

#3

Rehabilitation of an edentulous lower jaw presenting reduced residual bone crest with Anthogyr Mini Implant System

Dr Sergio SALINA
Italy

Mini Implant
SYSTEM

Anthogyr
A Straumann Group Brand



DR SERGIO SALINA

Italy



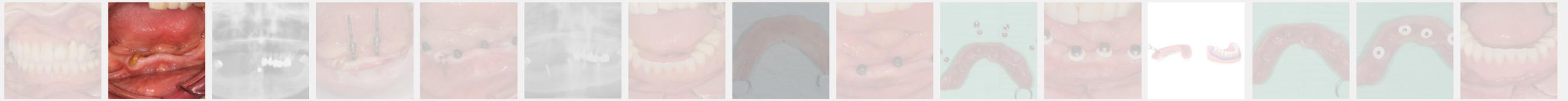
1. Initial situation.

Carla, a non-smoker and non-diabetic 74-year old female patient presented with severe grade of multiple sclerosis and rheumatoid arthritis.

The patient was cared sit in her wheelchair. During last 30 years, she lost great part of her lower dentition, except the 3rd molar. The upper jaw is including an old bridge and a removable overdenture.

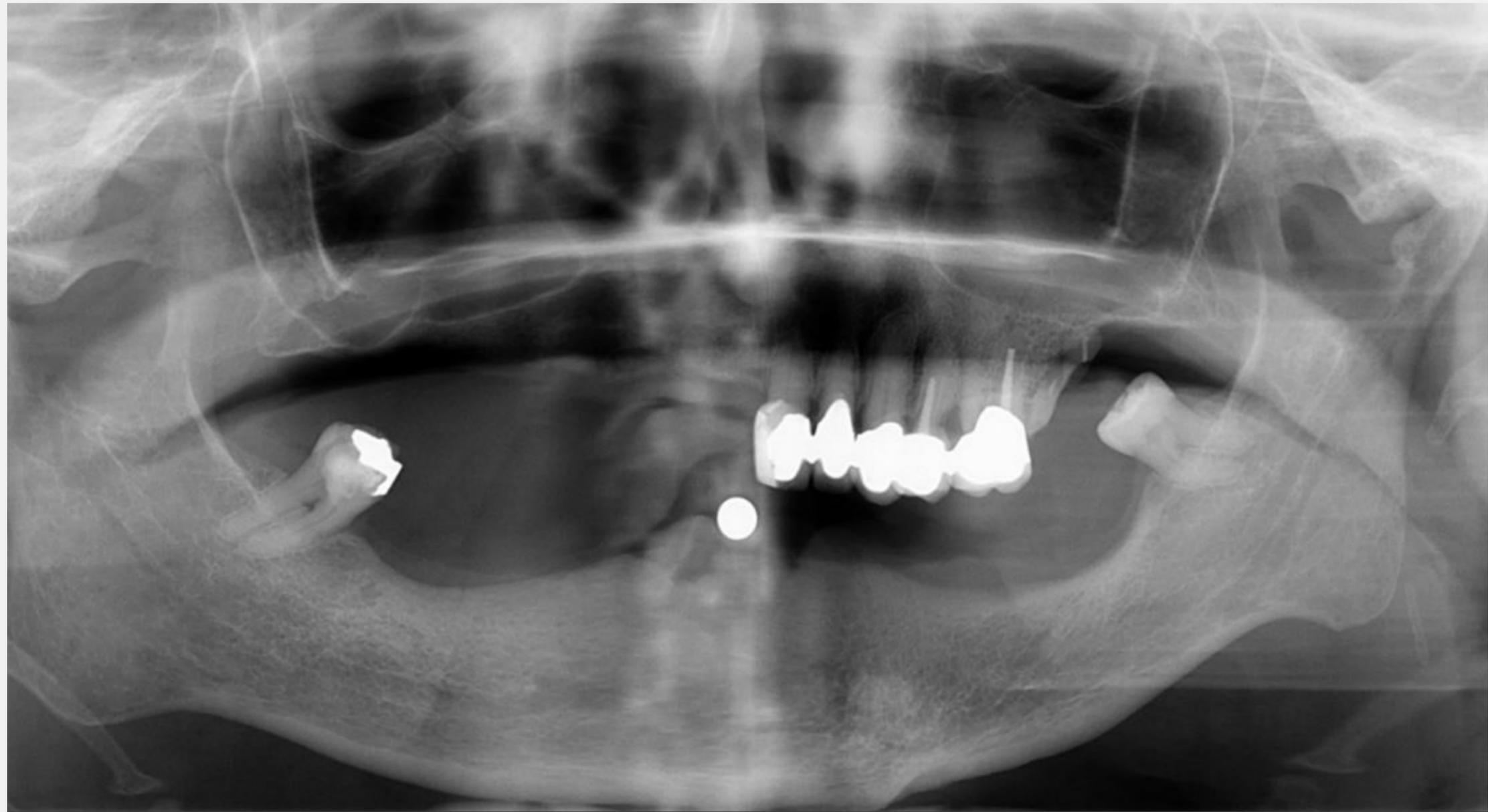
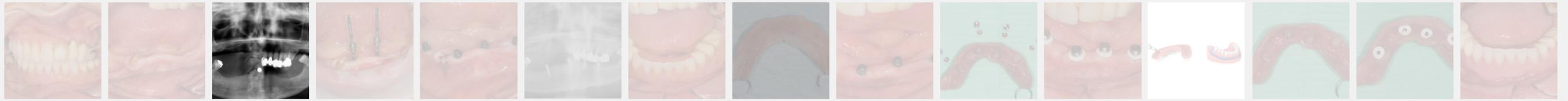
The project, taking into account the critical economic condition of the patient, was to extract the root 43 and to insert 4 Mini Implants in the lower jaw, in accordance with a digital planning based on her CBCT scan.





2. Pre-operative view of the edentulous mandibular crest.





3. Pre-operative panoramic X-ray.

Mini Implant SYSTEM

Initial
situation



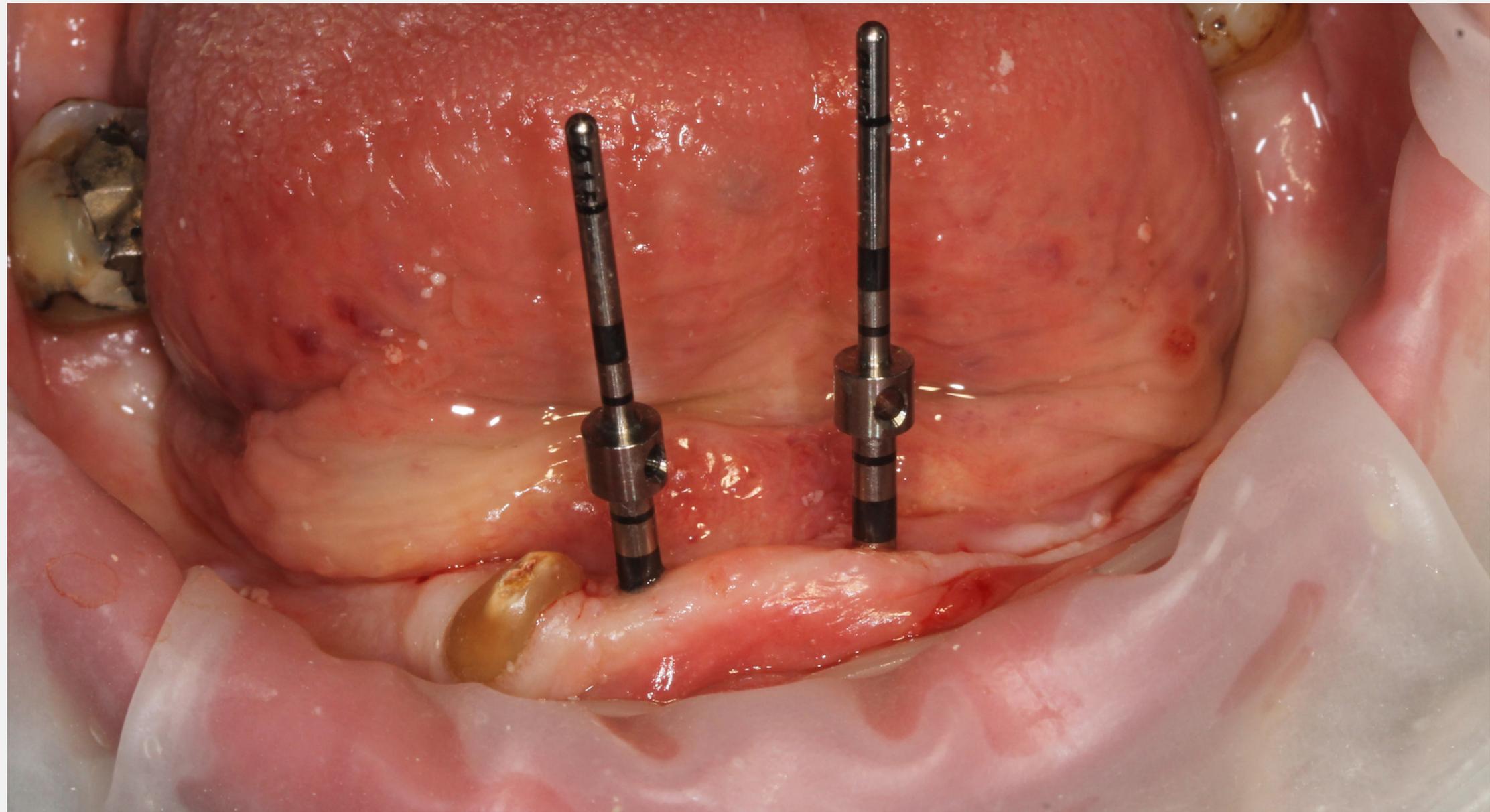
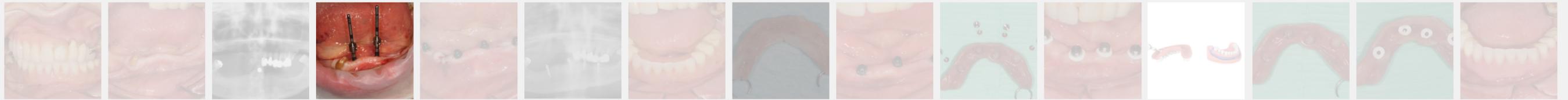
Surgery



Prosthetic
restoration

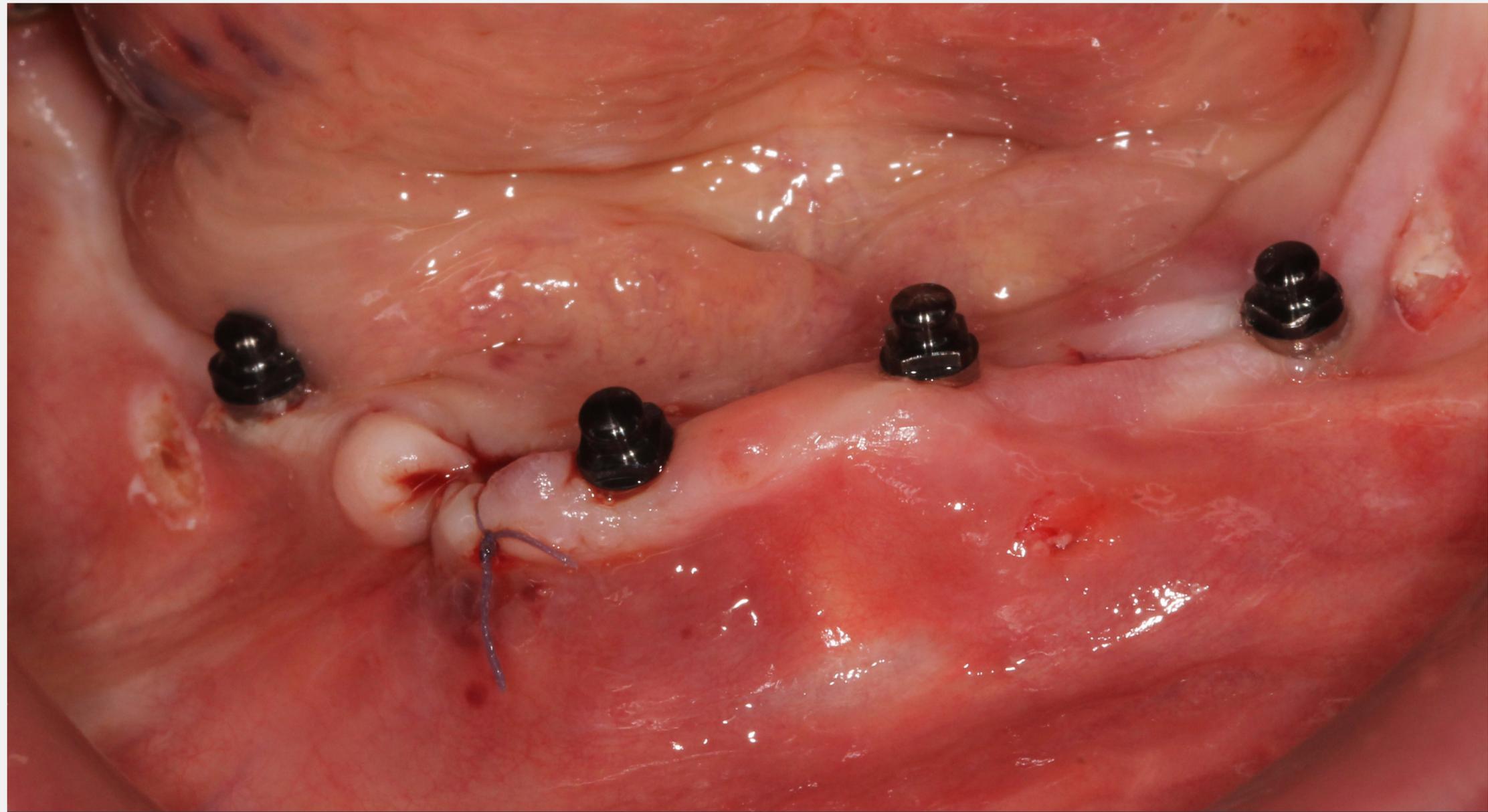
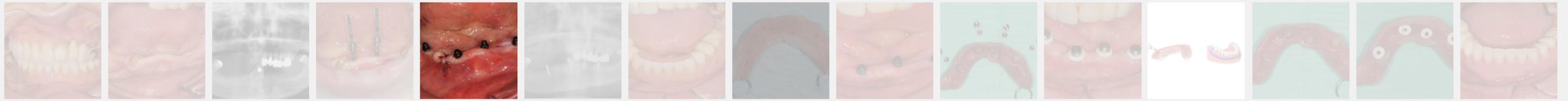


Final
situation



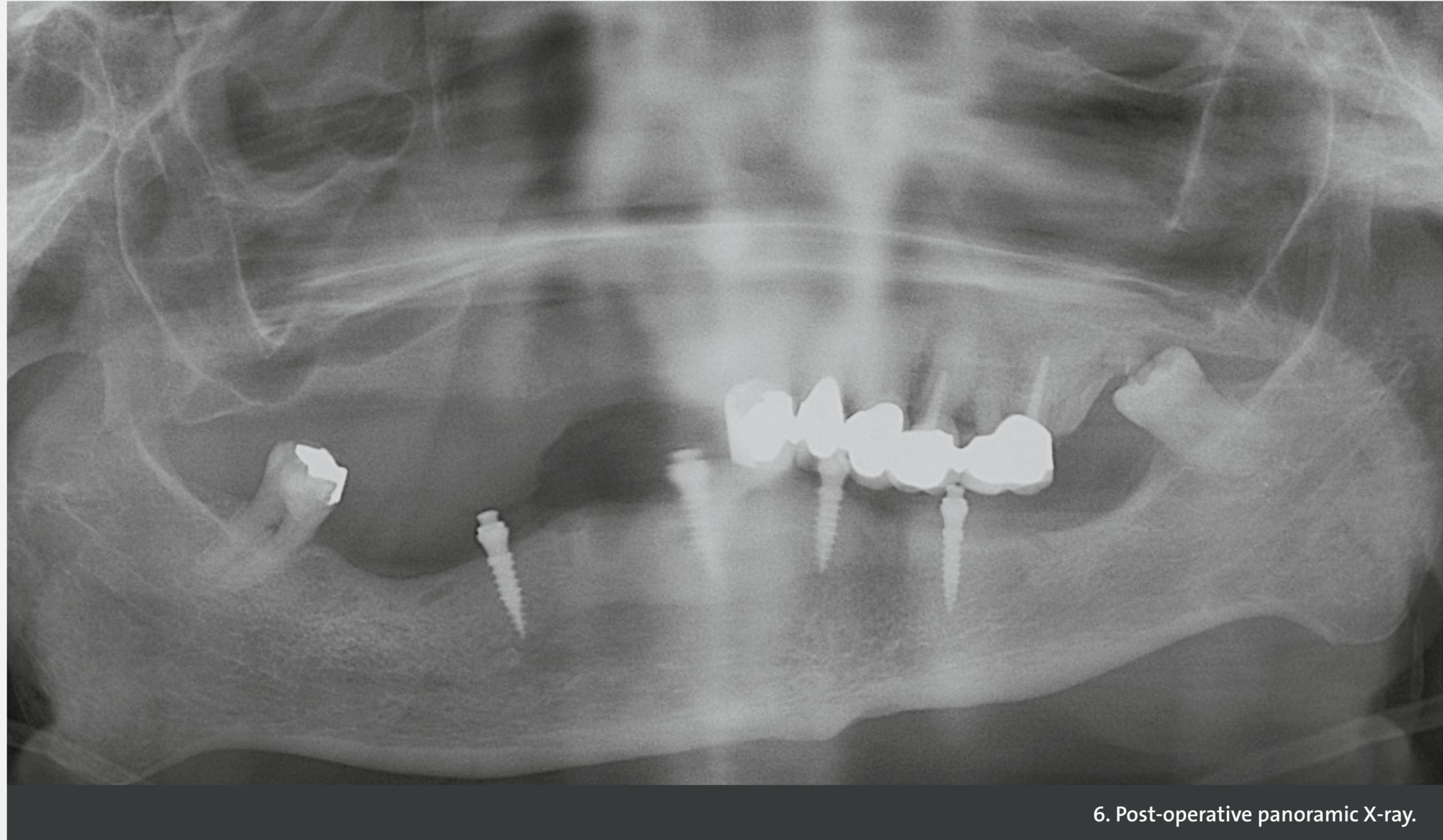
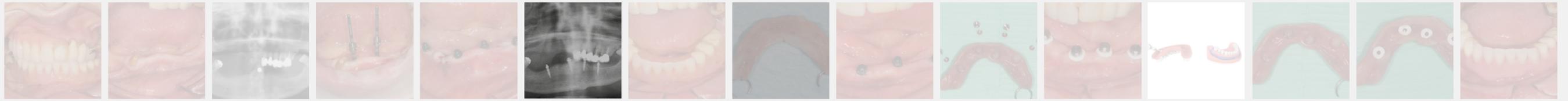
4. Use of the depth and alignment gauge to check the correct placement of the drilling and alignment for the 2 first implant sites.





5. Post-operative picture following placement of 4 Mini Implants.





6. Post-operative panoramic X-ray.

Mini Implant SYSTEM

Initial
situation



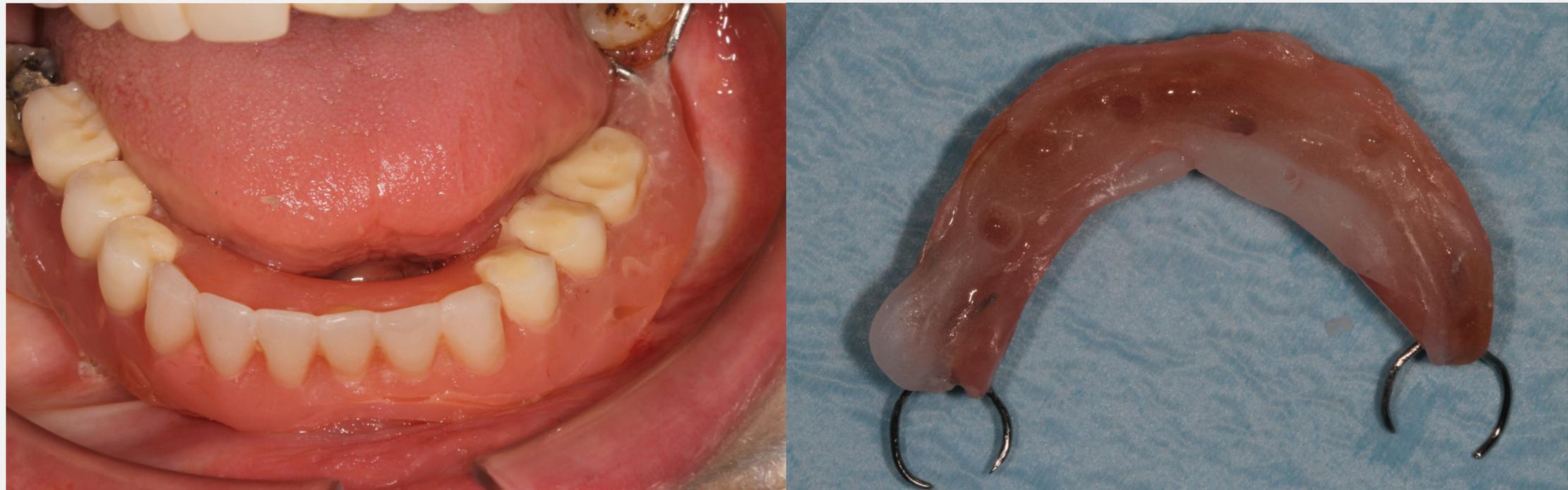
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Prosthetic
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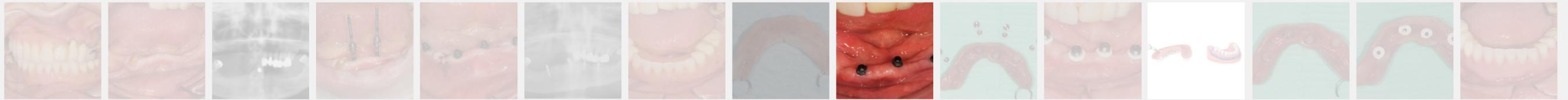


Final
situation



7 & 8. Immediate post-operative situation following surgery: existing denture adaptation with soft relining material.





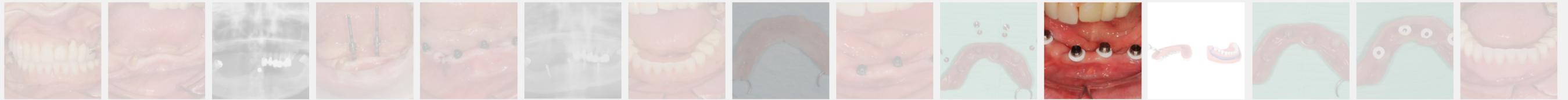
9. Mini Implants follow-up at 30 days following surgery.





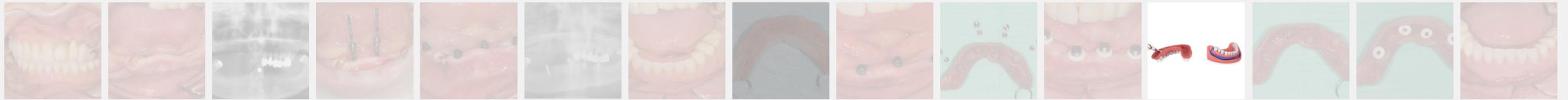
10. Checking of the Optiloc® retention components and denture adaptation. Red-color extra-light retention inserts will be placed initially.





11. Preparation of Mini Implants for definitive denture relining and installation:

- mounting collars are placed on each Optiloc® connection to protect the implant neck from any resin or adhesive residue.
- matrix housings including retention inserts are then placed and exert a slight compression between the mounting collar and the matrix housing.



12a. The base of the existing denture is excavated in the areas where the Optiloc® matrix housings will be located, using a contra-angle and a resin bur.



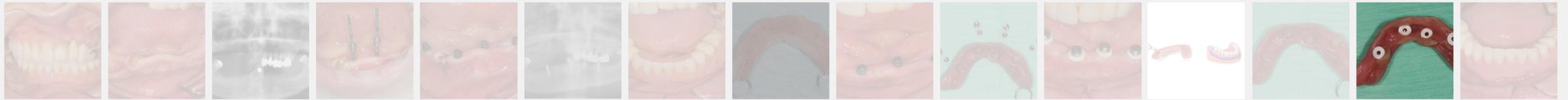
12b. A silicone impression is taken to confirm that there is sufficient space between the matrix housings and the base of the prosthesis.





13. Denture prepared with cavities, using a monomer, for placement on the matrix housings.





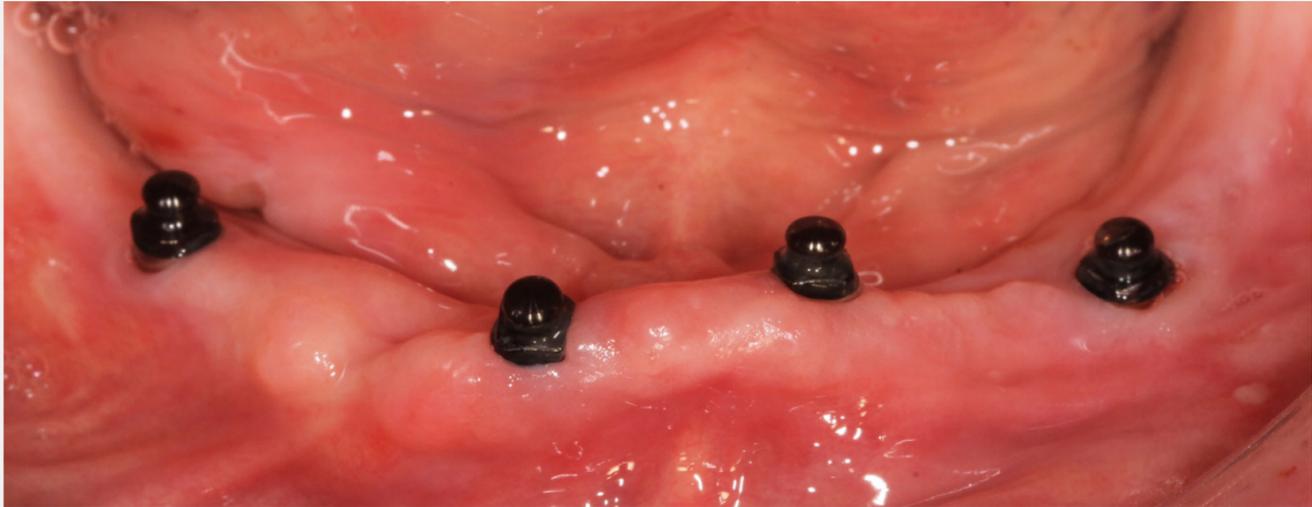
14. After final positioning and occlusion check, the denture, with settled matrix housings, is ready for mounting collars removal and finishing.





Conclusion

The Anthogyr Mini Implants System was optimal for rehabilitating this patient with disability problems in a simple and effective way.



15. Final clinical situation with the removable denture successfully stabilized by Optiloc® system on Anthogyr Mini Implants.



Testimonial from Dr Sergio Salina

- **What were your expectations from Anthogyr Mini Implant System?**

An affordable, less invasive, friendly use solution for all patients who cannot receive rehabilitations supported by conventional implants, for anatomical or economic reasons, or for poor general health conditions. In this sense, my expectations have been fulfilled by this Anthogyr system.

- **What major clinical indications led you to take interest in the Anthogyr Mini Implant System?**

The main indication is for elderly and special patients who need to anchor their removable prosthesis and have sufficient residual bone crest to receive a minimum implant size of 10 mm in length and Ø2.6 mm in width.

- **How does the Anthogyr Mini Implant System offer new treatment possibilities for edentulous patients?**

The new Anthogyr Mini Implant System is much more solid and reliable than the old and conventional mini implants which I have used so far. The Optiloc® retentive connection is very compact and performant.

- **How do you rate the surgical protocol for these implants?**

Easy and less invasive: in most patients, the procedure involves a flapless surgery, with short surgical times and with no or very little post-operative discomfort.

- **What is your feedback on the Optiloc® prosthetic system?**

Even if I do not have a long follow-up, my impression is very good. The Optiloc® retentive attachment performs much better than conventional ball attachment and it requires a minimum amount of space in the prosthesis, when compared to these systems.

- **Have you adopted the Anthogyr Mini Implant System as a key alternative treatment solution in your treatment panel?**

Absolutely yes, for all patients who need to support a removable denture and who cannot receive “conventional” implants.

- **What are the major benefits of the Anthogyr Mini Implant System, for you as a practitioner, and for your patients?**

This system is easy to use, fast, with excellent retentive connection, and in many cases also convenient, because it allows us to maintain the patient’s prosthesis with small and easy adaptations.



Courtesy of Dr Sergio SALINA



**Dr Sergio
SALINA**
Italy

- Dentistry Degree (1995) and Specialization in Oral Surgery with honors (2007) at University of Milan
- Advanced in Periodontology at University of Verona
- Teacher and Coordinator EMDOLA Master at University of Parma
- Active member of IAO (Italian Academy of Osseointegration)

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Please read the instructions and user manuals thoroughly.

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