

Immediate placement and provisionalization with fully digital workflow

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Case description

18 months follow-up with NobelActive® TiUltra™ and On1™ Base Xeal™

Patient

41-year-old female

Clinical situation

Failing endodontic treatment of the second premolar in maxilla

Surgical solution

Extraction site, immediate NobelActive® TiUltra™ placement, minor bone grafting with creos™ xenogain, On1™ Base Xeal™

Restorative solution

On1™ Temporary Abutment, TempShell provisional

Surgery date

February 2019

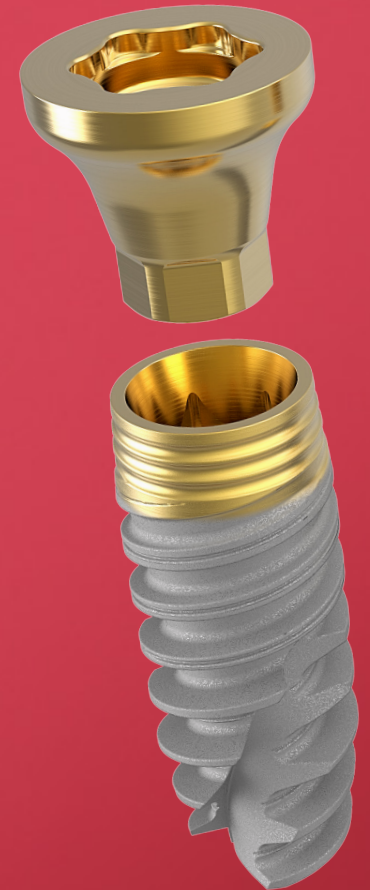
Total treatment time

3 months (final prosthetic delivered in May 2019)

Tooth position

15

Root extraction followed by an immediate placement of a NobelActive® TiUltra™ implant, On1™ Base Xeal™ and temporary provisionalization with full digital workflow, demonstrates good early hard and soft tissue outcomes.



Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome

Courtesy of Dr Giacomo Fabbri



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View of the smile before surgery

Initial clinical situation

Treatment planning

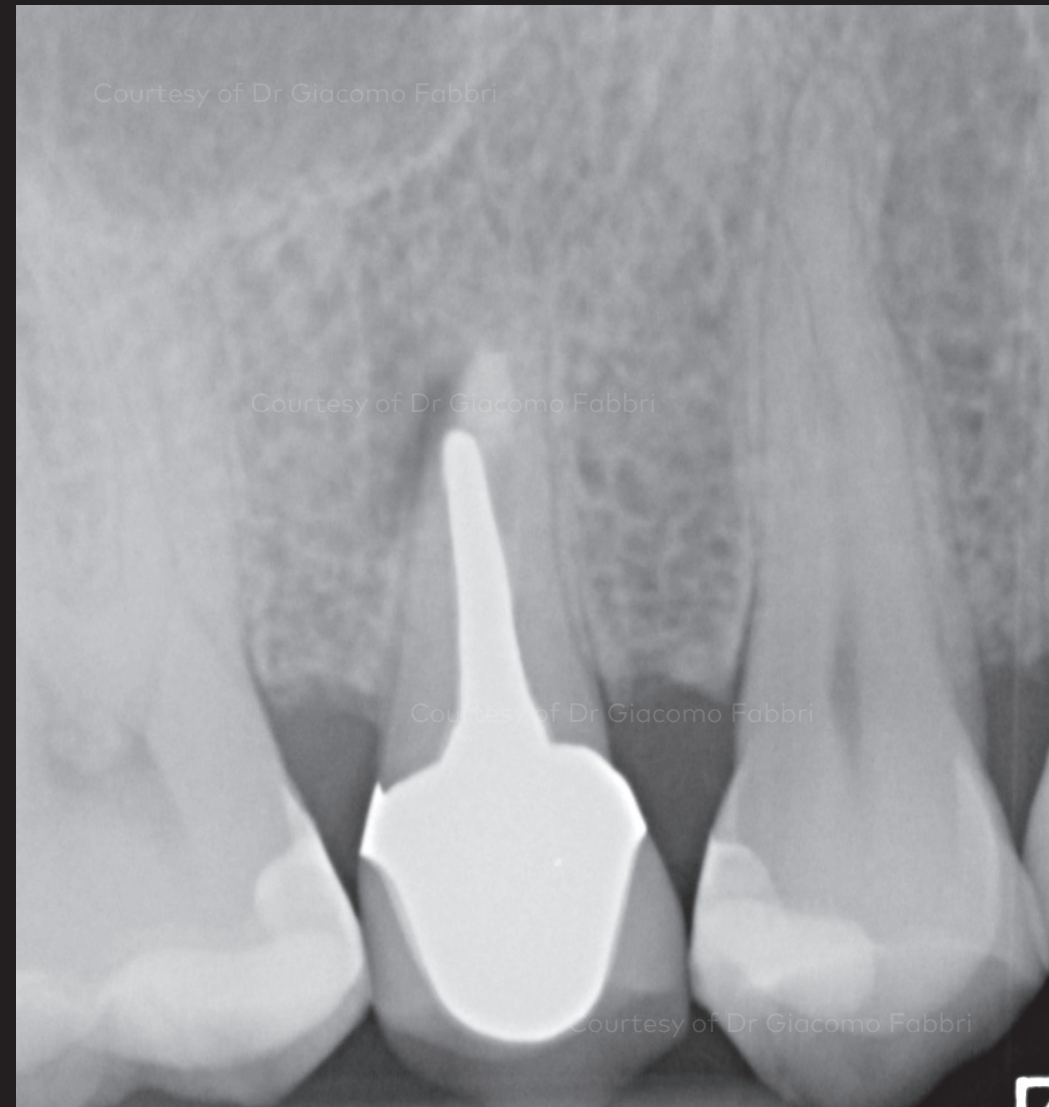
Surgical procedure

Restorative procedure

Outcome



View of the occlusion before surgery



X-ray showing failing endodontic treatment

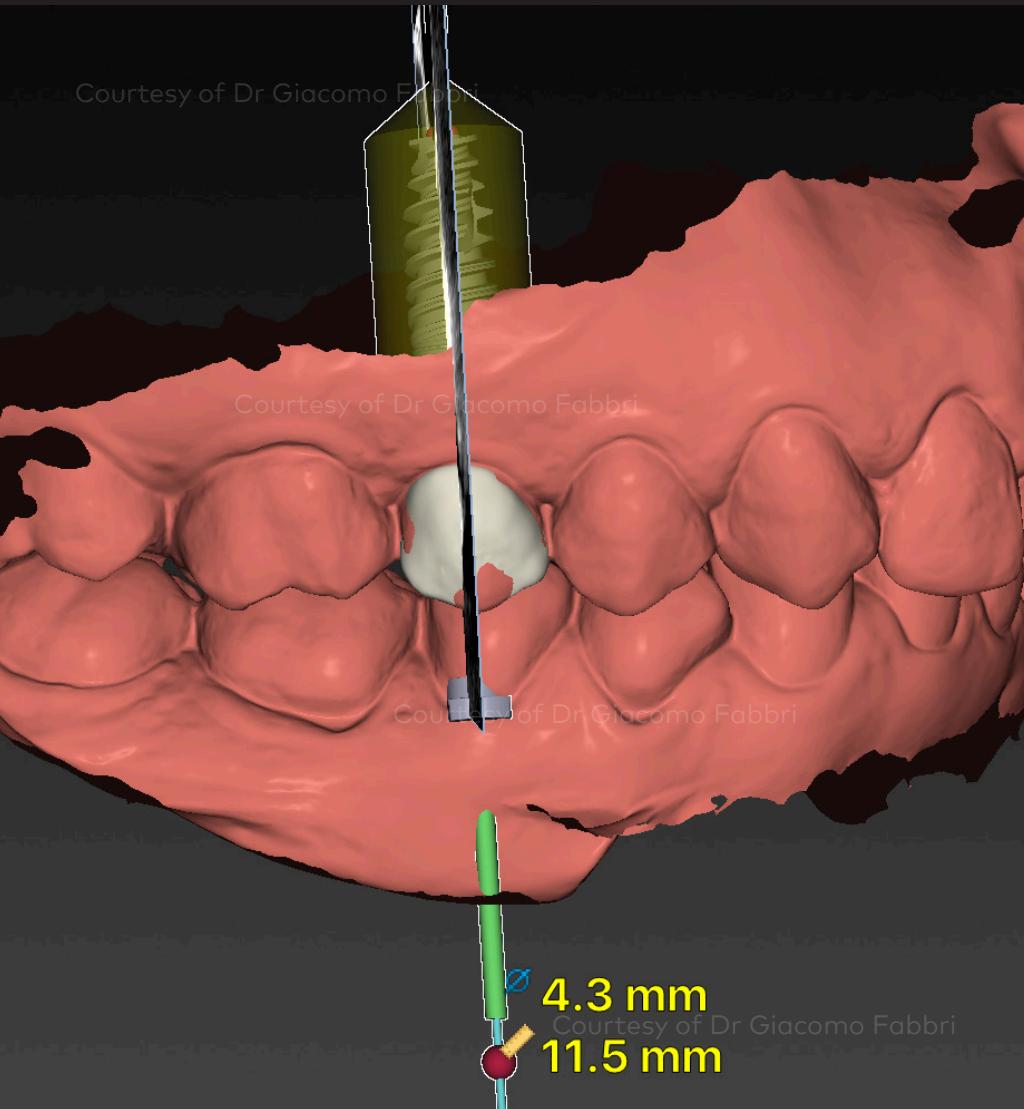
Initial clinical situation

Treatment planning

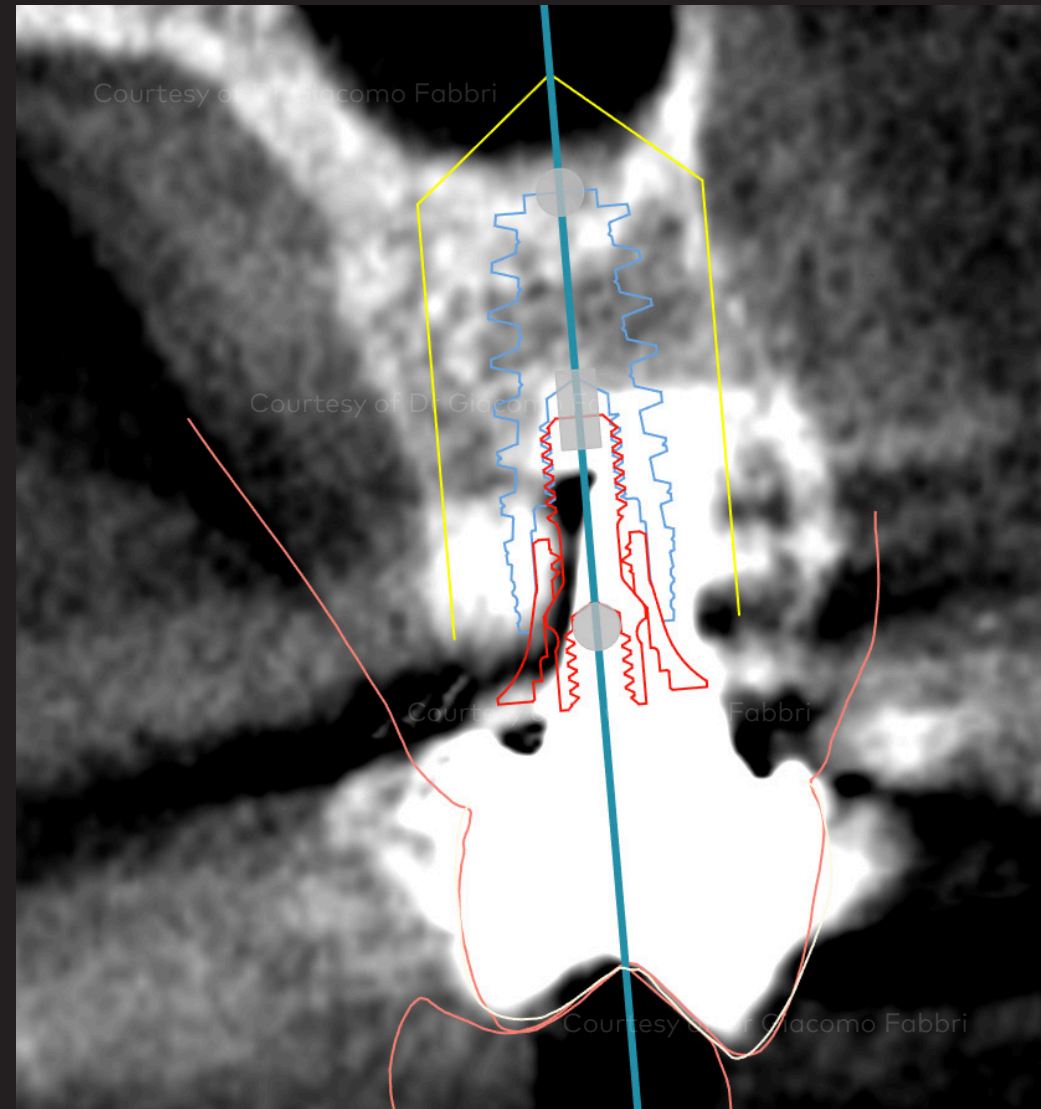
Surgical procedure

Restorative procedure

Outcome



Digital treatment planning in DTX Studio™ implant



Digital treatment planning in DTX Studio™ implant – digital position of implant and abutment

Initial clinical situation

Treatment planning

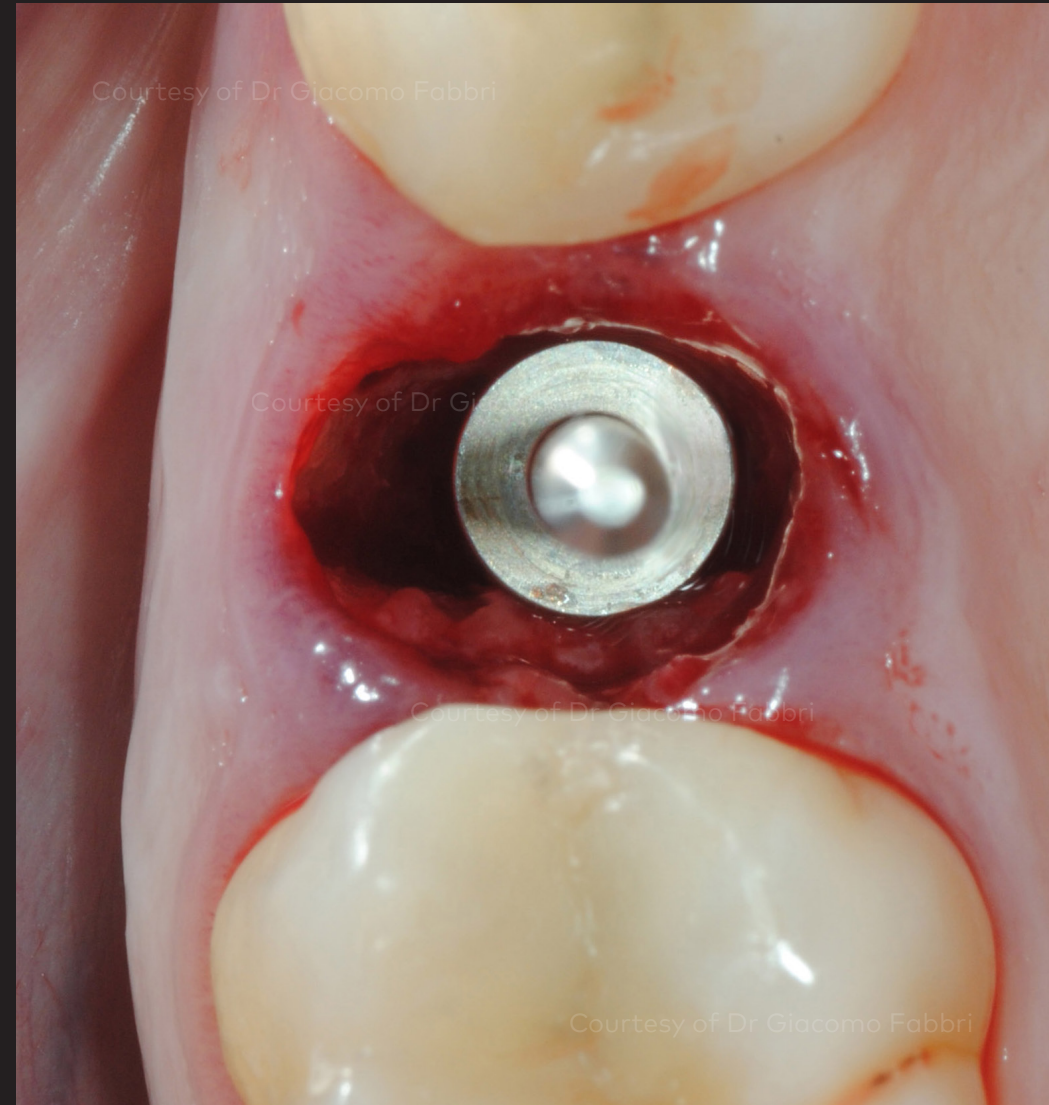
Surgical procedure

Restorative procedure

Outcome



Clinical situation after root extraction



Occlusal view of the pin placed in the osteotomy

Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



Placing of NobelActive® TiUltra™ implant in a fresh extraction socket

Occlusal view of the implant with the healing cap in place

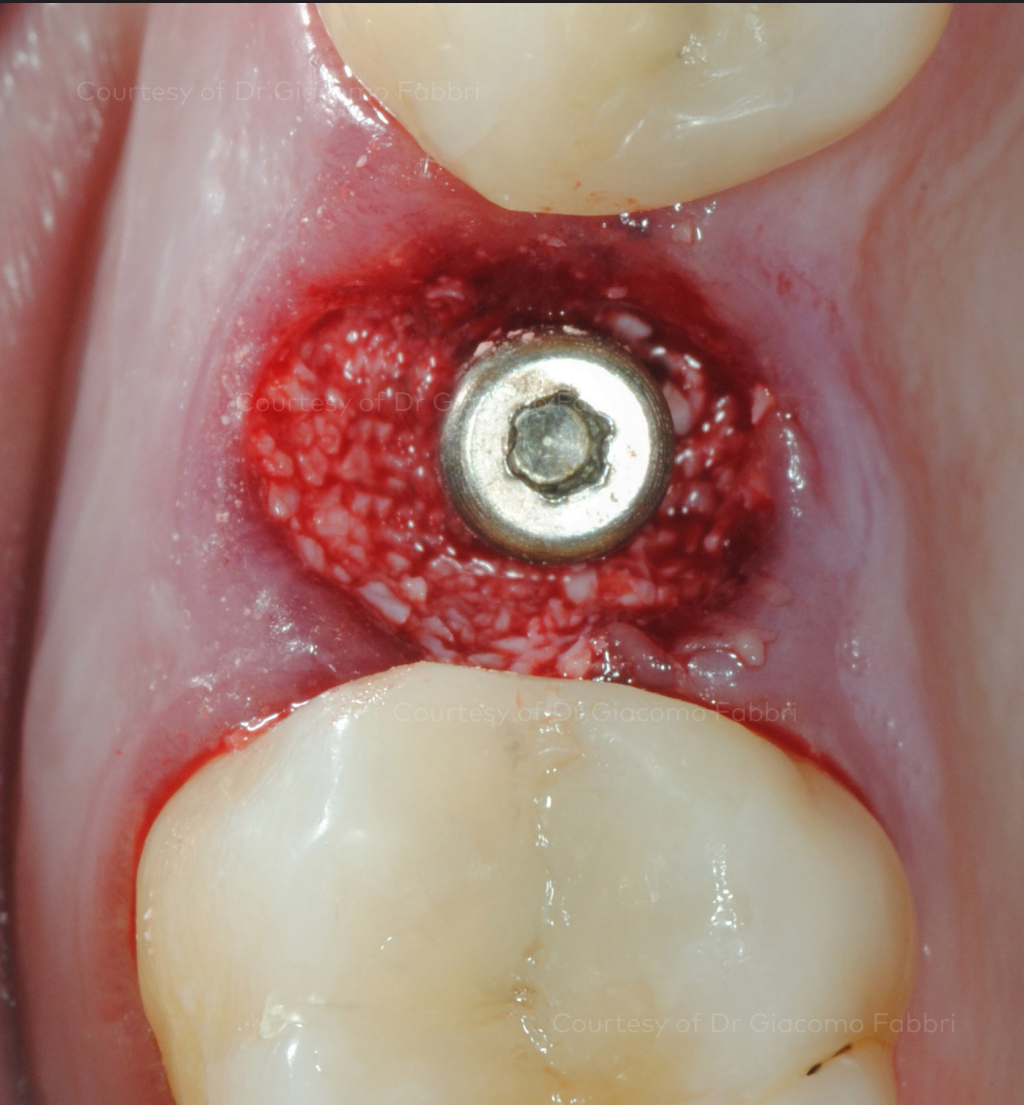
Initial clinical situation

Treatment planning

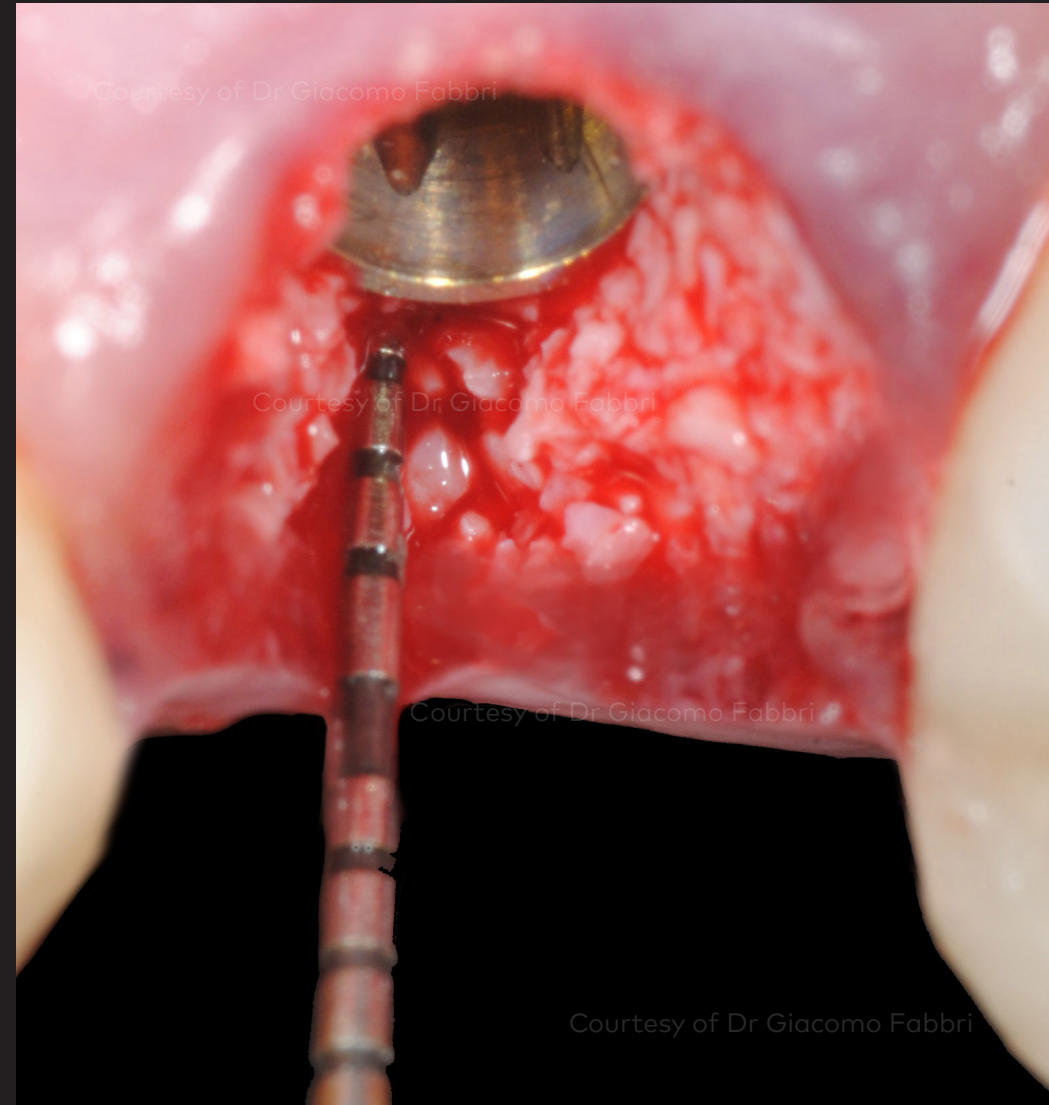
Surgical procedure

Restorative procedure

Outcome



Occlusal view after filling with creos™ xenogain



Measuring the distance from the implant to free gingiva using a periodontal probe

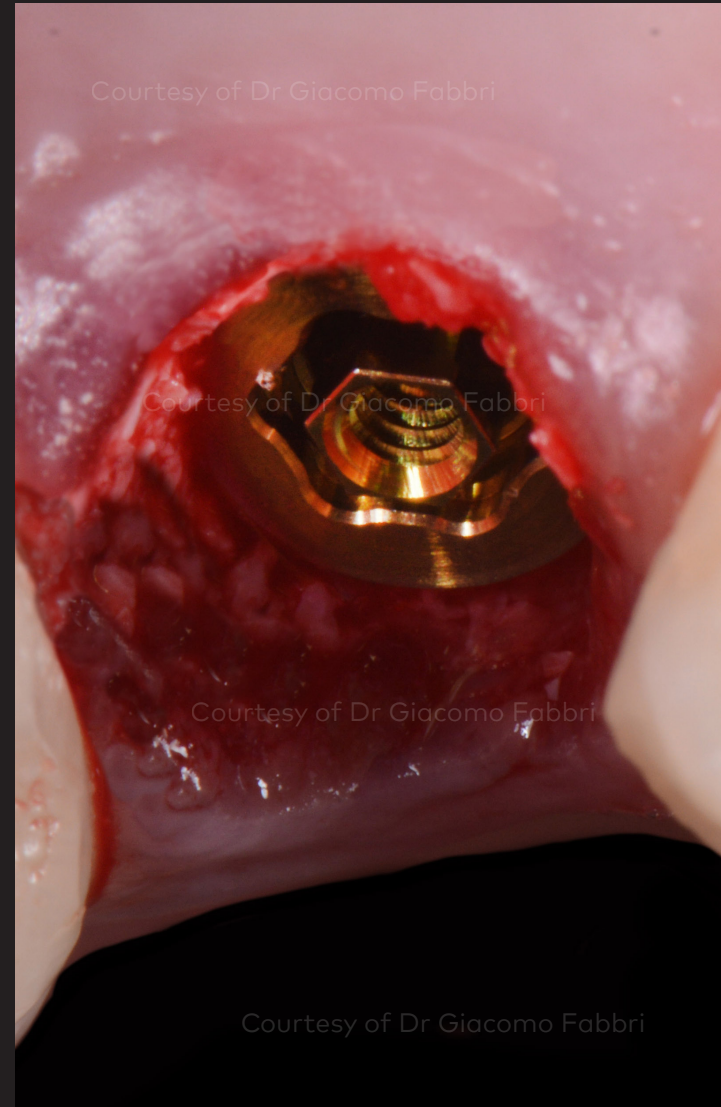
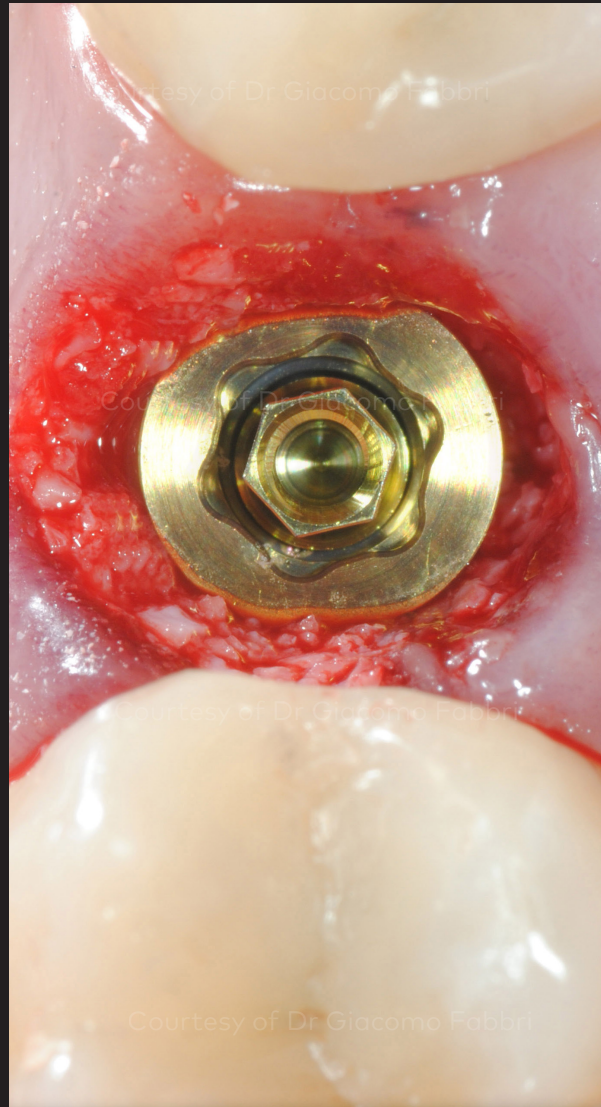
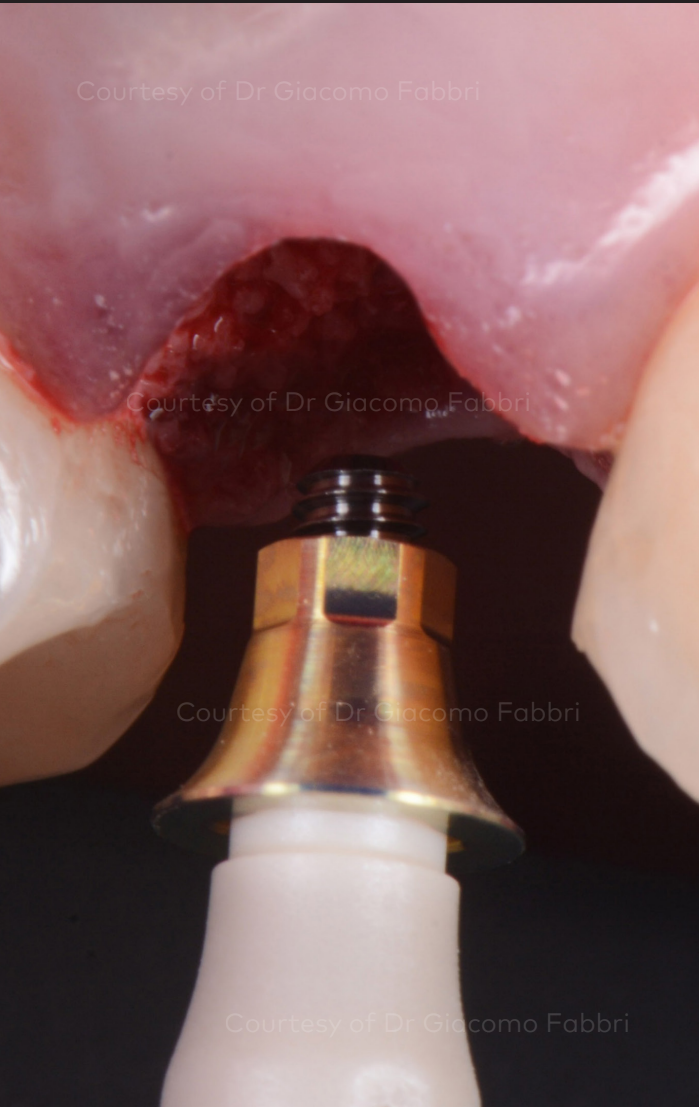
Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



Placing of On1™ Base Xeal™ Conical Connection (left) and view of it in place (right)

Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



TempShell provisional restoration fitting and refining



Provisional restoration in place

Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



On1™ Base Xeal™ – occlusal view 3 months after implant placement



Occlusal view of the final crown (3 months after surgery)

Initial clinical situation

Treatment planning

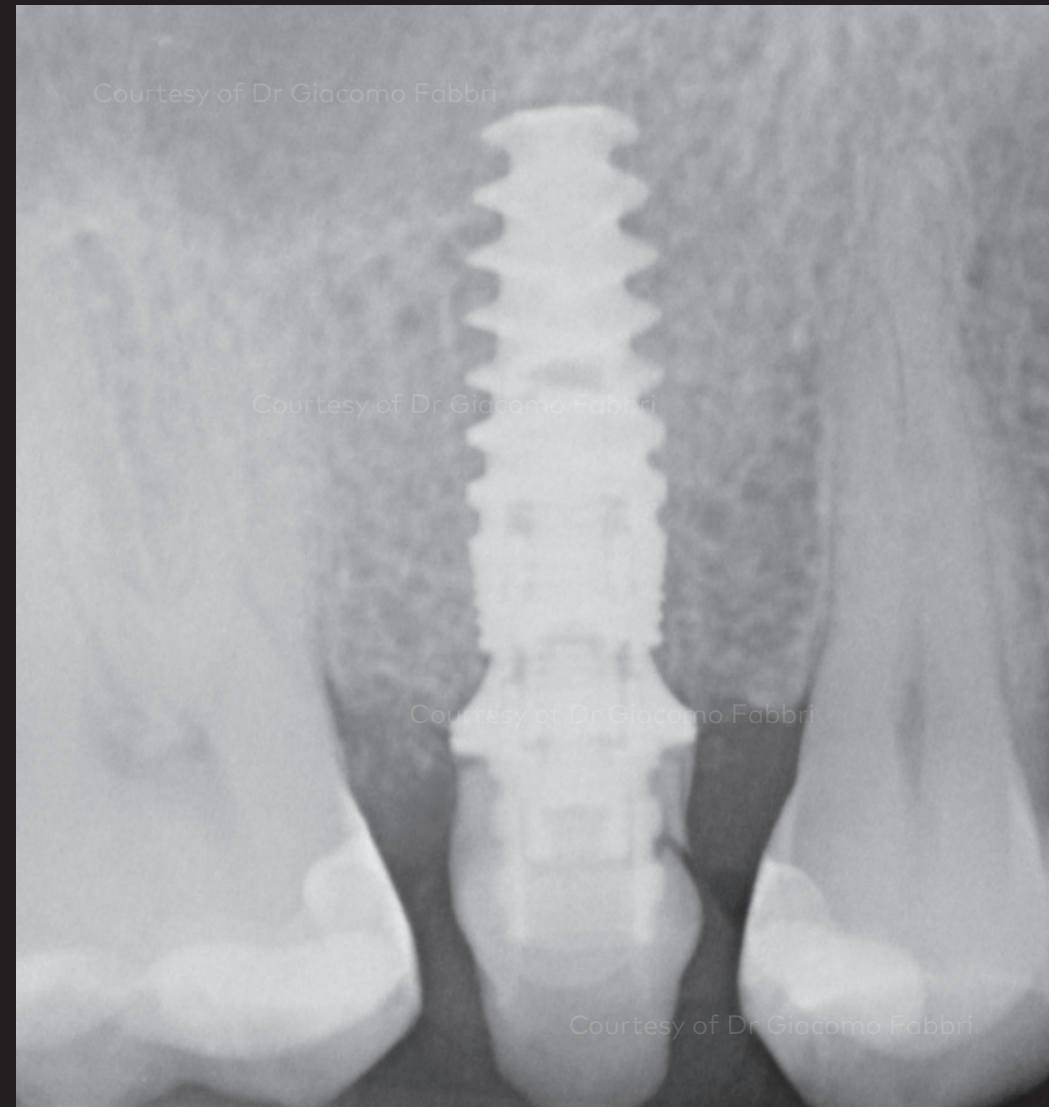
Surgical procedure

Restorative procedure

Outcome



Smile of the patient immediately after the procedure



X-ray of the implant with the provisional restoration 18 days after the surgery

Initial clinical situation

Treatment planning

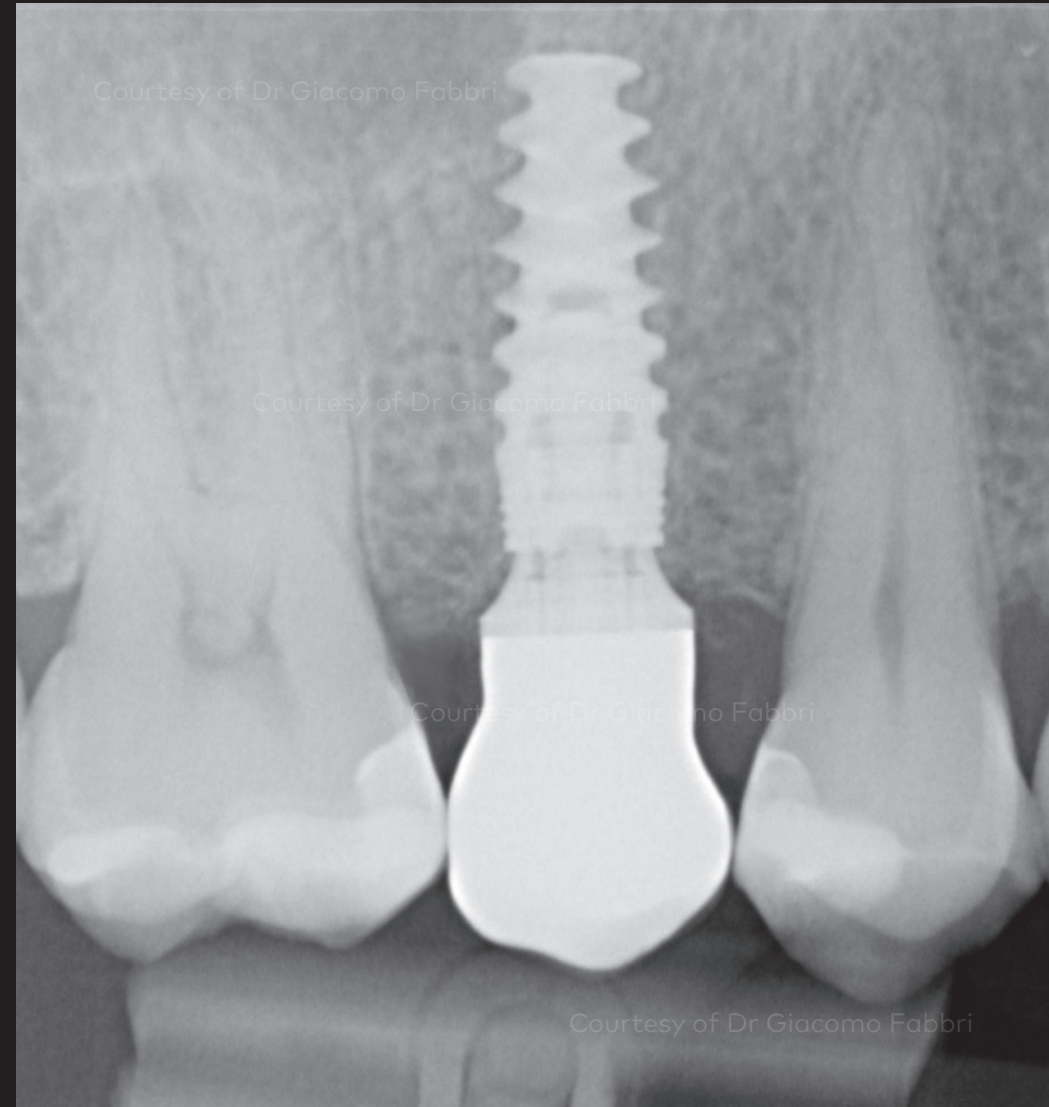
Surgical procedure

Restorative procedure

Outcome



Lateral view of the final prosthetic 3 months after implant placement



X-ray of the implant with the final restoration 3 months after the surgery

Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome

Courtesy of Dr. Giacomo Fabbri

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Smile of the patient with the final prosthetics 3 months after the surgery

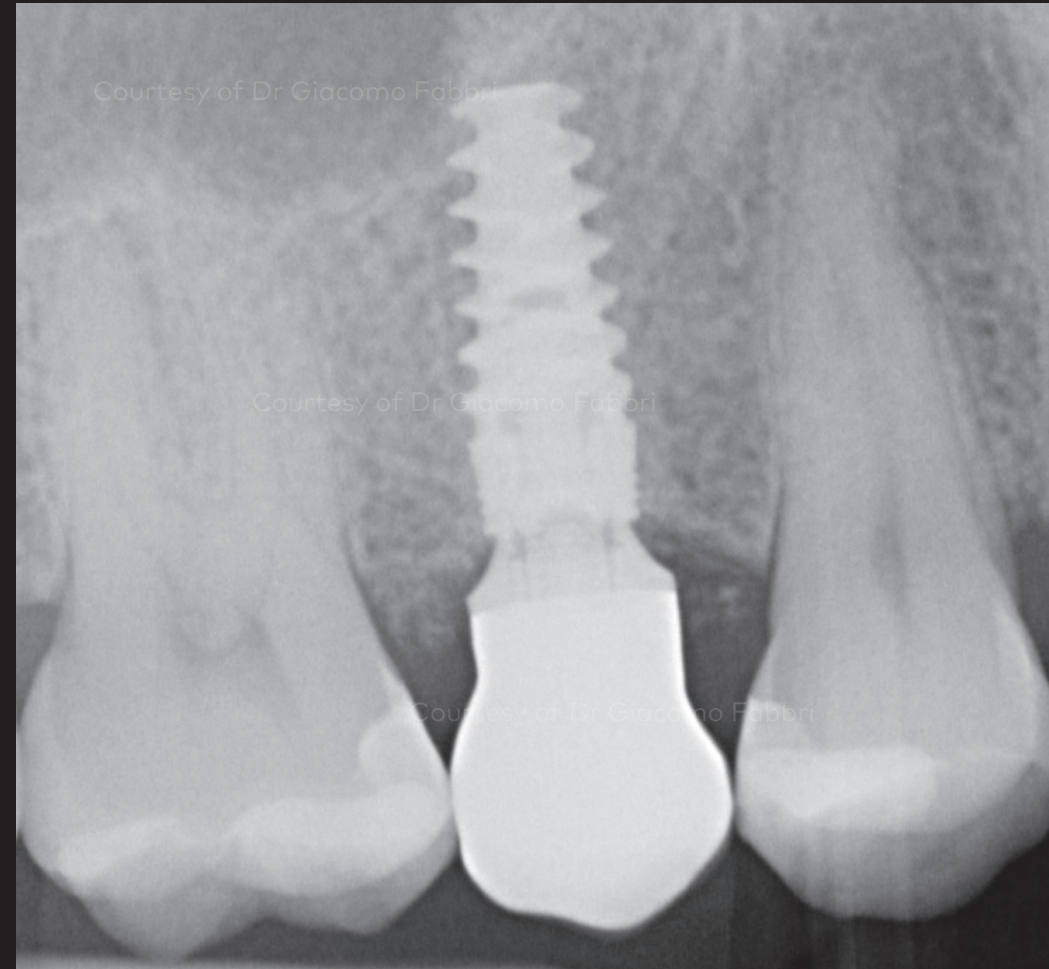
Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



Lateral view 18 months after implant placement

X-ray of the implant 18 months after surgery

Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



Intraoral image 18 months after implant placement

Occlusal view 18 months after surgery

Case courtesy of Giacomo Fabbri



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