

IMPLANT SYSTEM

**XCN<sup>®</sup>**

ABUTMENTS FOR  
CEMENT-RETAINED  
PROSTHESIS  
AND IMPRESSION ACCESSORIES



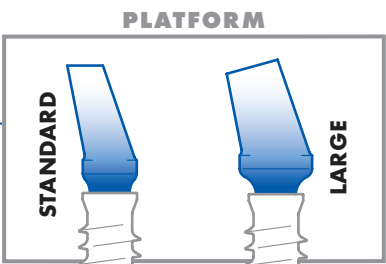
# ABUTMENTS FOR CEMENT-RETAINED PROSTHESIS AND IMPRESSION ACCESSORIES

## Ideal for

- single crowns
- partial edentulism (bridges)
- complete edentulism (Full-arch)
- immediate loading

## Standard and Large platform

Thanks to Platform Switching, it is possible to choose the most appropriate abutment diameter for the clinical situation. Healing caps and transfers dedicated to the platform allow for excellent results in soft tissue conditioning and impression taking.



## Extra-oral cementation

The XCN® connection system permits procedures that are not possible with screwed connection systems, such as extra-oral cementation, that eliminates the risks associated with excess cement remaining in the periimplant tissues.



Courtesy of Dr. S. Belcastro

## Solid abutments, without preparation limit

All XCN® abutments for cement-retained prosthesis are solid, without a screw channel. As a result, the abutments are totally customizable, easy to prepare, more aesthetic and stronger.



## MultiTech abutments, simply unique

The absence of a channel for the screw has made it possible to create a bonding base with an extremely thin and at the same time extremely strong bonding portion. The special geometry allows the fabrication of resistant and aesthetically pleasing customised abutments, even in the presence of low gingival thickness, deep mucosal tunnel and high disparallelism, as for example in the case of implants placed in the tuber region.



Courtesy of Dr. L. Palazzo



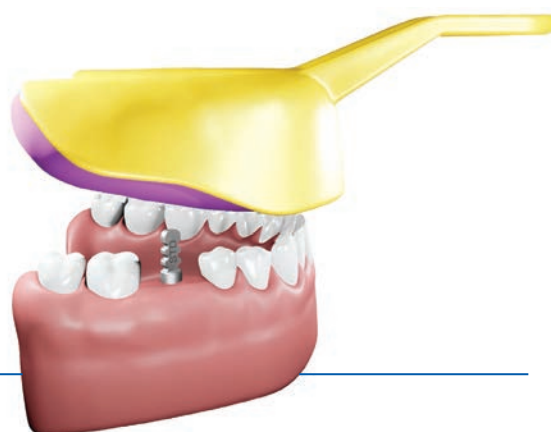
## Anatomical abutments with 360° connection

Ready-to-use abutments that simplify the dental technician's work with a wide range of angulations, pre-shaped shoulders in 4 different heights and the patented XCN® 360° connection.



## XCN® Implant Level impression, simple and precise

The XCN® connection considerably simplifies prosthetic procedures, starting with the impression taking. The split hexagon of the transfer is easily connected by friction to the internal hexagon of the implant, the stop indicates that the correct end position has been reached and the impression is taken with a closed tray.



## A solution for every need

PROVISIONAL



**TEMPORARY ABUTMENTS**  
Made of PEEK

CONVENTIONAL  
AND DIGITAL (DIRECT SCANNING)



**ABUTMENTS:**  
**BASIC, 360° ANATOMICAL, MULTITECH**  
Optimal for traditional techniques and direct scanning



DIGITAL

**ABUTMENTS:**  
**MULTITECH, TI-BASE**  
Inserted in the library of the most popular CAD-CAM software

# TEMPORARY ABUTMENT STANDARD AND LARGE



## Features

- made of PEEK
- for provisional prostheses
- radiolucent
- autoclavable

Pack of 1

## Necessary instruments

- selection of the most appropriate temporary abutment with the Abutment Gauges
- **straight abutments:** activation of the connection with the abutment seater with straight or offset titanium tip
- **angled abutments:** activation of the connection with the abutment seater with flat tip
- removal with extraction pliers

1:1

1:1

1:1

1:1

	<div>standard</div>	<div>large</div>	<div>standard</div>	<div>large</div>
<div><div><div><div></div><div></div></div><div>Ø connection (mm)</div></div></div>	2,2	2,2	3,0	3,0
<div><div><div><div></div><div></div></div><div>Ø prosthetic platform (mm)</div></div></div>	3,3	4,5	4,1	5,5
<div>REF</div>	<div>straight</div> <div>15° angled</div>	<div>161-3310-00</div> <div>161-3310-15</div>	<div>161-4110-00</div> <div>161-4110-15</div>	<div>161-5510-00</div> <div>161-5510-15</div>

1,5 mm

2 mm

standard

large

Ø prosthetic platform

10 mm

48

www.leone.it

## BASIC ABUTMENTS STANDARD AND LARGE



### Features


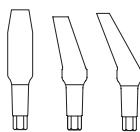
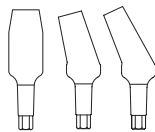
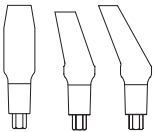
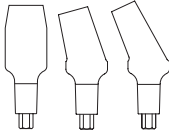
- made of medical grade 5 titanium
- ideal for vertical (feather-edge) preparation technique
- **Standard:** suitable for soft tissues with at least 2 mm thickness
- **Large:** suitable for soft tissues with at least 2.5 mm thickness

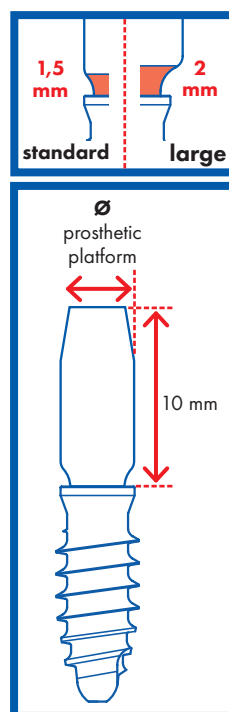
Pack of 1



### Necessary instruments

- selection of the most appropriate Basic Abutment with the Abutment Gauges
- **straight abutments:** activation of the connection with the abutment seater with straight or offset titanium tip
- **angled abutments:** activation of the connection with the abutment seater with flat tip

	1:1		1:1	
	standard	large	standard	large
				
Ø connection (mm)	2,2	2,2	3,0	3,0
Ø prosthetic platform (mm)	3,3	4,5	4,1	5,5
REF				
straight	<b>120-3310-33</b>	<b>120-3310-45</b>	<b>120-4110-41</b>	<b>120-4110-55</b>
15° angled	<b>124-3303-01</b>	<b>124-3303-03</b>	<b>124-4103-01</b>	<b>124-4103-03</b>
25° angled	<b>124-3303-02</b>	<b>124-3303-04</b>	<b>124-4103-02</b>	<b>124-4103-04</b>



# 360° ANATOMICAL ABUTMENTS STANDARD AND LARGE

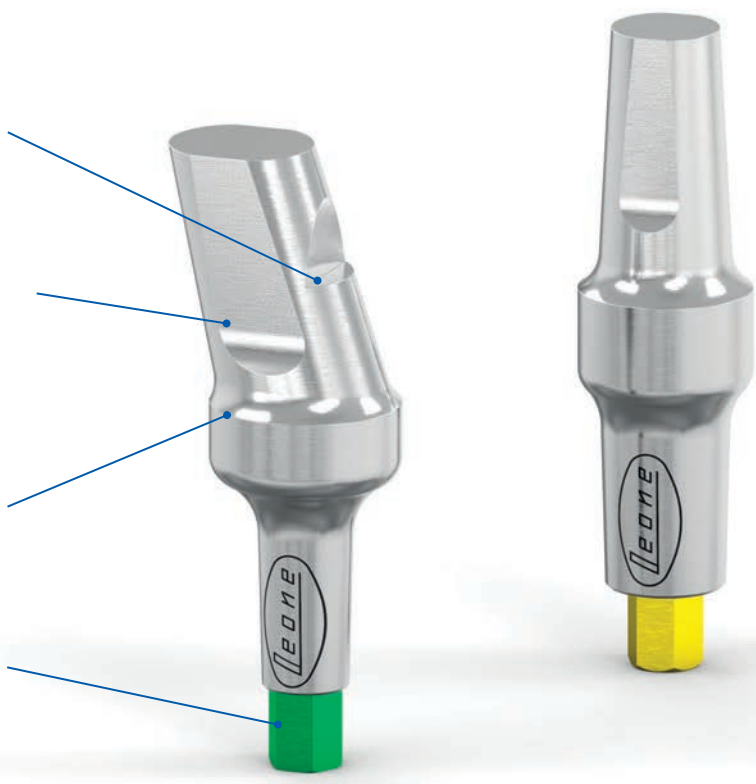


Step  
- parallel to the implant axis  
on all angled abutments,  
for correct activation of  
the connection

2 opposite plain faces  
- to improve the retention  
of crowns

Preformed  
abutment shoulder  
- in 4 gingival heights (GH)

XCN® 360° connection



## Features

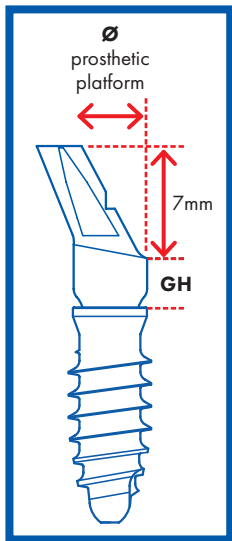
- made of medical grade 5 titanium
- ready to use, no or only limited need of preparation
- autoclavable

## Necessary instruments

- selection of the most appropriate 360° abutment with the Abutment Gauges
- **straight abutments:** activation of the connection with the abutment seater with straight or offset titanium tip
- **angled abutments:** activation of the connection with the abutment seater with flat tip



## Pack content

- 1 abutment
- 1 hexagon


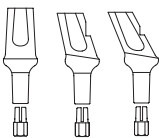
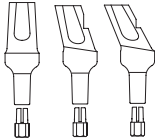





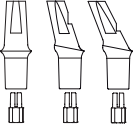
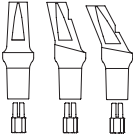
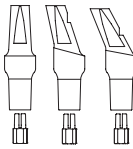
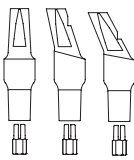
360° Anatomical abutments **standard**

						1:1			
Ø connection (mm)		2,2		2,2		2,2		2,2	
Ø prosthetic platform (mm)		3,3		3,3		3,3		3,3	
GH (mm)		1		2		3		4	
REF	straight	129-3300-03		129-3301-00		129-3302-00		129-3303-00	
	15° angled	129-3300-01		129-3301-01		129-3302-01		129-3303-01	
	25° angled	129-3300-02		129-3301-02		129-3302-02		129-3303-02	


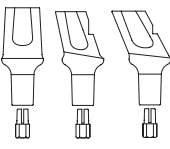
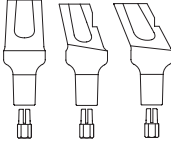
360° Anatomical abutments **large**

						1:1
Ø connection (mm)		2,2		2,2		
Ø prosthetic platform (mm)		4,5		4,5		
GH (mm)		2		3		
REF	straight	129-4501-00		129-4502-00		
	15° angled	129-4501-01		129-4502-01		
	25° angled	129-4501-02		129-4502-02		

360° Anatomical abutments **standard**





										1:1
Ø connection (mm)		3,0		3,0		3,0		3,0		
Ø prosthetic platform (mm)		4,1		4,1		4,1		4,1		
GH (mm)		1		2		3		4		
REF	straight	129-4100-03		129-4101-00		129-4102-00		129-4103-00		
	15° angled	129-4100-01		129-4101-01		129-4102-01		129-4103-01		
	25° angled	129-4100-02		129-4101-02		129-4102-02		129-4103-02		

360° Anatomical abutments **large**

						1:1
Ø connection (mm)		3,0		3,0		
Ø prosthetic platform (mm)		5,5		5,5		
GH (mm)		2		3		
REF	straight	129-5501-00		129-5502-00		
	15° angled	129-5501-01		129-5502-01		
	25° angled	129-5501-02		129-5502-02		

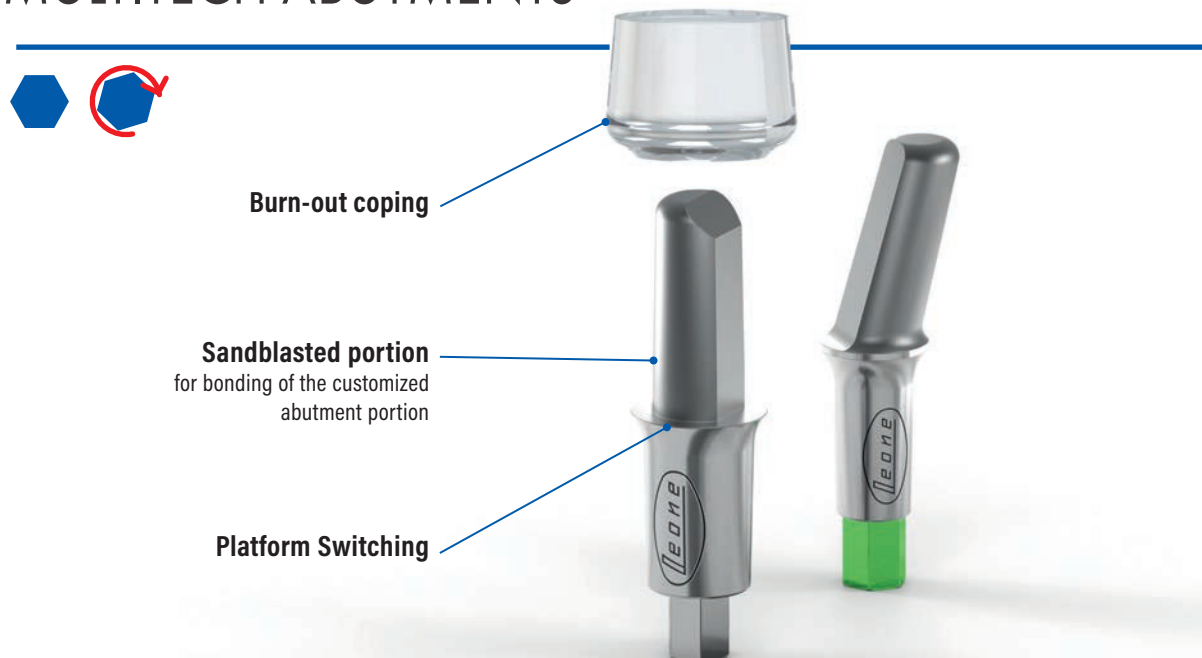
HEXAGONS FOR 360° ABUTMENTS

- made of medical grade 5 titanium
  - refill for abutments with XCN® 360° connection
  - autoclavable
- Pack of 2**

				1:1
for abutments with Ø connection (mm)				
		2,2		
				
		3,0		
REF	129-3300-00		129-4100-00	



## MULTITECH ABUTMENTS



### Features

- made of medical grade 5 titanium
- to fabricate a fully patient-customized abutment by creating an abutment portion to be bonded onto MultiTech
- to fabricate a customized abutment portion with CAD-CAM technology or with the traditional method by using the burn-out coping

**Pack content:** 1 abutment, 1 hexagon (for the angled abutments only), 2 burn-out copings

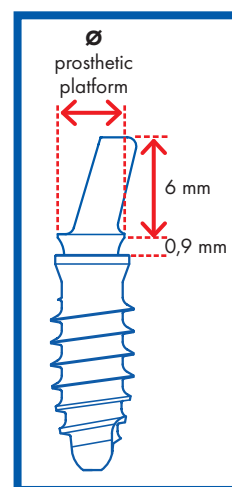
**Hybrid**  
titanium/zirconia  
abutment



### Necessary instruments

- selection of the most appropriate MultiTech abutment with the Abutment Gauges
- **straight abutments:** activation of the connection with the abutment seater with straight or offset PEEK tip
- **angled abutments with customized metal or zirconia portion:** activation of the connection with the abutment seater with flat tip

		1:1		1:1
Ø connection (mm)	2,2		3,0	
Ø prosthetic platform (mm)	2,9		3,7	
REF	straight 15° angled	<b>121-3306-00</b> <b>121-3306-15</b>	<b>121-4106-00</b> <b>121-4106-15</b>	



# TI-BASE ABUTMENT



## Features

- made of medical grade 5 titanium
- to create a monolithic dental crown with CAD-CAM technology
- to fabricate a fully patient-customized abutment by creating an abutment portion with CAD-CAM technology to be bonded onto Ti-Base
- coronal portion suitable for S blocks specific for CAM milling
- autoclavable






Pack of 1

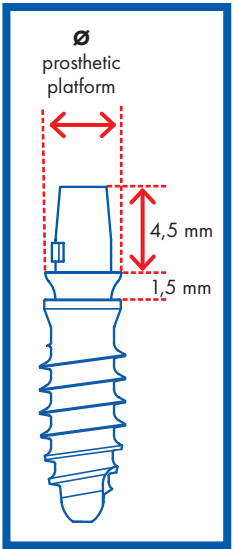


Courtesy of Dr. M. Pisa

## Necessary instruments

- **straight ceramic restorations:**  
activation of the connection with the abutment seater with straight or offset PEEK tip
- **angled ceramic restorations:**  
activation through the hole of the block (with the long bar supplied with the analog package)

			1:1
			
Ø connection (mm)	2,2	3,0	
Ø prosthetic platform (mm)	4,0	4,1	
REF	121-3305-51	121-4105-51	



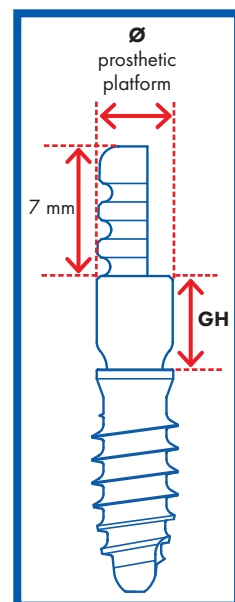
## TRANSFERS STANDARD AND LARGE

- made of stainless steel
- to take an impression at implant level with a closed impression tray
- colour-coded
- autoclavable

**Pack of 1**



	standard		large
Ø connection (mm)	2,2	2,2	2,2
Ø prosthetic platform (mm)	3,3	3,3	4,5
GH (mm)	5	8	5
REF	<b>141-3305-33 141-3308-33</b>		<b>141-3305-45</b>

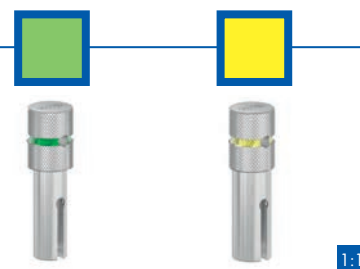


	standard		large
Ø connection (mm)	3,0	3,0	3,0
Ø prosthetic platform (mm)	4,1	4,1	5,5
GH (mm)	5	8	5
REF	<b>141-4105-41 141-4108-41</b>		<b>141-4105-55</b>

## POSITIONER FOR STANDARD TRANSFER

- made of stainless steel
- to place the transfer into the implant in hard-to-reach areas
- with a hole for the placement of a safety leash
- autoclavable

**Pack of 1**



REF **141-0001-33 141-0001-41**

## ANALOGS

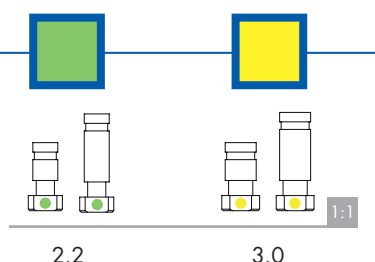
- made of stainless steel
- to replicate the position of the implant in the dental cast
- available in two versions: standard and long
- colour-coded

**Pack content:**

- 1 analog
- 1 pin
- 1 bar for the removal of the abutment



Ø connection (mm)



REF L 9 mm **142-3309-00 142-4109-00**  
L 13 mm **142-3313-00 142-4113-00**

SCAN POST AND SCAN BODIES INCLINED PLANE AND PYRAMID\*

- **Scan Post:** made of stainless steel
- **Scan Bodies:** made of plastic material
- to take a digital impression at implant level in the mouth or to digitize the dental cast in the laboratory
- autoclavable

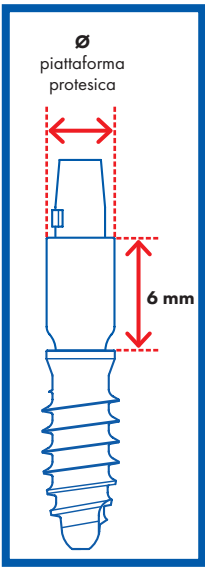
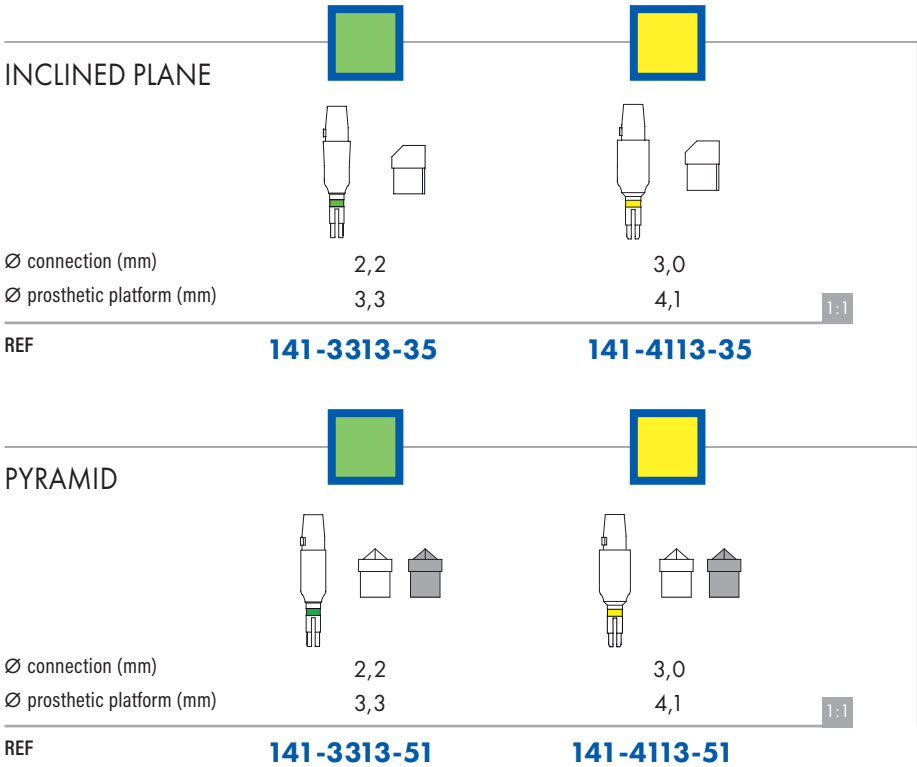
Pack content:

Inclined Plane

- 1 Scan Post
- 3 white Scan Bodies Inclined Plane

Pyramid

- 1 Scan Post
- 3 white Scan Bodies Pyramid
- 3 grey Scan Bodies Pyramid



SCAN BODY INCLINED PLANE

- made of plastic material
  - for Scan Post and Ti-Base
  - autoclavable
- Pack of 5 (white)



REF 141-0000-35

SCAN BODIES PYRAMID

- made of plastic material
  - for Scan Post and Ti-Base
  - autoclavable
- Pack of 10 (5 white and 5 grey)



REF 141-0000-51

## SCAN POST POSITIONER

- made of stainless steel
- to place the Scan Post into the implant
- with a hole for the placement of a safety leash
- autoclavable

**Pack of 1**



1:1

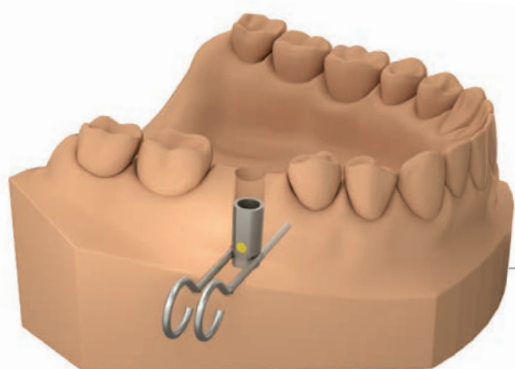
REF **141-0001-51**

## DIGITAL ANALOGS \*

- made of stainless steel
- to be positioned inside a rapid prototyping dental cast originated from an intraoral digital impression
- colour-coded

**Pack content:**

- 1 analog
- 1 positioner for analogs
- 2 pins for the stabilization within the cast
- 1 bar for the removal of the abutment



Ø connection  
(mm)



2,2

3,0

REF

**142-2209-54 142-3009-54**

\*On Leone web site it is possible to download the libraries of the CAD-CAM software in which Leone system is present:  
[www.leone.it/english/implantology](http://www.leone.it/english/implantology)