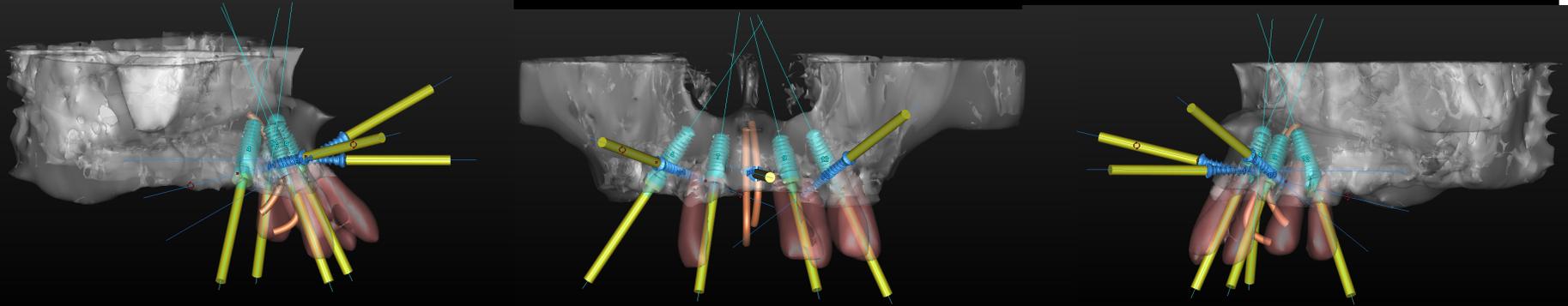


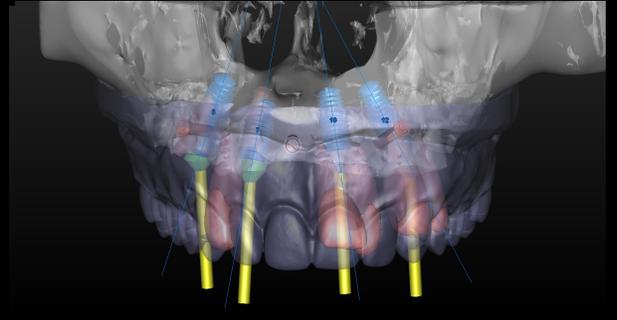
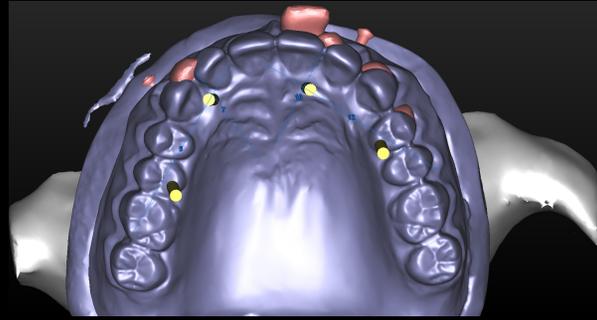
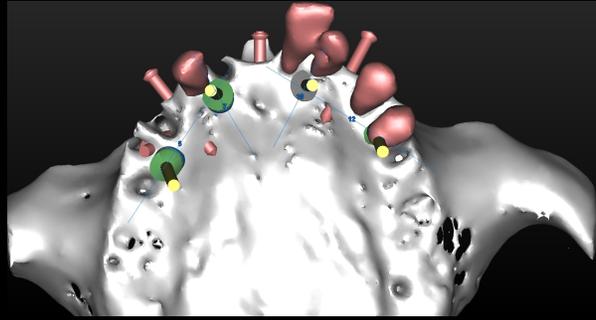
Immediate denture and tooth set up interfaced to CBCT



Maxilla

3D TREATMENT PLANNING

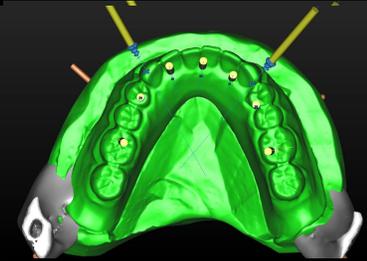
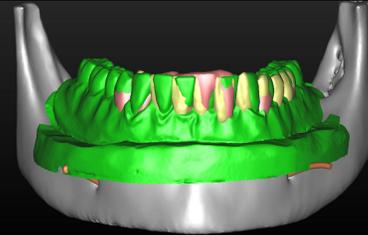
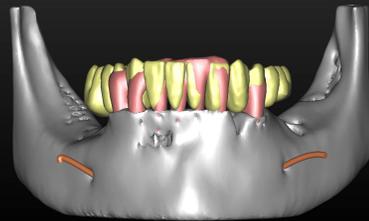
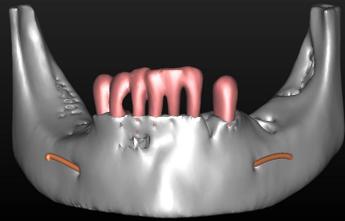




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Mandible

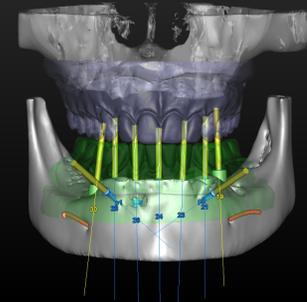
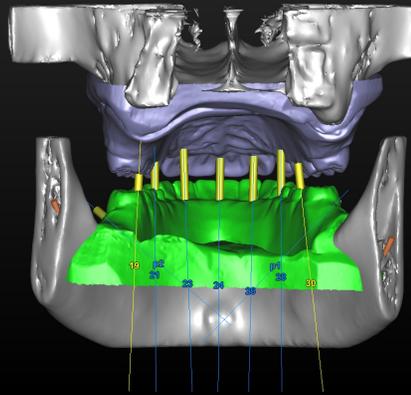
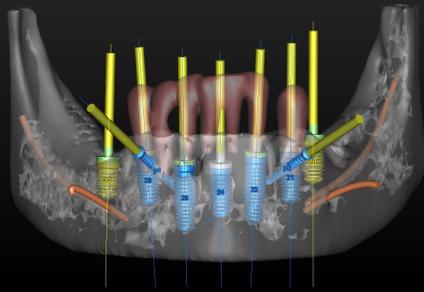
3D TREATMENT PLANNING



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Mandible

3D TREATMENT PLANNING



MEDICAL MODELING





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5 weeks post op



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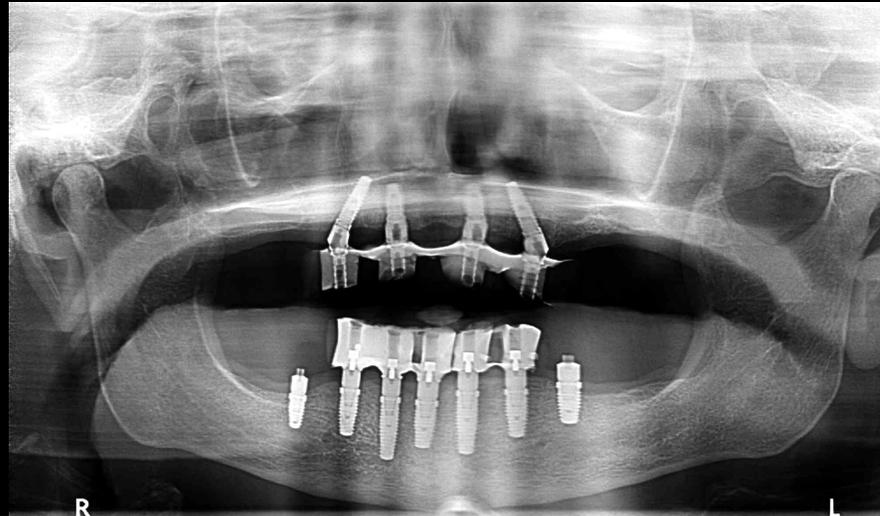
Post Surgical Prosthetic Phase

3-5 appointments needed

1. Impressions and wax up
2. Alignment jig to check original case set up
 - re-set, if needed
3. Bar try-in with tooth set up
 - evaluate tooth position, lip support, phoenetics, occlusion
 - re-set, if needed
4. Delivery of final prosthesis and any follow up care



5 weeks post surgical Panorex



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Final Prosthetic Outcome



Restorative Doctor: **Patrick Pendleton, DDS (Western Springs, IL)**

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