

blue<sup>®</sup>m

Implant placement with biomaterials, L-PRF and blue<sup>®</sup>m

drs. Emilio Marquardt

Implant placement with biomaterials, L-PRF and blue®m

case report

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Specialised in Oral and maxillofacial surgery and traumatology  
Professor at the University and lecturer of many courses  
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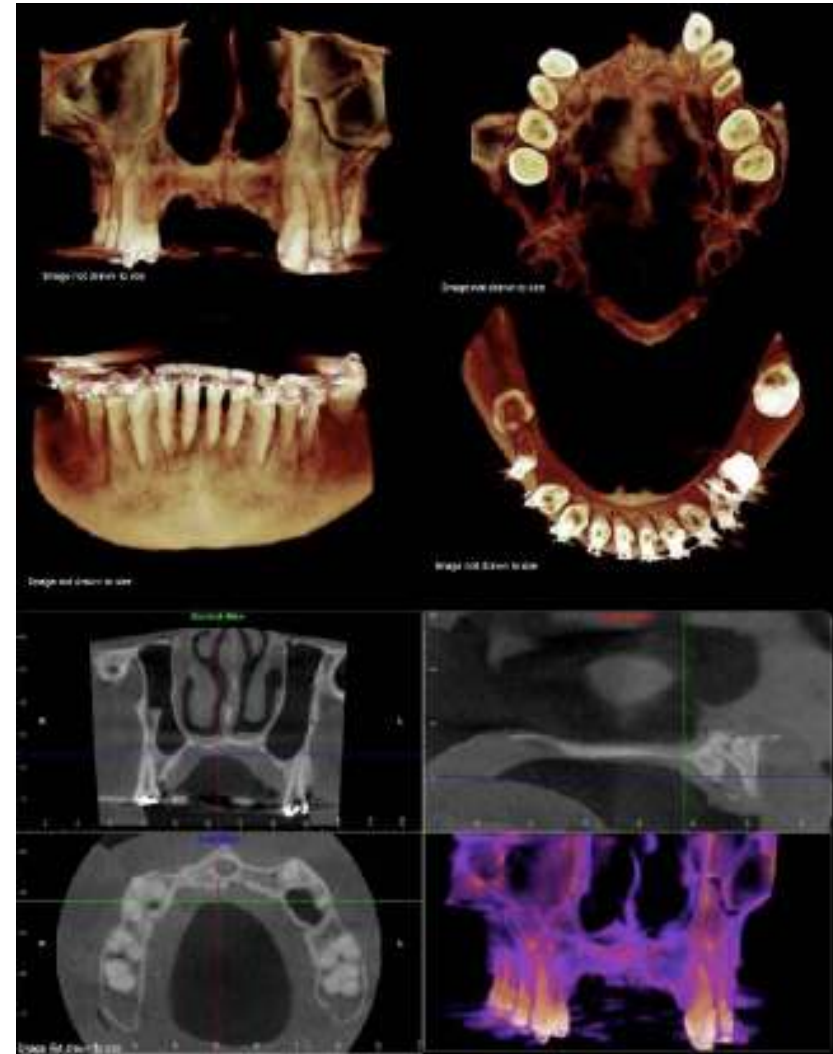
## Anamnesis

Female patient

42 years old

Lost her front teeth 20 years ago

Resulted in a defect in the anterior region of the maxilla, loss of height and width





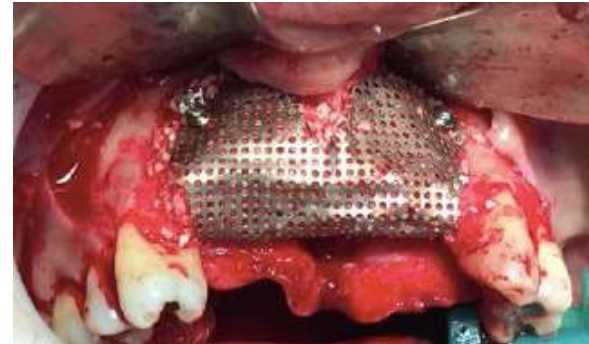
Patient was put under general anesthetic and an incision from canine to premolar was made.

Bone was prepared by making micro holes in it and blue®m oral gel was put in for five minutes.

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The oral gel is removed with a physiological saline solution 0,9%. The implant and bone grafting material is placed with Platelet Rich Fibrin derived from the patients blood. Over the Platelet Rich Fibrin derived from the patients blood, another biomaterial (Bonefill Porous from Bionnovation) was placed. A titanium membrane was placed and fixed with screws and covered with a L-PRF membrane. It is sutured with Monocryl 4.0. blue®m oral gel is applied directly after surgery and kept in place for 20 minutes.



**7 days post-operative**

Patient was instructed to brush with blue®m toothpaste and to rinse with the blue®m mouthwash 3 times a day for 2 minutes

Patient was instructed to use the blue®m oral gel 2 times a day for better wound healing





Patient started using chlorhexidine 0,12% for 1 day and complained about acute pain in the region  
Clinical examination shows deficiency in the healing process, edema and flaccidity of the gingiva



Patient had to stop using chlorhexidine and start again with the blue®m oral gel for better wound healing

Good results were seen **after 24 hours**



directly after surgery



6 months post-operative