

Manufacturer since 1991

Company Profile

Dental osteointegrated implantology



An innovation that speaks about health



In my work, as in my collaborators', technological innovation in dentistry is essential. However, continued research cannot disregard an ethical value that we place above everything we do: our patients' health – that does not simply refer to a momentary well-being, but that becomes permanent with our osseointegrated devices. They are guaranteed for life, and they are the end result of our research, which, since 1991, we have been developing in collaboration with prestigious Universities and Scientific studies, with clinicians and international researchers, putting our implants to thorough checks.

Our work is driven by the improvement of a patient's life: a factor which, together with the mechanical skills – derived from a passion of mine since I was an adolescent – has always characterized our company's history.

It is a challenge that we choose to accept every day in order to evolve, knowing that every small achievement will correspond to a benefit for people's health.

Forgive us for our sense of pride, but we don't overlook on quality.

Sergio Moro

CEO and president of Oralplant Switzerland and Italy

ORALPLANT SUISSE SA
Mendrisio - Switzerland



ORALPLANT S.R.L.
Cordenons (PN) - Italy





Headquarters, commercial - productive site, Mendrisio Switzerland

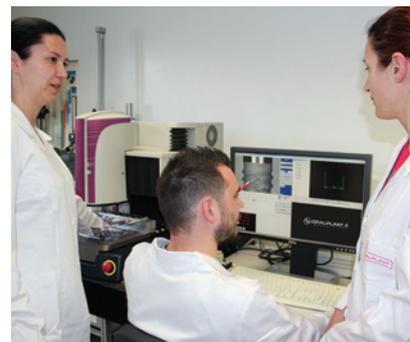
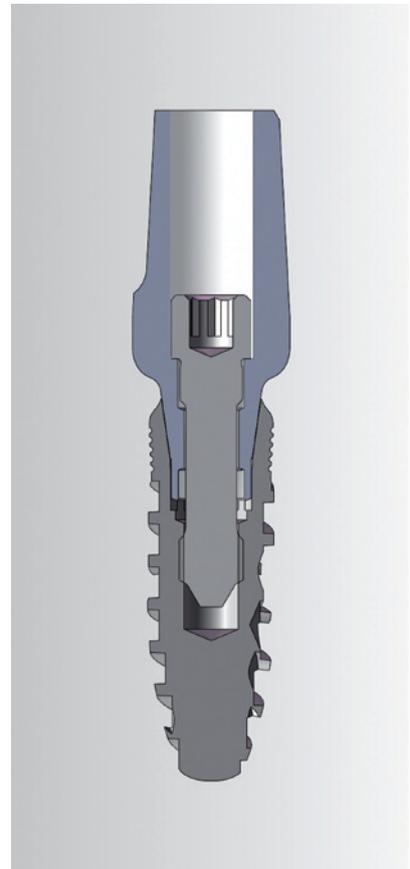


Commercial - productive site, Cordenons Italy



Results are measured in well-being

Inventive technique and careful design. The origin and the development of an Oralplant implant that is reliable in time starts from here. We exclusively develop our original patents by constantly studying new surgical and prosthetic processes and by pushing research to an extreme precision, thanks to the collaboration of international specialists and to a rigorous analysis and testing process of each piece.



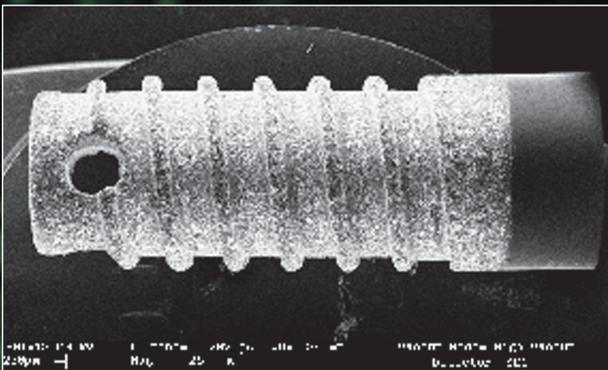
We don't settle for excellence

We have always been operating in the biomedical field, taking particular care in the choice of materials and machinery for the production of implant devices. The high level technology of CNC machines has been sided by our patented solutions to make them evolve further with special equipment and to allow us to fine tune the durability and reliability of our production. This has allowed us to communicate more incisively with dental professionals and to also satisfy their more specific requests for custom designed devices.



Surface Treatment

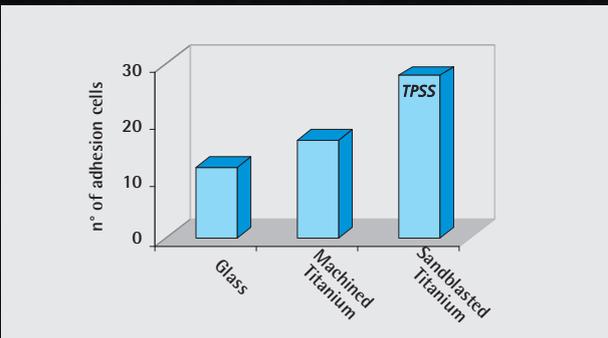
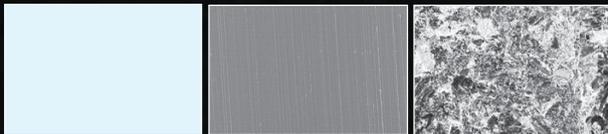
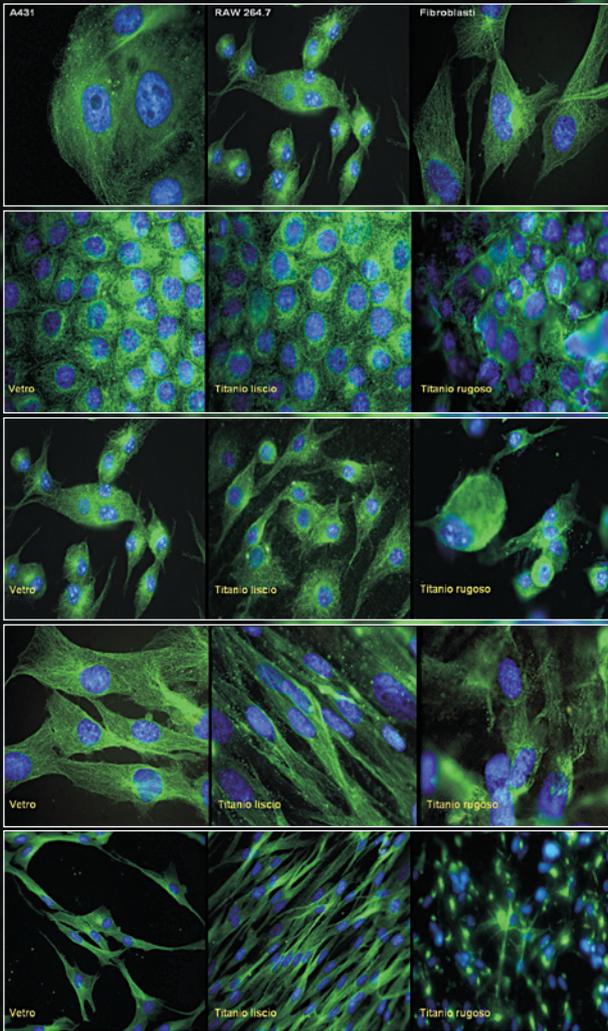
TPSS[®]



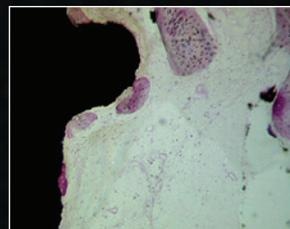
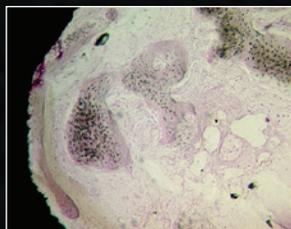
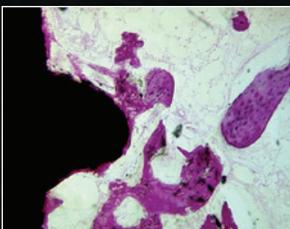
The surface treatment by means of our patented TPSS (Titanium Pull Spray Superficial) is a delicate and decisive step for the osseointegration of the Oralplant implants. Thanks to this treatment we can obtain rounded and porous cavities through the surface extraction of metal parts that do not undergo molecular variations or thermal stresses.

The periodic checks, which patients must go through, confirm the effectiveness of our implants and the choice to treat them with a collar that is partially lapped smooth and partially TPSS treated, so that it can ensure optimum hygiene even in cases of very pointed ridges or natural bone resorption.

Images taken from the publication "Implantologia Pratica" (Practical Implantology), ref. ISBN 88 901741 02, chapter: "Superfici Implantari" (Implant Surfaces), authors: *Antonio Scarano, *Maurizio Piattelli*
Università degli Studi "G. D'Annunzio", Chieti - Pescara



Images taken from the publication "Implantologia Pratica" (Practical Implantology), ref. ISBN 88 901741 02, chapter: "Adesione Cellulare su Materiali Biocompatibili" (Cellular Adhesion on Biocompatible Materials), authors: *Maristella Di Carmine, *Marco Marchisio, *Sebastiano Miscia - Università degli Studi "G. D'Annunzio", Chieti - Pescara



Scientific research confirms the high quality of Oralplant



MCS Researchers Group at the 4th Oralplant Congress

MCS Multicenter Clinical Study

Analysis and research, thus confirming implant treatment, are the basis of the Oralplant MCS comparative studies; the comparative review of the results obtained is an important parameter for the scientific Implantologist.

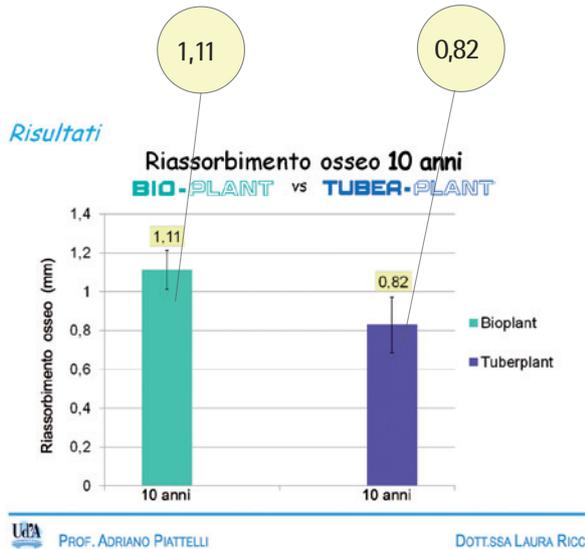
27 professionals who, through the use of Bio-Plant, Tuber-Plant, Koni-Plant and Koni-Plant M implants, have been able to evaluate, with step by step clinical protocols, the survival rate of prosthetic implants.

Periodic checks on duly informed and involved patients have allowed the drawing up of a final report on 10 years of follow-up through the MCS-01/01 research showing a success rate of 99.11% on 113 Bio-Plant and Tuber-Plant implants used, with an average bone resorption not exceeding 1.11 mm, for the Bio-Plant type and not more than 0.82 mm for the Tuber-Plant type (see publication on «Quintessenza Implantologia» 2012; 3:37-44). More positive results are also confirmed by the new Multicentre Clinical Study MCS- 01/10 started in 2010, with Koni-Plant implants, with collars polished with OP-Lapping and Koni-Plant M implants with collars subject to Microtreatment with circular machining and "TPSS-Light". This latest research is aimed at comparing the two types of collar and the rate of survival of the implants, that to date is 100% for the first 165 rooted implants.

At 10 years' distance from the functional insertion of the implants it was possible to recall 67 patients from the same study cohort for a total of 113 Bio-Plant and Tuber-Plant implants, in order to radiographically evaluate the peri-implant bone resorption and implant survival rate. A successful implant survival of 99.11% and an average bone loss of 0.96 mm.



TUBER-PLANT® BIO-PLANT®



Risultati
Sopravvivenza implantare

Follow-up a 1 anno				Follow-up a 10 anni			
Tipo Impianto	N. impianti	N. impianti falliti	Sopravvivenza implantare (%)	Tipo Impianto	N. impianti	N. impianti falliti	Sopravvivenza implantare (%)
TUBER-PLANT	88	0	100	TUBER-PLANT	46	0	100
BIO-PLANT	72	0	100	BIO-PLANT	67	1*	98,50
TOTALE	160	0	100	TOTALE	113	1	99,11

* Pz: diabete scompensato; sede: mandibola (46)

UFA PROF. ADRIANO PIATTELLI DOTT.SSA LAURA RICCI

1 year after functional insertion of Koni Plant and Koni-Plant M systems it was possible to recall 9.1% of patients from the same study cohort to evaluate the first results of success and survival rates. A successful implant survival rate of 100% and a bone loss of 0 mm was confirmed.



KONI-PLANT® KONI-PLANT® M

Risultati preliminari
(raccolta dati dal 20 gennaio 2011 al 3 marzo 2012)

Riassorbimento osseo e Profondità di sondaggio (Probing depth*)

Tipo Impianto	N Imp. valutati	Follow-up 6 mesi		Follow-up 1 anno	
		Riassorbimento osseo (mm) (media ± DS)	Profondità di sondaggio (mm) (media ± DS)	Riassorbimento osseo (mm) (media ± DS)	Profondità di sondaggio (mm) (media ± DS)
KONIPLANT K	24	0.56 ± 0.49	0.53 ± 0.57	12,5%	0
KONIPLANT KM	20	0.60 ± 0.52	0.64 ± 0.52	5%	0
TOTALE	44	0.57 ± 0.51	0.63 ± 0.55	9,1%	0

SD: deviazione standard (*Ficellini & Weber 1994)

UFA PROF. ADRIANO PIATTELLI DOTT. LORENZO RAVERA DOTT.SSA LAURA RICCI

Risultati preliminari
(raccolta dati dal 20 gennaio 2011 al 3 marzo 2012)

Sopravvivenza implantare

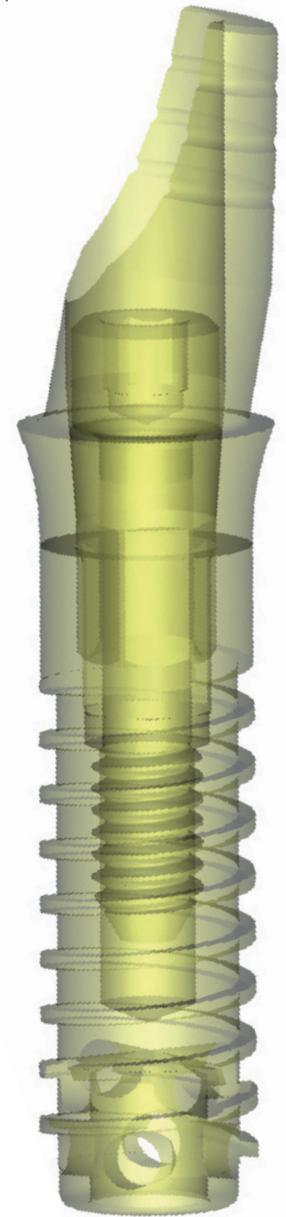
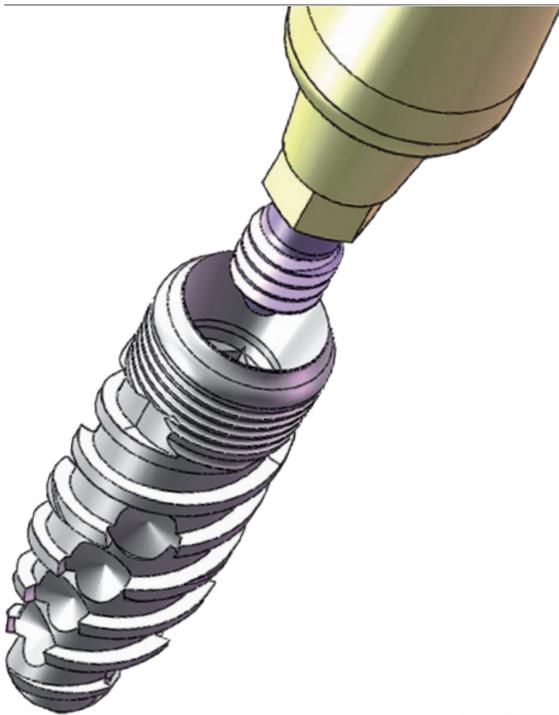
Tipo Impianto	Impianti analizzati	Follow-up 6 mesi		Follow-up 1 anno	
		N. Impianti falliti	Sopravvivenza implantare (%)	N. Impianti falliti	Sopravvivenza implantare (%)
KONIPLANT K	24	0	100	12,5%	0
KONIPLANT KM	20	0	100	5%	0
TOTALE	44	0	100	9,1%	0

UFA PROF. ADRIANO PIATTELLI DOTT. LORENZO RAVERA DOTT.SSA LAURA RICCI

Continuous research

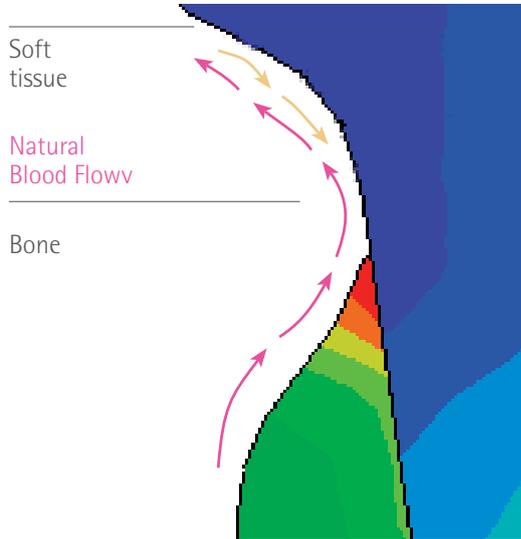
Traditional implantology is increasingly seeking only the aesthetics in implant-prosthetic devices, often at the expense of the physical-mechanical structure. On the opposite side, our primary objective is the design of flexible and durable solutions over time; the results have proven us right and the continued research drives us to constantly improve the characteristics of materials and metals and to test the modalities of application. This resulted in a highly reliable offer with aesthetic and functional effects that can support the load and the traumas of natural chewing.

BCCO[®] Biological Conical Connection Oralplant

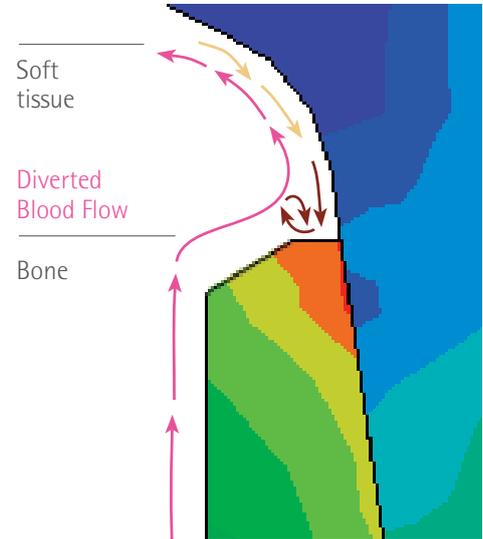


BFCO[®] Biological Flat to Flat Connection Oralplant

BCCO - Oralplant Conical Connection

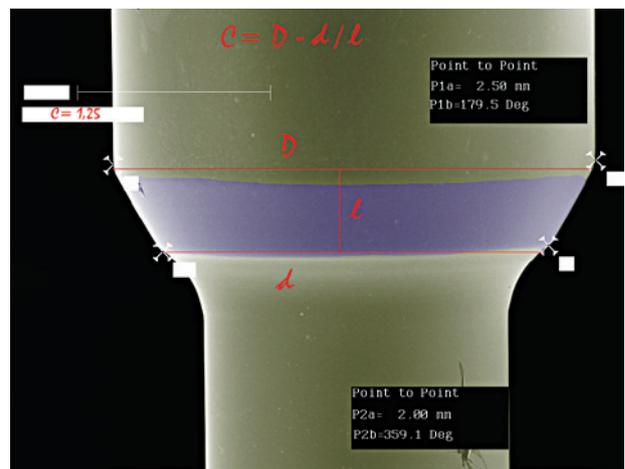
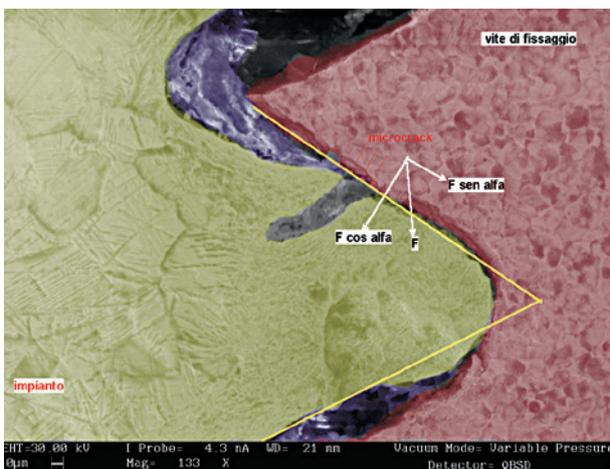
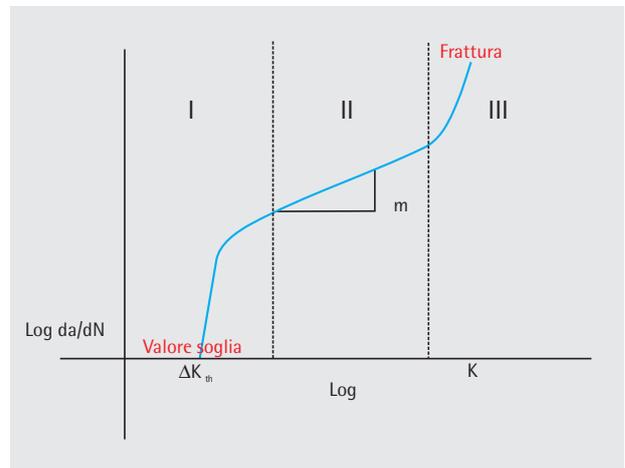
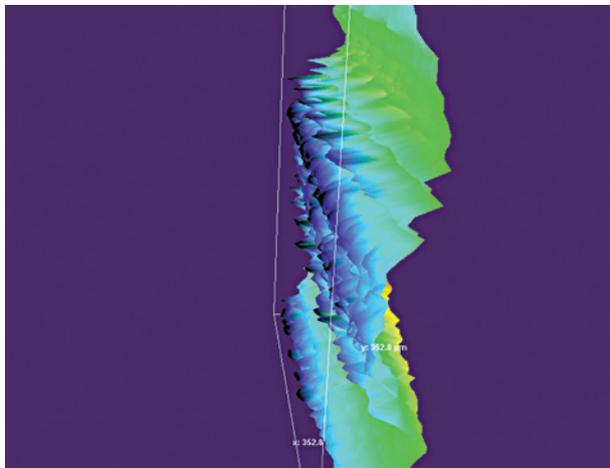


Standard Conical Connection



■ Diverted Blood Flow
 ■ Gum seal area
 ■ Area with absent blood flow

Comparative Study for Solicitation Stress between BCCO connection and Cone Morse with an FEM finite element method.



Prosthetics: Oralplant high range

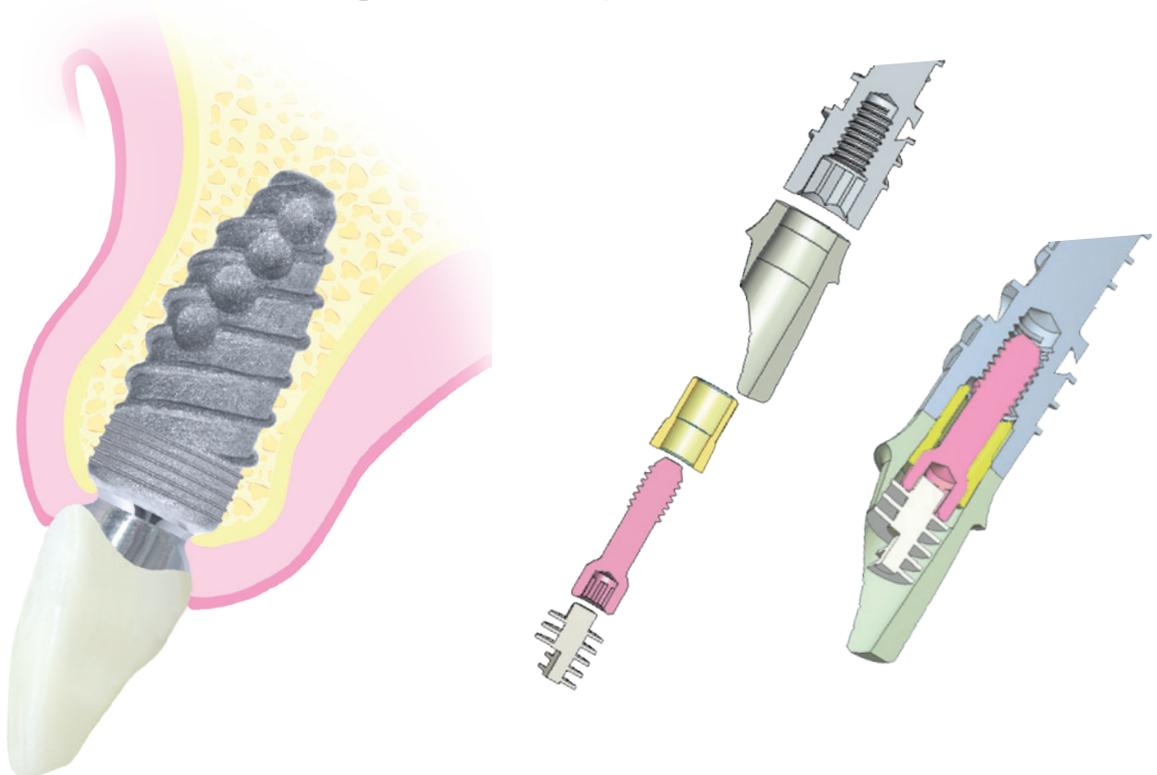
Functionality and aesthetics are therefore essential characteristics for a high level implant. For this purpose, Oralplant has developed the exclusive "OP-System", a hexagonal-tapered coupling solution that allows you to orient and block the pre-angled prosthetic abutment (10, 20, 30 and 35 degrees) in any desired position in the 360 degrees as well as a pre-angled prosthetic in 30 degrees- the only one of its kind - for the overdenture which has been developed thanks to the OP-System locking system.

There are other Oralplant prosthetic innovations, deriving from our experience and knowledge, such as the "Anatomic abutment OP-System" and the "Anatomical Gingival Modelling MAGO OP-System": important new features of gingival emergency anatomy similar to that of the natural tooth, addressed to a concept of immediate, functional and aesthetic prosthetics. Requirements of complex interventions have led our Oralplant research group to experiment and refine the "OP-Sfil" solution, featuring a removable element that allows an easy insertion and withdrawal of the prosthetic device, even with the presence of accentuated disparallelism. This solution, neutralizing the undercut, is also used to take the dental impression with the "Coping OP-Sfil".

An interesting Solution, that has given a new change to prosthetic overdentures, is the innovation of the fixing system with the "Over-Block" damped anchor, whose main feature consists in an important resilience of overdentures to safeguard implants and roots from severe axial and side stresses. Finally, Oralplant has over 540 prefabricated abutments for high-end prosthetic solutions.

OP-SYSTEM[®] anatomic

360 Degrees of Easy Parallelism





Images from the Book "Implantoprotesi Scienza ed Arte" by L. Zamuner

MAGO Anatomic OP-System range: Prefabricated abutments for final insertion

	+1	+2	+3	+4	+4	+6	+6
Maxillary							
	+1	+2	+3	+4	+4	+6	+6
Mandibular							
	-1	-1	+4	+4	+4	+6	+6

The training of implantology professionals

Oralplant promotes and regularly conducts theoretical and practical specialized training courses in dentistry. A highly skilled team of professionals is available to update and support those who, among dentists, dental technicians and their assistants, wish to approach or improve their skills in implantology. The annual conferences instead, where international industry experts and technical speakers take turns in discussing our methods and our simplified protocols, are an important opportunity for discussion, analysis and sharing of clinical case studies and of the results obtained by the Oralplant implants.





Published Bibliography



Implants



IMPLANT RANGE

IDENTIFYING STAMP OF THE IMPLANT RANGE COLOUR CODE

"An" IMPLANT - ABUTMENT CONNECTION TYPE



IMPLANT RANGE	IDENTIFYING STAMP OF THE IMPLANT RANGE COLOUR CODE	Colour	E	CE	CM	SE	EM
KONI-PLANT®	K	Orange	•				
KONI-PLANT® M	K M	Orange	•				
KONI-PLANT® P	K P	Orange	•				
KONI-PLANT® C	K C	Orange		•			
UNI-PLANT®	U	Red	•				
UNI-PLANT® M	U M	Red	•				
BIO-PLANT®	B	Green	•				
BIO-PLANT® M	B M	Orange	•				
TUBER-PLANT®	T	Blue	•				
TUBER-PLANT® M	T M	Blue	•				
TUBER-PLANT® S	T S	Blue	•			•	
TUBER-PLANT® SC	T SC	Blue			•		
TUBER-BI® P	TB P	Cyan	•				
TUBER-BI®	TB	Cyan	•				
MINI-PLANT®	M	Grey					•

Colour code with reference to: "ØI" Implant diameter in mm

COLOUR CODE		Ø I
2.5 Light Blue	=	2.5
3.3 Light Pink	=	3.3
3.8 Neutral	=	3.8
4.5 Navy	=	4.5
5.0 Light Sea Green	=	5.0
5.7 Yellow	=	5.7
7.0 Bronze	=	7.0
8.0 Purple	=	8.0
9.0 Cyan	=	9.0

Colour code with reference to the: "Ø An" Abutment Anchoring diameter in mm

COLOUR CODE		Ø An
2.5 Light Blue	=	2.5
3.1 Neutral	=	3.1
3.3 Light Pink	=	3.3
3.8 Neutral	=	3.8
4.0 Neutral	=	4.0
4.5 Navy	=	4.5
5.0 Light Sea Green	=	5.0
5.7 Yellow	=	5.7
7.0 Bronze	=	7.0



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The quality system of Oralplant has been found to comply with the requirements of

UNI EN ISO 9001:2008 EN ISO 13485:2003

EC - CERTIFICATE MDD Medical Device Directive