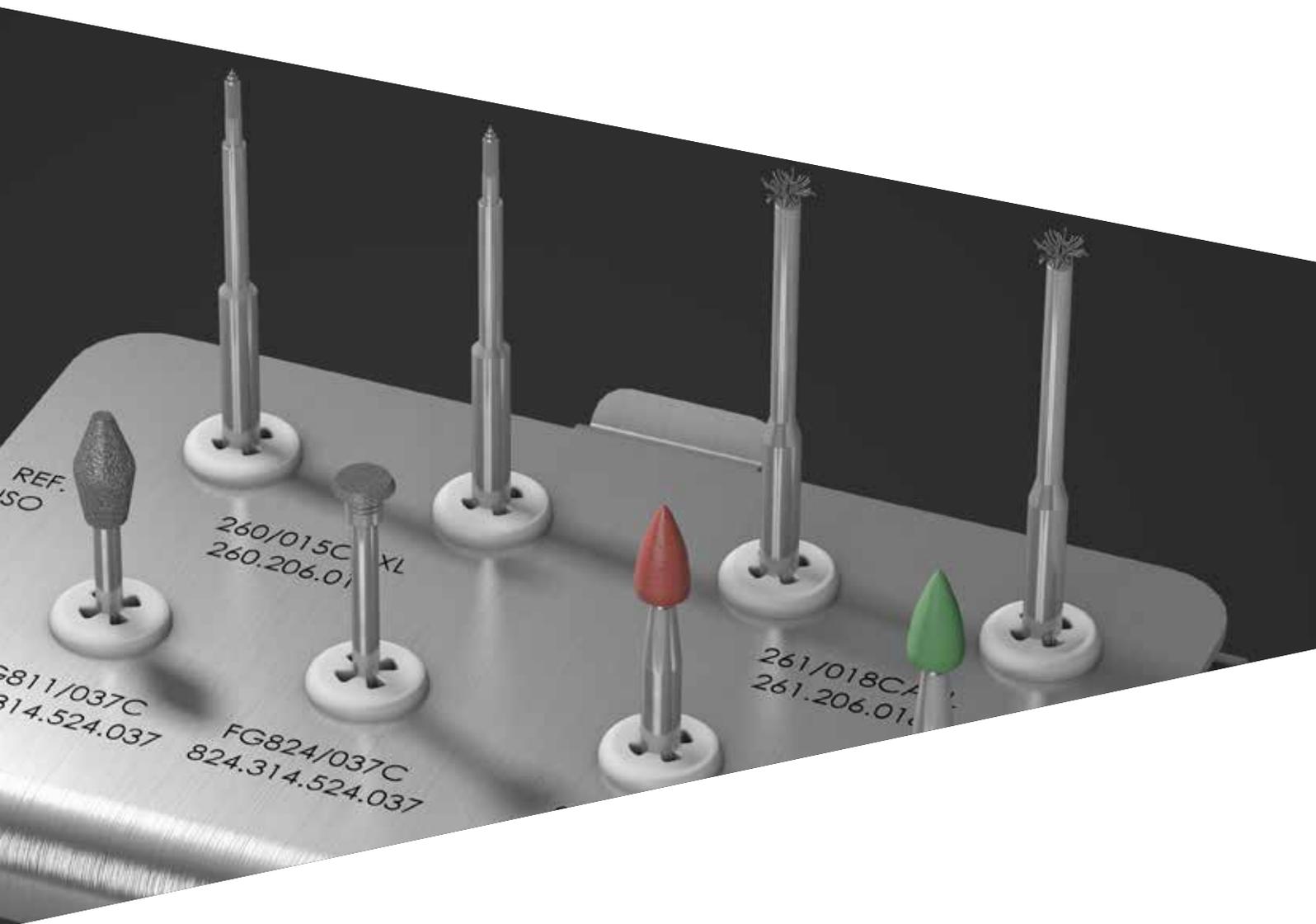


PERI-SET

Surgical treatment of
periimplantitis



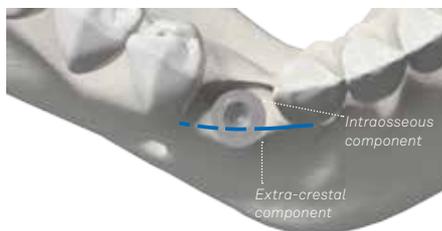
PERI-SET

Surgical treatment of defects caused by periimplantitis

Periimplantitis represents the most serious site-specific biological complication which affects osseointegrated dental implants following prosthetic restoration. The distinctive feature of this pathology is periimplant bone reabsorption, which can manifest itself both vertically and horizontally, or better three-dimensionally, exposing part of the body and threads of the implant.



Healthy implant

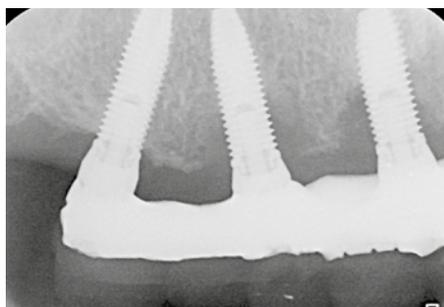


Implant with periimplantitis

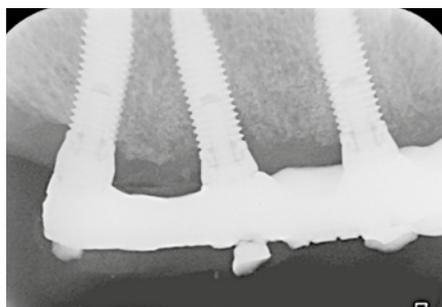
Three-dimensional view of the same periimplant defect (occlusal view and vestibular view)

PERI-SET was created by the collaboration between two Italian doctors, dr. Giuseppe Corrente and dr. Roberto Abundo who, over the years, have perfected effective and repeatable sequences to recover situations which were seriously compromised due to periimplantitis. Their experience has influenced the presence of different types of instruments in the PERI-SET kit, whose use depends on the anatomical features of the periimplant defect to be treated. The follow-up of numerous cases treated confirms the real possibility of recovering hard and soft tissues which remain stable over time.

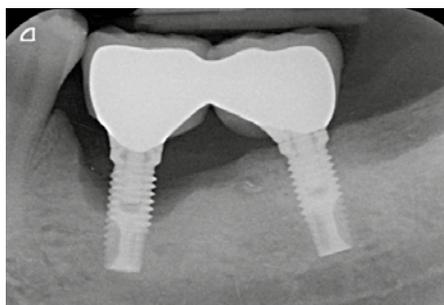
Radiography Follow-up



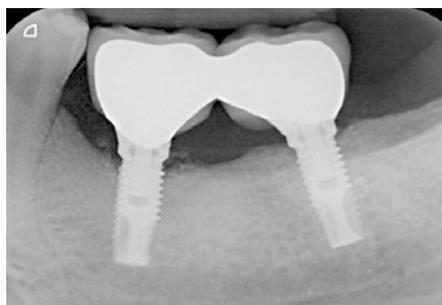
Initial situation



Follow-up after 1 year



Initial situation



Follow-up after 3 years

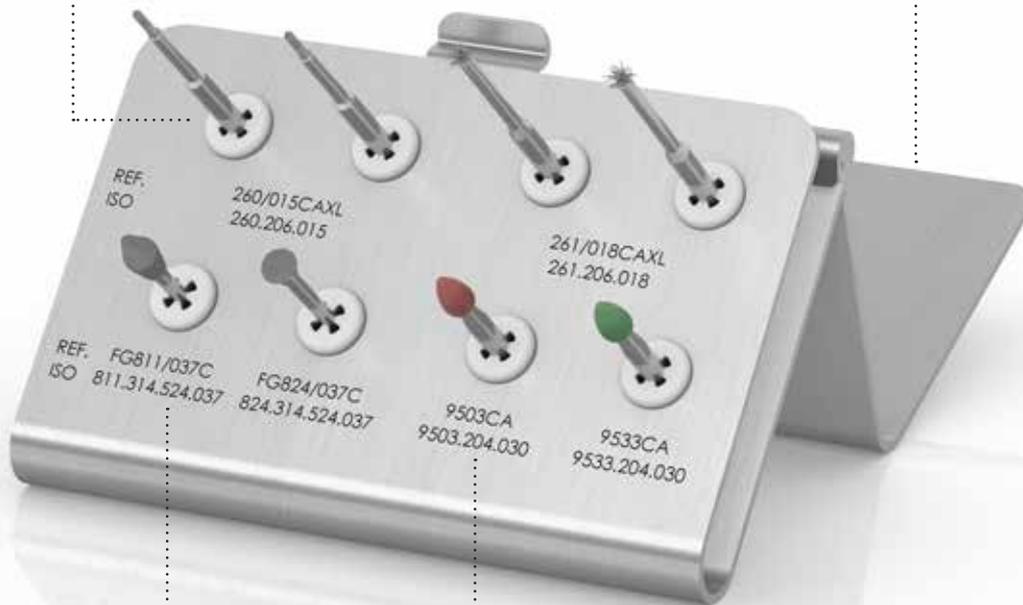
PERI-SET

The crucial issue for the treatment of periimplantitis is the difficulty in completely removing pathogens and damaged tissues from the surface of the implant and, at the same time, restoring the macro and microgeometry of the surface making it suitable again for the hard and soft tissues. This kit has been developed in order that a decontamination protocol of the implant's surface microgeometry and modification of its macrogeometry can be reproduced by odontologists with a view to optimal healing of tissue.

PERI-SET contains 2 types of disposable brushes, one with a pointed tip and one with open bristles, for a thorough cleaning of the surface. In addition there is a diamond drill and disk used for implantoplasty, as well as two different coloured tapered rubber tips for completing the treatment. The instruments are contained in a practical instrument holder made of stainless steel which can be sterilized and is autoclavable; it also allows the instruments to be organized ergonomically.

The two disposable brushes with a pointed tip and two with open bristles included in the kit are not to be sterilized and reused but are to be replaced after every use.

When the cover is open, the base of the instrument holder is placed at an angle allowing better working ergonomics.



The morphology of the diamond instruments allows the implant surface to be abraded without needing to remove the prosthesis.

The tapered rubber tips can be distinguished thanks to the two different colours (red and green).

Contents of PERI-SET kit

description	code	quantity
<p>Pointed nickel-titanium brush Attachment for right angle</p> <p>Disposable</p>	<p>260/015CAXL</p> 	<p>2</p>
<p>Brush with open nickel-titanium bristles Attachment for right angle</p> <p>Disposable</p>	<p>261/018CAXL</p> 	<p>2</p>
<p>Diamond drill with double cone Medium grain Attachment for turbine</p>	<p>FG811/037C</p> 	<p>1</p>
<p>Diamond disc Medium grain Attachment for turbine</p>	<p>FG824/037C</p> 	<p>1</p>
<p>Tapered rubber tip, red Attachment for right angle</p>	<p>9503CA</p> 	<p>1</p>
<p>Tapered rubber tip, green, fine grain Attachment for right angle</p>	<p>9533CA</p> 	<p>1</p>
description	code	
<p>PERI-SET, Kit for surgical treatment of periimplantitis containing no. 8 instruments</p>	<p>Z4600</p> 	
<p>Empty tray</p>	<p>4600</p> 	

Instrumentation

Pointed brush 260/015CAXL



Brush with nickel-titanium bristles. It is used with a 300-600 rpm micromotor to carry out cleaning of the implant's surface, in particular the surface of the threads. It must be used with a horizontal movement along the pitch of the thread or with vertical movements in a coronal and then apicocoronal direction. This brush is disposable.

Brush with open bristles 261/018CAXL



Brush with open nickel-titanium bristles. It is used with a 300-600 rpm micromotor to carry out cleaning of the implant's surface, placing the brush's fibers perpendicularly to the surface. This brush is disposable.

Diamond drill FG811/037C



The diamond head of this drill has a double cone shape. It is used with a red ring reducer handpiece or with a turbine to carry out the resection of the threads and the first step of smoothing the portions outside the bone levels, both horizontally and vertically. The pronounced angle of the head's surface enables work to be performed along the external profile of the implant, including situations in which it is not possible to remove, even temporarily, the prosthetic over-structure connected to the implant affected by peri-implantitis.

Diamond disc FG824/037C



This diamond instrument has a disk-shaped head. It is used with a red ring reducer handpiece or with a turbine to carry out the resection and the first step of smoothing the portions of the implant's surface and threads outside the horizontal and vertical bone levels. The disc's flat shape and small diameter enable work to be performed perpendicularly to the external profile of the fixture, including situations in which it is not possible to remove, even temporarily, the prosthetic over-structure connected to the implant.

Red rubber polisher 9503CA



This instrument can be recognized by its red head. It is operated with a micromotor and must be used at approximately 1200 rpm to perform polishing of the portions of the implant's surface external to the horizontal and vertical bone levels.

Green rubber polisher 9533CA



Similar to the red rubber polisher, but with a finer grain, this is operated with a micromotor at approximately 1200 rpm to carry out the final step in polishing the portions of the implant's surface outside the horizontal and vertical bone levels.

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