



#1

Use of the Anthogyr Mini Implant System
to manage a case of failed maxillary implants

Dr Claude AUTHELAIN
France

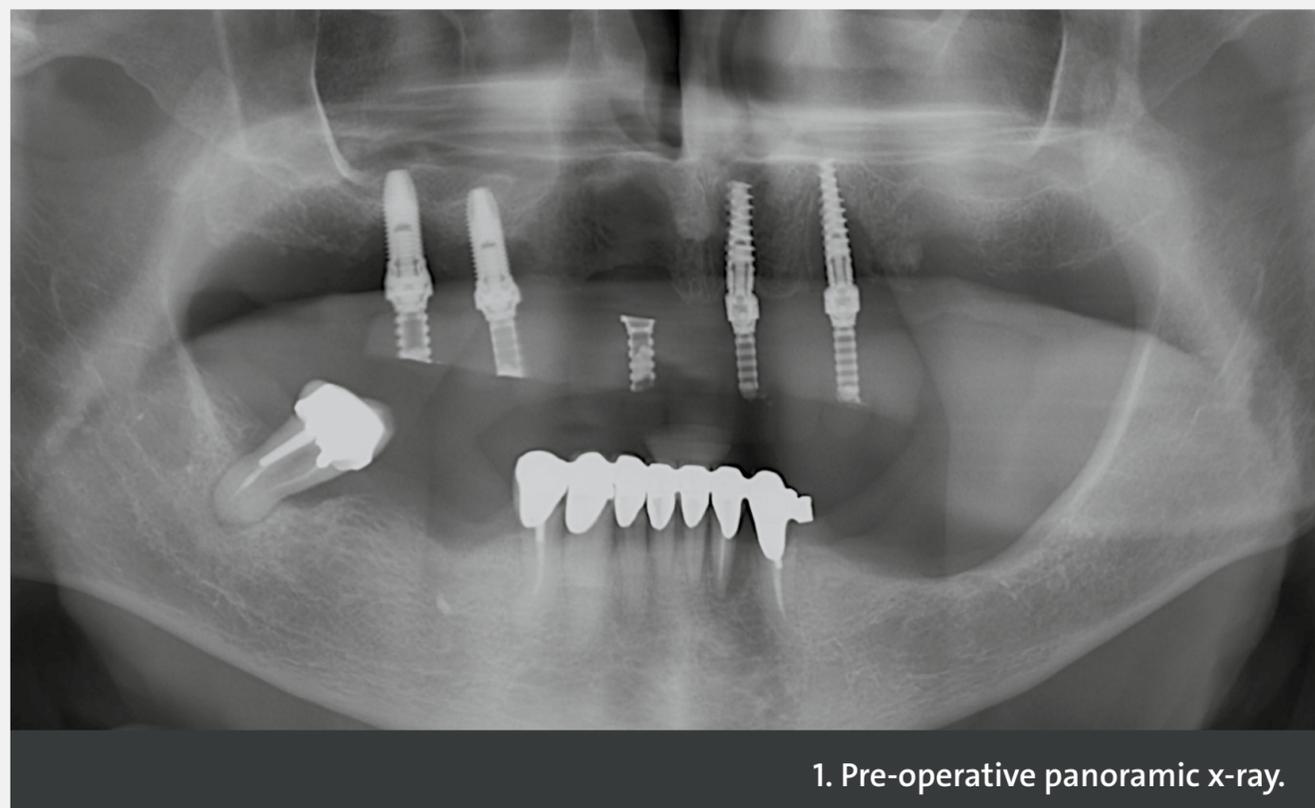
Mini Implant
SYSTEM

Anthogyr
A Straumann Group Brand



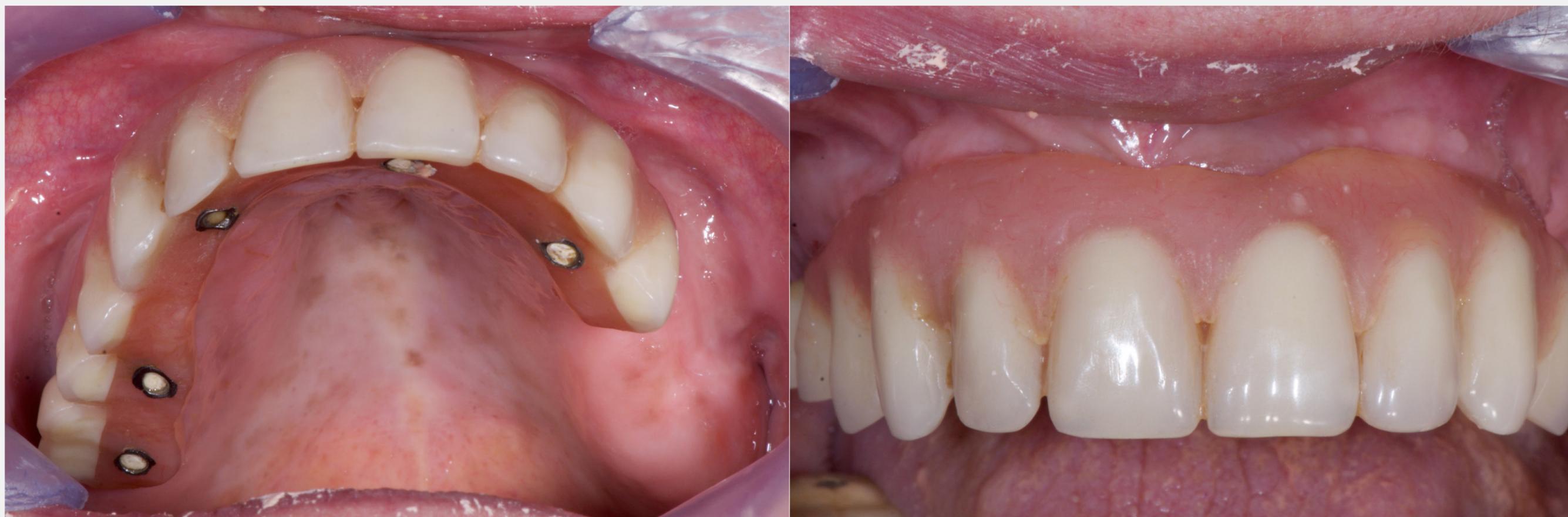
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The 72-year-old smoking patient presented a case of implant failure with an All-on-6 case that was treated 15 years ago. With advanced peri-implantitis, she has already lost two implants. The proposed treatment is a maxillary implant-stabilized removable overdenture solution.



1. Pre-operative panoramic x-ray.





2 & 3. The former All-on-6 that was placed 15 years ago after two failed implants.

Mini Implant SYSTEM

Initial
situation



Surgery



Prosthetic
restoration

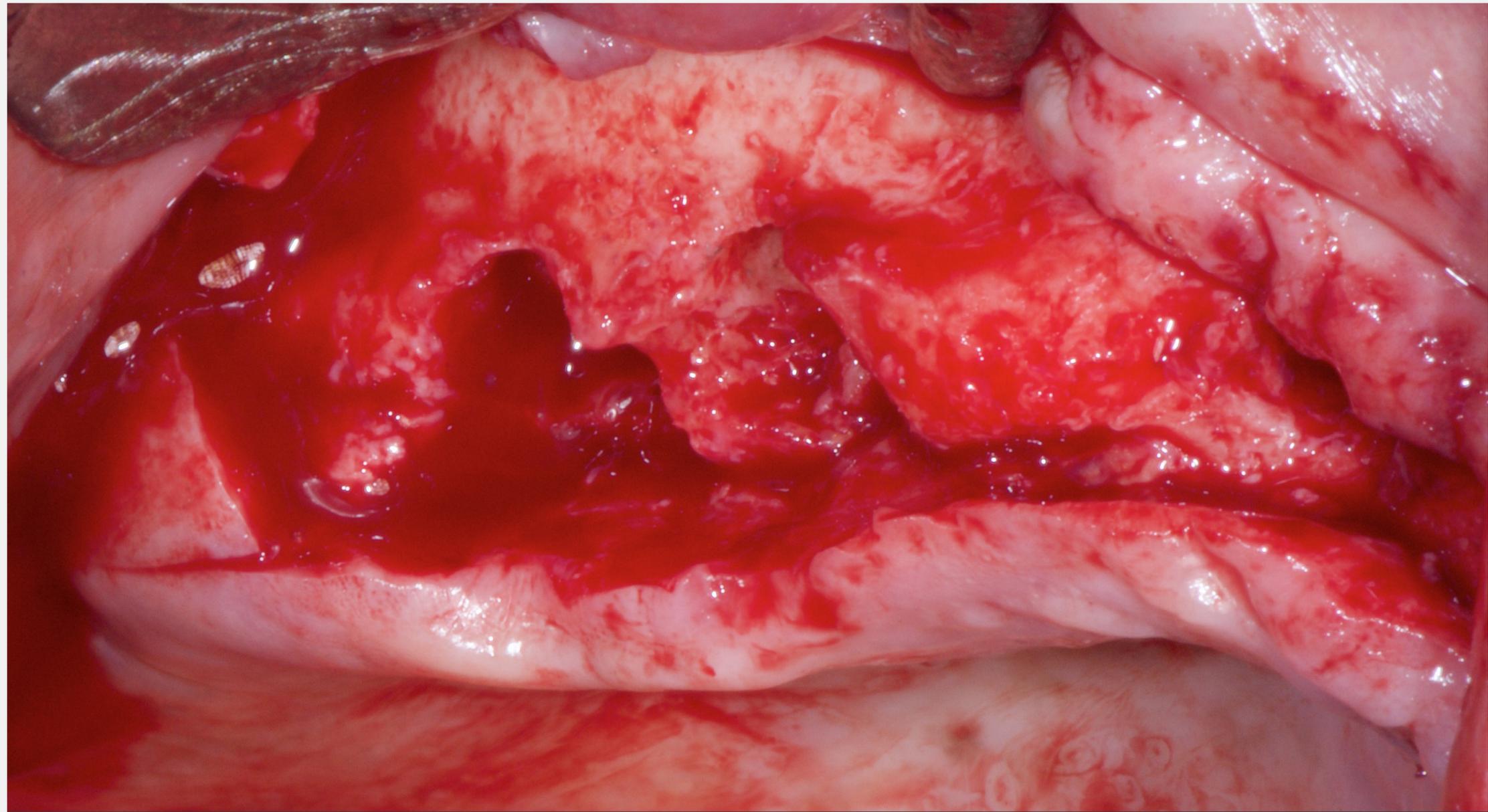


Final
situation



4. Residual implants on the day of surgery. The anterior implant will be re-embedded and the other two removed.





5. View of the bone crest after removal of the implants.





6. Mini Implant on the sterile implant holder.

Mini Implant SYSTEM

Initial
situation



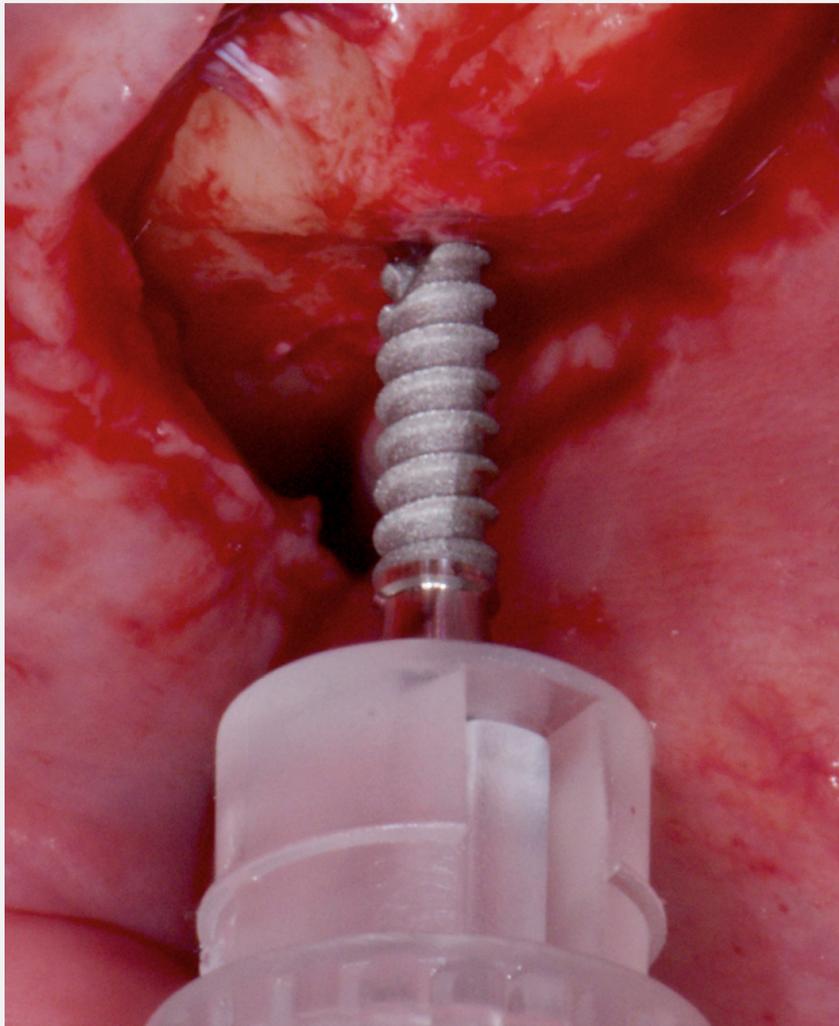
Surgery



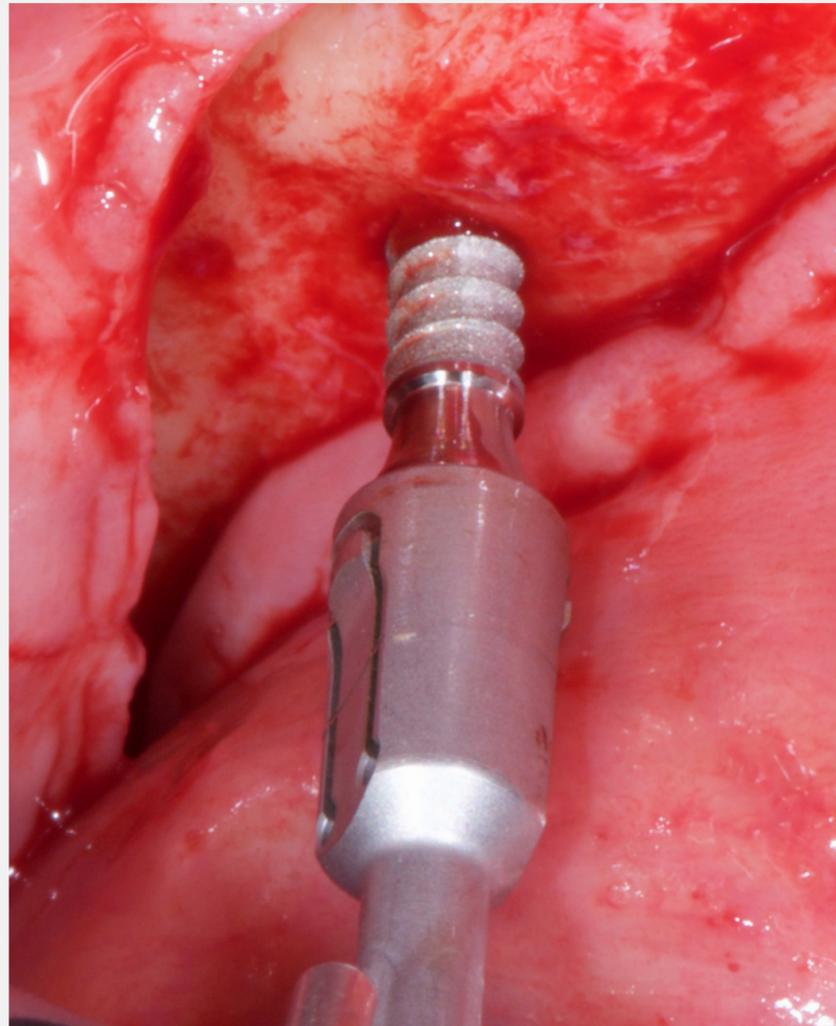
Prosthetic
restoration



Final
situation



7. The cap serves as initial implant holder.



8. The implants are screwed in using the special tightening mandrel.



9. The alignment of the implants is checked using the depth and alignment gauges included in the Mini Implant System surgical kit.

Mini Implant SYSTEM

Initial
situation



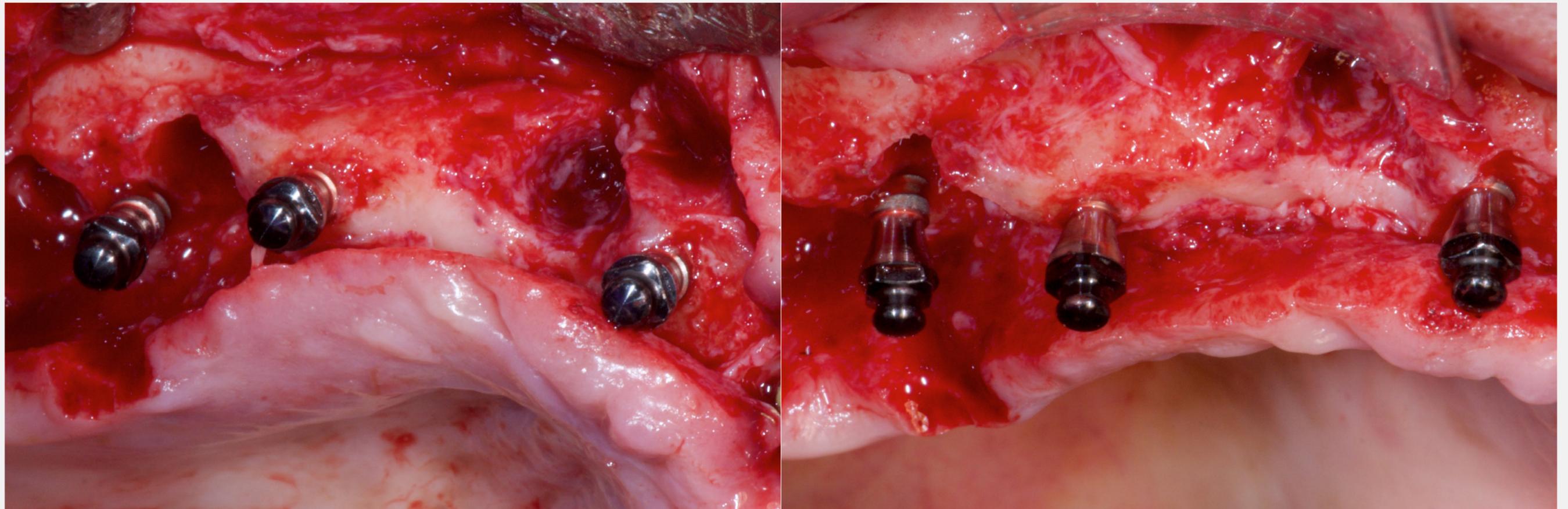
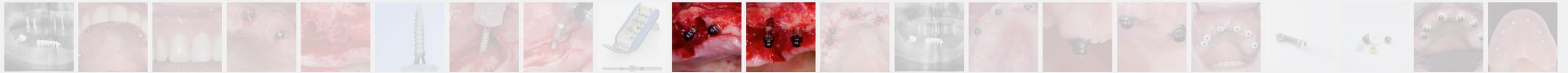
Surgery



Prosthetic
restoration



Final
situation



10 & 11. Mini Implants in place.

Mini Implant SYSTEM

Initial
situation



Surgery



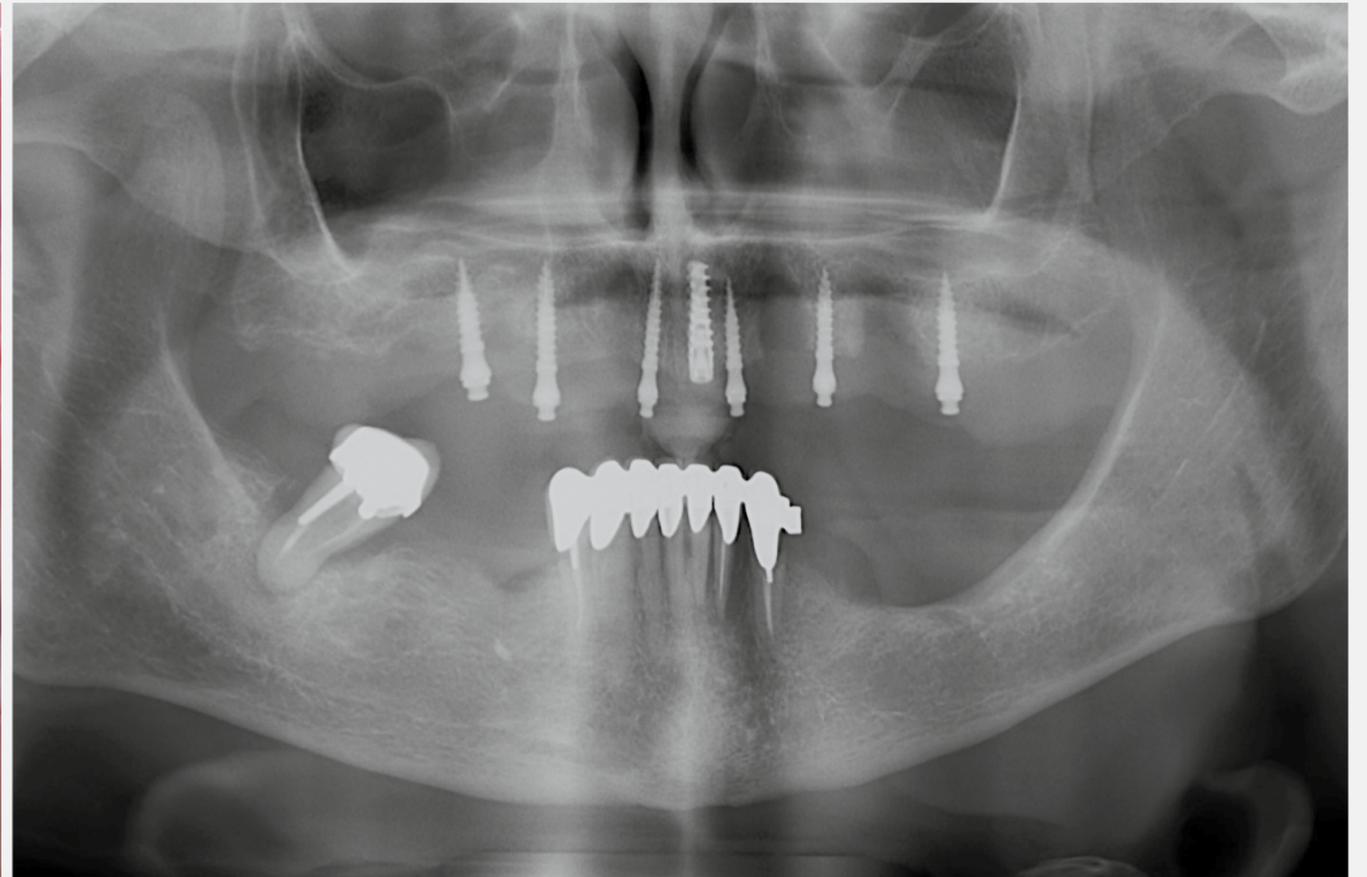
Prosthetic
restoration



Final
situation



12. Post-surgical situation.



13. Post-surgical x-ray.

Mini Implant SYSTEM

Initial
situation



Surgery



Prosthetic
restoration



Final
situation



14, 15 & 16. Gingival healing 3 months after the placement of the Mini Implants.

Mini Implant SYSTEM

Initial
situation



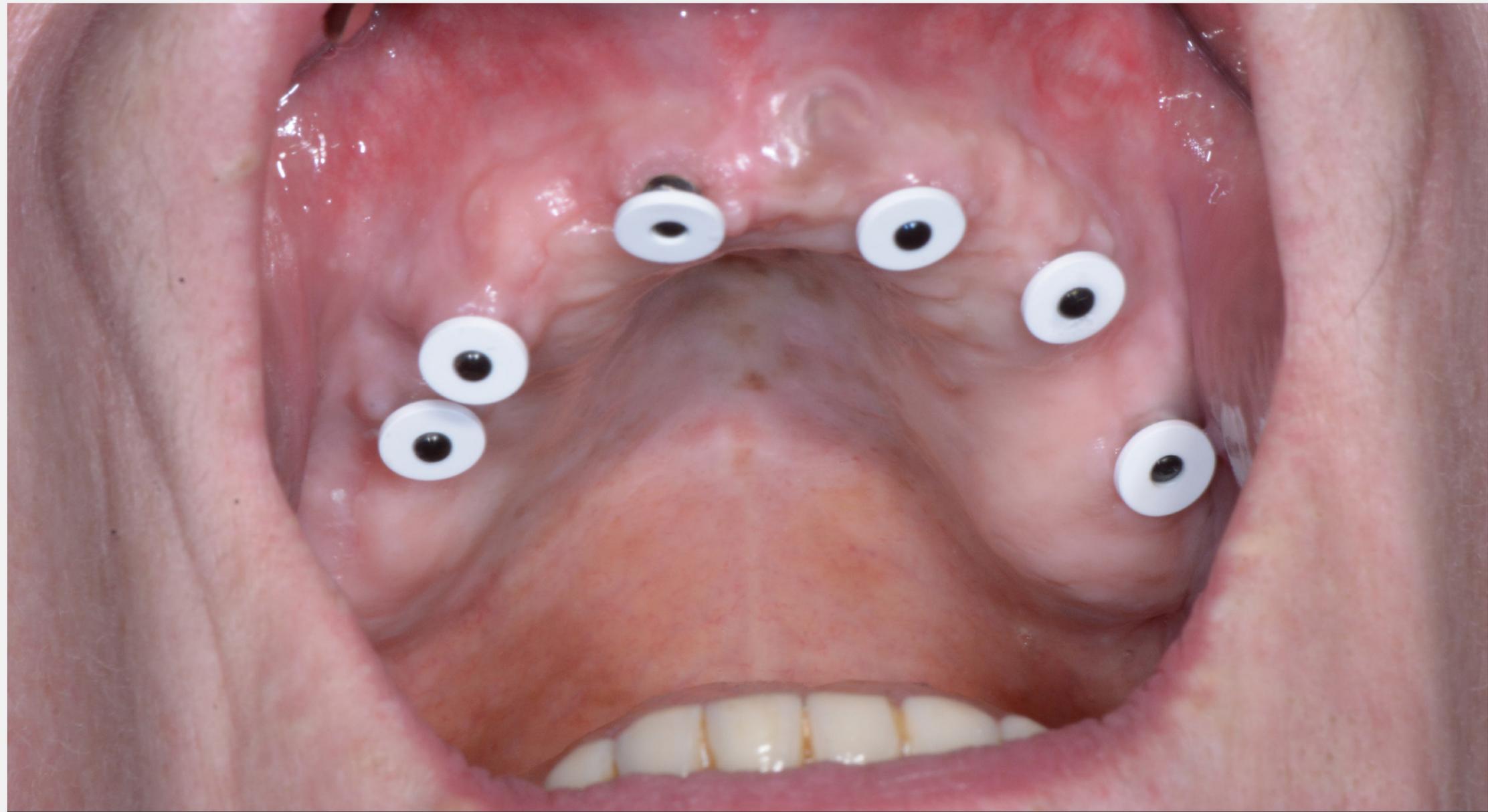
Surgery



Prosthetic
restoration



Final
situation



17. Intra-oral view with mounting collars which protect the implant neck from any resin or adhesive residue.

Mini Implant SYSTEM

Initial
situation



Surgery



Prosthetic
restoration



Final
situation



18a & 18b. Mini Implant with mounting collar and white insert mounted into the matrix housing (fig 18a). Valoc recommends the use of low retention inserts (yellow or white) for the initial preparation stages and the first placement of the denture. These inserts will then be replaced by inserts of other colours (Fig. 18b), offering stronger retention force, if required.

Mini Implant SYSTEM

Initial
situation



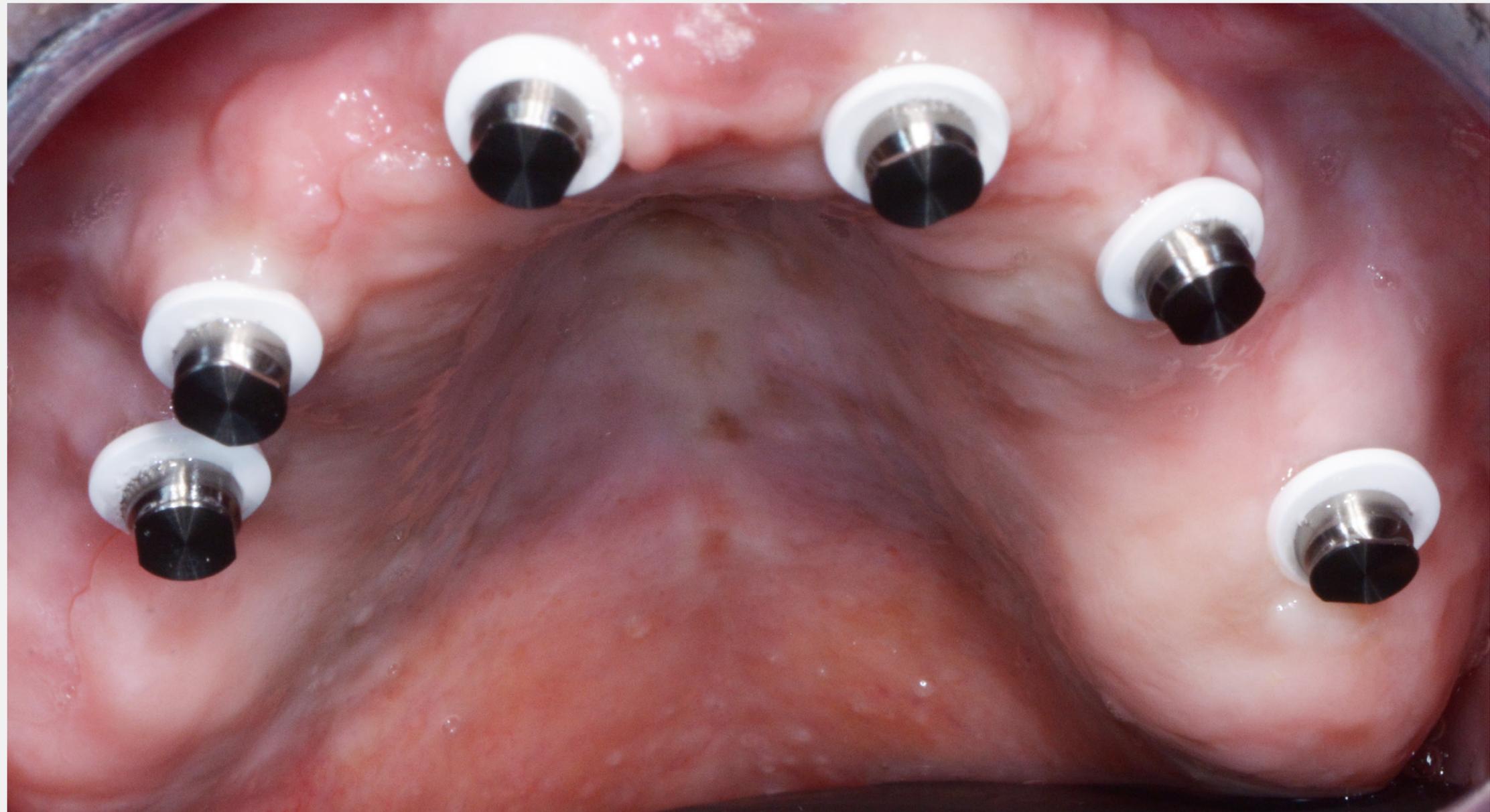
Surgery



Prosthetic
restoration



Final
situation



19. Mini Implants with mounting collars and matrices, positioned during the preparation stage, before loading the prosthesis. The collars will be removed during the final stage, before placement of the denture in the patient's mouth.

Mini Implant SYSTEM

Initial
situation



Surgery



Prosthetic
restoration



Final
situation



20. Bottom view of the complete removable prosthesis stabilized by the Mini Implants using an Optiloc® connection.





21. Smile of the patient following the placement of the maxillary removable prosthesis.

Mini implants are an alternative to conventional intra-axial precision attachments, which are usually placed on 2 implants in the mandible and 4 implants in the maxilla. Their small diameter does not hinder their primary stability, thanks to the self-tapping design of the implant, and enables their use in thin crests or for the management of implant failures, as in the case presented here. This makes it possible to place the implants in areas of reduced bone where there is damage due to previous peri-implantitis.

The Anthogyr Mini Implant System is a good compromise for the practitioner and an alternative solution for the patient.



Testimonial from Dr Claude Authelain

- **What were your expectations of the Anthogyr Mini Implant System?**

I approached this system as an alternative solution for managing implant failures, as a compromise solution.

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

I was interested in this solution for the following reasons:

- Stabilization of the prosthesis when a fixed solution is not an affordable option for the patient;
- Patients requiring extensive implant treatment (sinus fillings, bone reconstruction, etc.) and for patients with medical contraindications;
- Patients presenting treatment failure requiring an alternative solution.

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

The small diameter of the implants provides a new possibility for implant placement in thin crests. It is also suitable for peri-implantitis indications, as the small diameter allows anchoring in residual bone islands.

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

The surgical protocol is very user-friendly and simple.

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

The prosthetic rehabilitation is of excellent quality and seems to have long lasting durability.

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

My primary use of this system will be based on the management of major complications of implant-supported prostheses on full arches.

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

This system offers a very good compromise for the practitioner and an alternative solution for the patient.





Courtesy of Dr Claude AUTHELAIN



**Dr Claude
AUTHELAIN**

France

- Implantology – Bone reconstruction and regeneration
Mucogingival surgery
- University Diploma in Implantology
- University Diploma in Bone Tissue and Biomaterials
- University Diploma in Forensic dentistry, appraisal,
physical injury, oral and dental identification

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Medical devices for use by dental professionals. Manufacturer: Anthogyr.
Please read the instructions and user manuals thoroughly.

Follow us!



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