

CLINICAL CASE REPORT

“RESISTA IMPLANT”

2025

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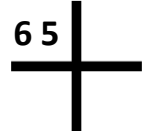
[Http://www.RESISTA.it](http://www.RESISTA.it)
E-mail: info@resista.it

Via F.lli Di Dio, 68 – Omegna (VCO)



Case 1

- Surgeon information : Name: Dr. Marco Colombo Surgery date: 2020/02/05
- Patient information : age: 52 Sex: male Country: Italy
- Implant information: fixture code: IK4210 abutment code: W2-IP4ST3



Clinical Situation:

The patient is a 52-year-old man who has lost teeth number 5 and 6 on his upper right side and has degenerated bone. The patient has bone D3 and also used medicine for his stomach disease in the past, but now he has stopped taking the medicine and has no special problems.

surgical indication:

Due to the lack of sufficient bone and taking into account the patient's bone conditions, first, two areas of teeth 5 and 6 were drilled and two fixtures with diameters of 4.2 and height of 10 were used. A bone graft was performed around the implant and it was covered with a membrane so that both the implant is well placed and the bone graft is stabilized in that area.

The bone cortex and its conformation/composition are not suitable for the distribution of functional load. Normally the periodontal ligament performs a shock-absorbing action and distributes the load where the bone tissue is most suitable for remodeling the trabeculae. Thanks to better blood vitality, the medullary component reorganizes itself concerning the load, orienting the trabeculae in the opposite direction (horizontal) to adapt to trauma and masticatory pressure.

prosthetic indication:

After 6 months, the implants were well placed and the bone graft responded well. Molding for two implants was done in one day and then the abutments were prepared by cementing method and delivered to the patient.

Treatment planning and timing:

In general, according to the need for bone grafting, the patient needed 6 months after surgery and bone grafting. After that, in less than a month, two crown units with abutments were prepared and delivered to the patient.

The importance of geometry and surface characteristics of the implants are fundamental, in an attempt to achieve better bone-implant contact, and greater primary stability, minimizing bone stress.

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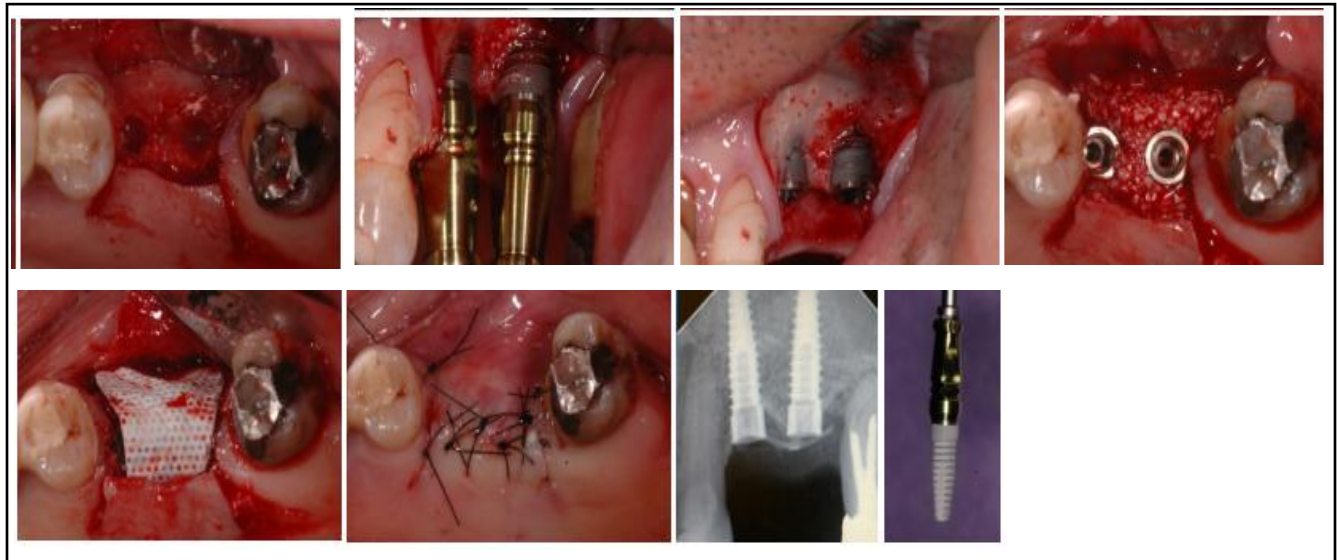
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Patient Clinical Situation:



Surgery procedure:



Carlo Alberto Issoglio



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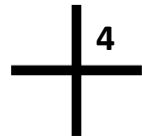
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Case 2

- Surgeon information : Name: Dr.Massimiliano Li Vigni Surgery date: 2018/01/30
- Patient information : age: 42 Sex: Male Country: Italy
- Implant information: fixture code: IK4608 abutment code: W2-IP4ST2



Clinical Situation:

The patient is a 42-year-old man. The patient smokes in a very limited way. He observes his oral and dental hygiene. The patient's tooth number 4 could not be saved and only the root was left in the patient's mouth. The root was removed and 5 months were given to allow the space to place the implant.

surgical indication:

On the day of surgery, an implant unit with a diameter of 4.6 mm and a height of 8.5 mm was placed in this area. According to the D3 bone of the patient, at the time of drilling, the conditions were adjusted according to the condition of the patient's bone, and then the fixture was placed in the desired area.

prosthetic indication:

The patient received his prosthesis 4 months after surgery. The prosthesis used for the patient is an abutment with product code W2-IP4ST2. Molding was done in one day and 2 weeks were spent preparing the tooth crown and abutment.

Treatment planning and timing:

First, the patient's tooth was extracted, and 5 months later, the surgical fixture was performed. After that, 4 months were given for the fixture to stabilize well in the bone. After that, molding was done in one day and 2 weeks were spent preparing the prosthesis.

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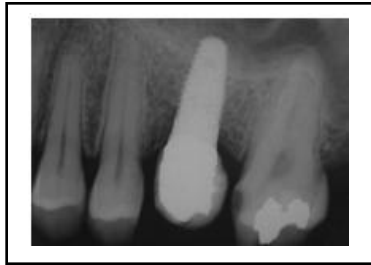
Patient Clinical Situation:



Surgery procedure:



Prosthetic procedure:



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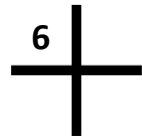
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Case 3

- Surgeon information : Name: Dr.Andrea Givani Surgery date: 2018/6/02
- Patient information : age: 45 Sex: male Country: Italy
- Implant information : fixture code: IK4607 abutment code: W2-IP4ST2



Clinical Situation:

The patient does not have any systemic disease and does not smoke or drink alcohol. Tooth number 6 in the maxilla, after it was repaired once years ago, was no longer possible to maintain. Therefore, it was necessary to remove the previous tooth and place the implant.

surgical indication:

Tooth number 6 in the maxilla was extracted. A bone graft was placed in the area of the extracted tooth, and then after 9 months, a suitable bone was formed in the desired area. Considering the proper bone formed and also the posterior area of the teeth, a fixture with a larger diameter and shorter height was used. In a short time after surgery and drilling, a fixture with a diameter of 4.6 and a height of 7 was placed. After 4 months, healing was closed so that the gingiva took the right shape. After that, the prosthesis treatment started shortly.

The possibility of exploiting the post-extraction sites of the larger dental elements, fully occupying the root volume and gaining primary stability in the vicinity of the maxillary tuberosities, was the primary objective. Standard surgical practices involve the alteration or change of direction of only one of the post-extraction root defects, with a regenerative filling of biomaterial in the remaining parts. The new implant geometry can fill even the largest avulsive defects, stabilizing in just 7/8 millimeters of height

In poor-quality bone, class D3/D4, it is possible to perform an under-preparation, made with drills or manual osteotomy instruments, which allows the implants with conical self-tapping properties to laterally compact the residual bone and improve primary stability

prosthetic indication:

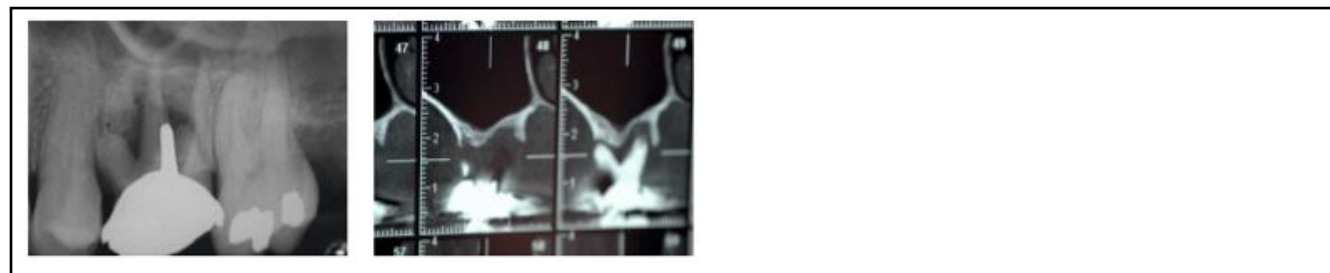
Due to the perfect and direct surgery and the proper interdental space, a direct abutment was used and the crown was made of PFM material and glued on the abutment. The prosthetic connection was engineered to

withstand axial stress and transverse force vectors, generated by the masticatory loads typical of the molar and of other parafunctional regions, from the maximum center of the Curve of Spee to the deepest extensions of the oral cavity

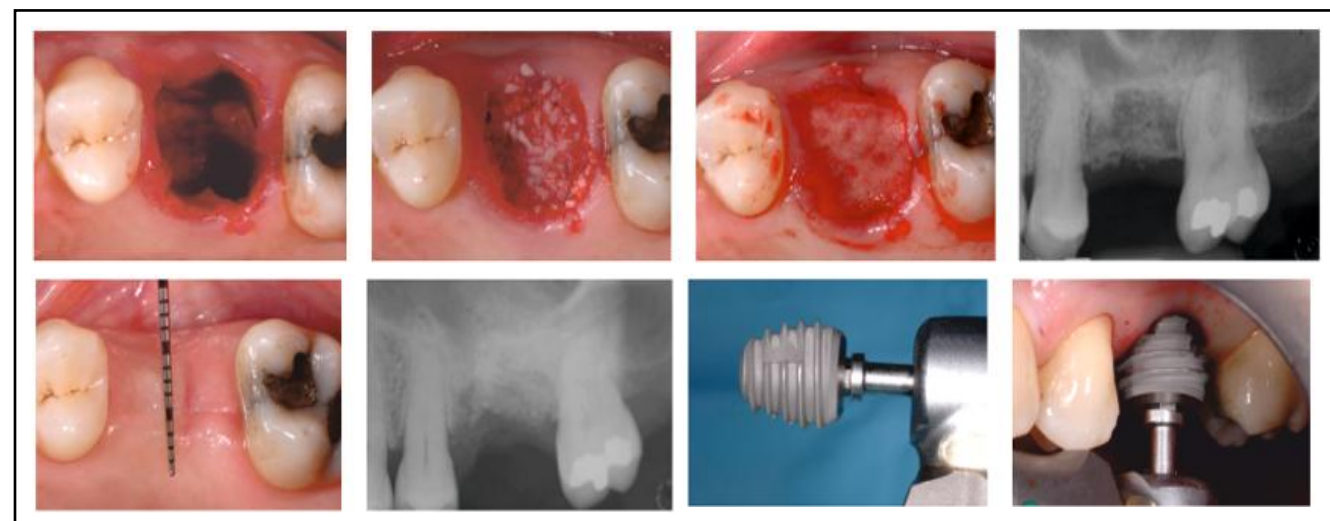
Treatment planning and timing:

Tooth number 6 of the maxillary patient could not be preserved. Therefore, tooth extraction and bone graft were used to fill the bone defect. After 9 months and proper bone formation, a fixture with a diameter of 5 and a height of 8.5 was operated and placed in the desired location. After 4 months healing was used and after two weeks the final prosthesis was delivered to the patient.

Patient Clinical Situation:



Surgery procedure:



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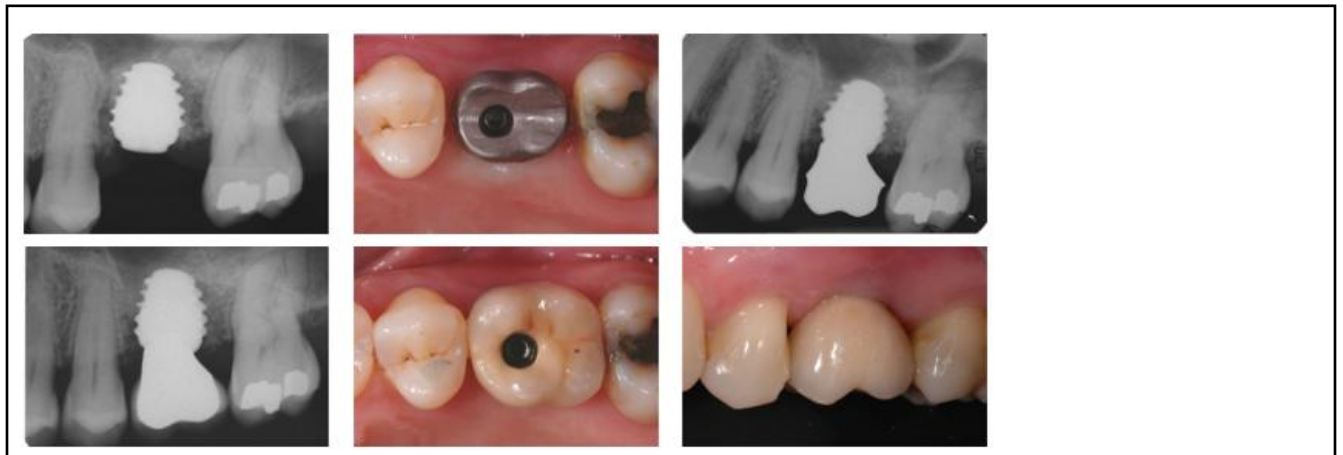
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Prosthetic procedure:



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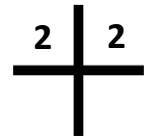
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Case 4

- Surgeon information : Name: Antonello Gattuso Surgery date: 2019/10/5
- Patient information : age: 31 Sex: male Country: Italy
- Implant information : fixture code: IK3810 abutment code: W2-IP4ST3



Clinical Situation:

The documented case is a young patient treated with fixed orthodontics because he was affected by agenesis of the upper laterals and dental overcrowding aggravated by the skeletal structure of the maxillae that does not conform to the dental dimensions. The interarticular space, at the end of the orthodontic treatment, did not allow the insertion of osseointegrated implants of standard diameter despite the adequacy of the prosthetic mesial/distal spaces.

surgical indication:

The choice of a reduced implant body diameter suited the project preserving bone volumes, benefiting from the greater peri-implant availability of residual bone, and increasing local vascular nourishment. The position, in the palatal vestibule direction, of the implants was designed for a more palatinised coronal seating compared to the crest line. This approach guaranteed a greater availability of adherent fabric for the benefit of a better final aesthetic quality.

prosthetic indication:

The healing of the implant/crown transgingival path was reworked weekly through the progressive relining of acrylic aesthetic provisionals with a curvilinear emerging profile. The final mucogingival position guaranteed vestibular volumetric support (buccal draft) and prosthetic masking aesthetics adequate for the insertion of the definitive crowns. The interproximal papillae had grown to completely close the spaces below the dental equator. To minimize the chances of unscrewing, typical of single-dentulous implants, 5 anti-prosthetic loosening guarantee parameters have been applied:

- Implant crown size ratio as close to 1:1
- Mesio/distal position of the implant, central to the prosthetic axis
- Original anti-rotational prosthetic component of the house in the metal version

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- Final tightening in 3 phases (appointments) with torque control at 32Ncm
- Maximization of mesial/distal support surfaces (contact points)

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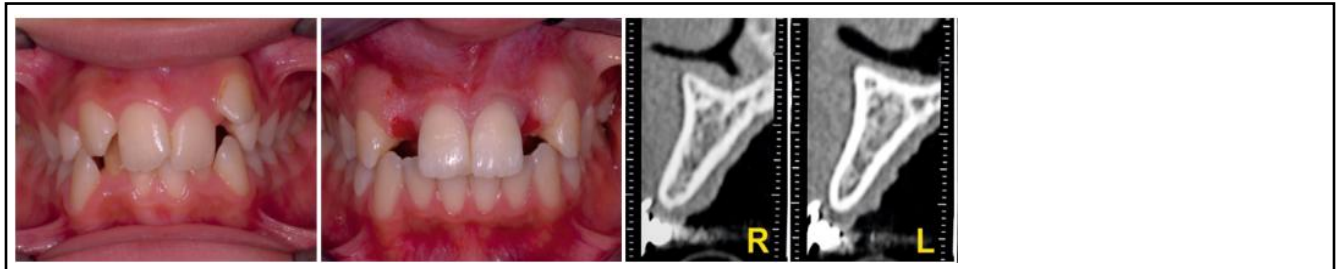
The aesthetics of metal-ceramic crowns were created taking into account:

- Color in its chromatic variations as a function of external brightness, dark/light, color/grayscale, and refraction.
- Layering of masses and pigments
- Mapping of the roughness and shape of the adjacent teeth

Treatment planning and timing:

2 Fixtures (RESISTA IK) were placed in the area of the second tooth in the maxilla. The patient has been undergoing orthodontic treatment for two years to prepare a suitable space for placing the implants. Then surgery was performed for the patient in 2019. After that, after 6 months, the healing was closed and after 9 months, The final prosthesis was placed for the patient. The final images can be seen after three years.

Patient Clinical Situation:



Surgery procedure:



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Prosthetic procedure:



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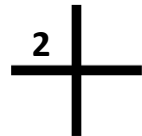
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Case 5

- Surgeon information : Name: Dr. Rosario Acampora Surgery date: 2016/10/15
- Patient information : age: 32 Sex: female Country: Italy
- Implant information : fixture code: IK3411 abutment code: W2-IP4AT15



Clinical Situation:

The patient is a 32-year-old young woman who has no systemic diseases, uses a toothbrush regularly, and has undergone orthodontic treatment. In the orthodontic treatment, the dentist was able to arrange the teeth, and also in the area of tooth number 2 of the left maxilla, a suitable space was created to fill this edentulous space with an implant.

surgical indication:

A fixture with a diameter of 3.4 and a height of 11.5 was selected for the implant surgery according to the patient's OPG & CBCT and clinical examination. First, the surgery was performed and the implant was placed well (the patient's bone was D2, which created suitable conditions for drilling). After less than 2 months, according to the proper osseointegration, the Healing was closed for the patient so that the soft tissue around the implant was well formed.

prosthetic indication:

For the patient's prosthetic treatment, it was molded by impression with product code IPX40. After that, the 15-degree abutment with product code W2-IP4AT15 was well modified and the cover was placed on it and delivered to the patient.

Treatment planning and timing:

Considering the good age of the patient and the good bone conditions after placing the fixture, only after less than 3 months, the patient's prosthetic treatment was completed and the implant was delivered along with the

crown. The result of the implant can be clearly seen in the picture after two years. The patient received a successful treatment without any complications or bone loss.

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Patient Clinical Situation:



Surgery procedure:



Prosthetic procedure:



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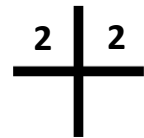
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Case 6

- Surgeon information : Name: Dr.Giacomo Tarquini Surgery date: 2017/02/01
- Patient information : age: 36 Sex: female Country: Italy
- Implant information : fixture code: IK3410 abutment code: W2-IP4AT15



Clinical Situation:

The patient is a 36-year-old woman. Without any systemic disease and without taking drugs for special treatment. Suffering from edentulism in teeth number 2 in the upper jaw. For this purpose, implant treatment was recommended for him.

surgical indication:

The treatment was done in two stages.

The first stage of surgery and placing 2 fixtures with a diameter of 3.4 and a height of 10 in the area of tooth number 2, right and left of the maxilla.

In the second stage, after 3 months and ensuring complete osseointegration, the cover screw was opened and healing was used to shape the gums. The final result was that the space was completely prepared for the final prosthesis.

prosthetic indication:

For the patient's final prosthesis, according to the condition of the interdental space and the surgical area, an angled abutment with a G/H=2 and 15 degrees was used. To perform this prosthetic treatment, impression molding was done using the pick-up method. Then the dental crown was prepared and placed on the implant by cementing method. The result of this prosthesis is a good indicator of complete and perfect treatment. The result of the treatment after 5 years can be seen in the pictures.

Treatment planning and timing:

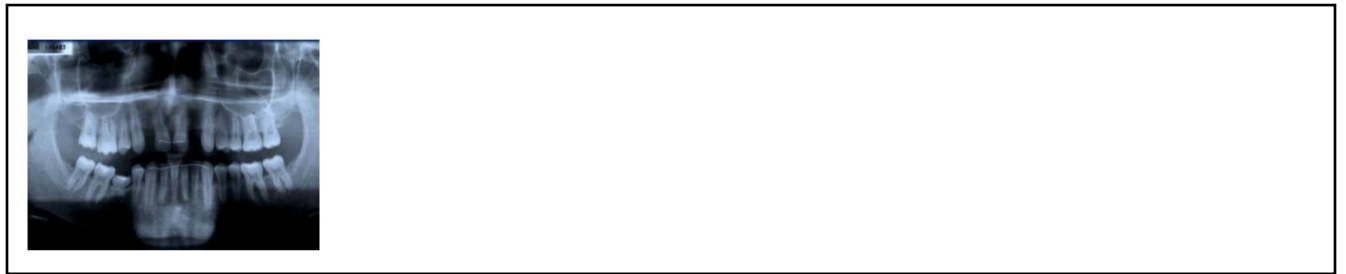
The patient is edentulous in his right and left maxillary teeth number 2. Two fixtures with a diameter of 3.4 and a height of 10 were selected in this area due to limited space. The surgery was performed well and Healing was closed for the patient three months after the fixture surgery. After one month, the final prosthesis was made

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using a 15-degree angled abutment, and G/H 2 was done. The result of the treatment is visible after two years without the slightest gingival erosion and beautifully.

Patient Clinical Situation:



Surgery procedure:



Prosthetic procedure:



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