



## PROFILO AZIENDALE



1946 - RESISTA LAB. ←

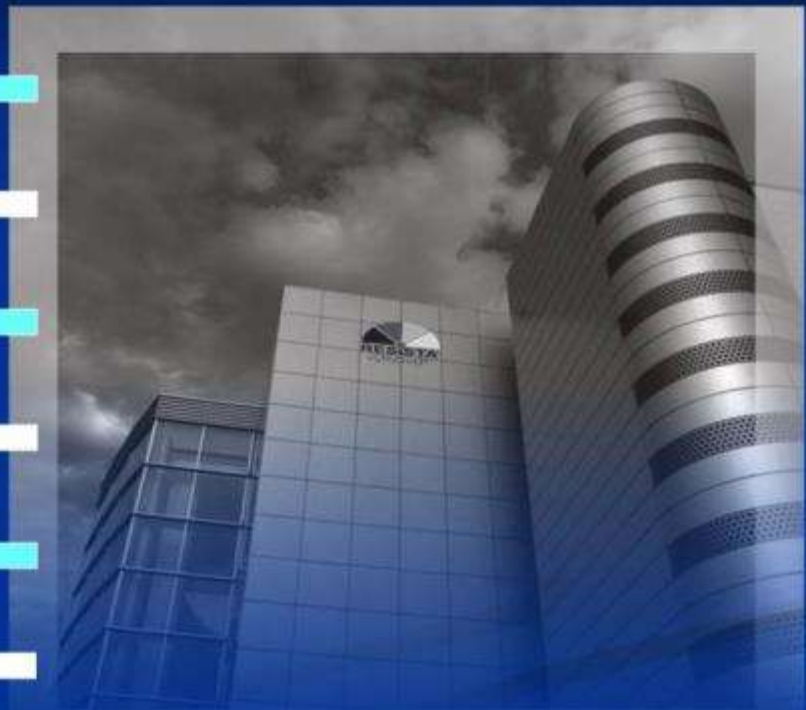
1985 - PERIPRESS ←

1990 - RESISTA CLIN. ←

2000 - UBS ←

2006 - IMPLANTOLOGY ←

2014 - DIGITAL ←

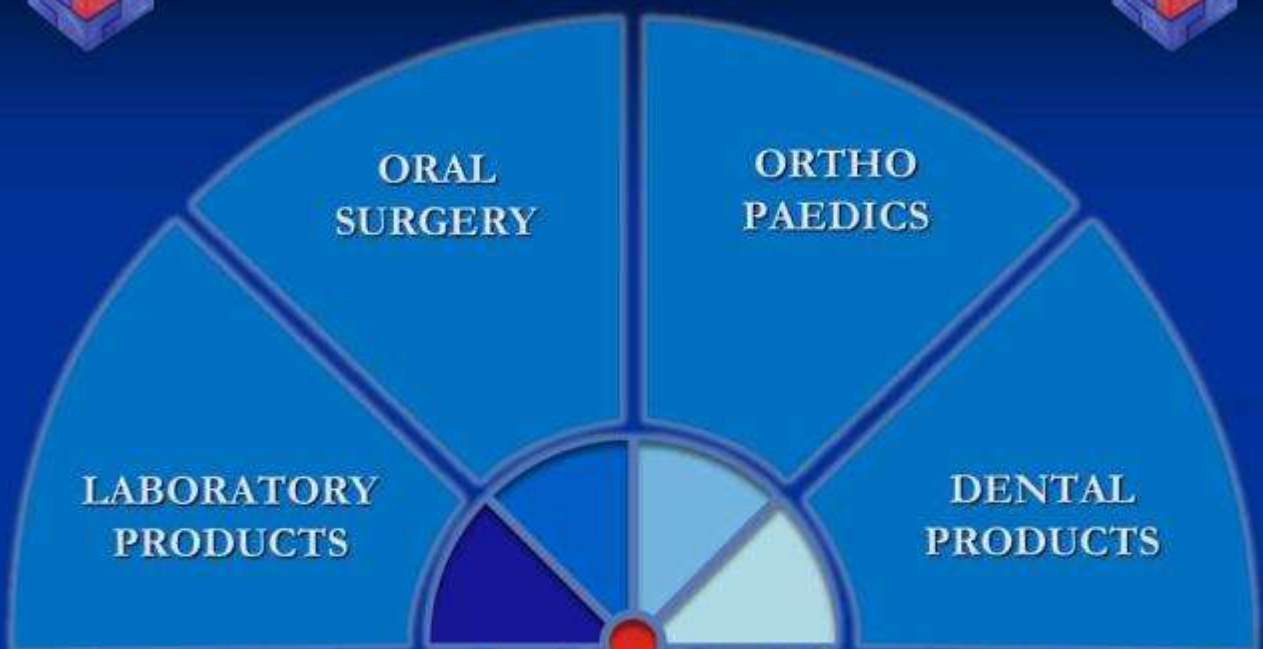




# INTERNATIONAL GROUP



**PRESENCE IN 35 COUNTRIES**



**RESISTA<sup>®</sup>**  
GROUP

# MEDICAL DEVICES MANUFACTURING



## ISO 13485 : 2004

# LA TECNOLOGIA



11 TORNIA VALORE NUMERICO

## LA TECNOLOGIA



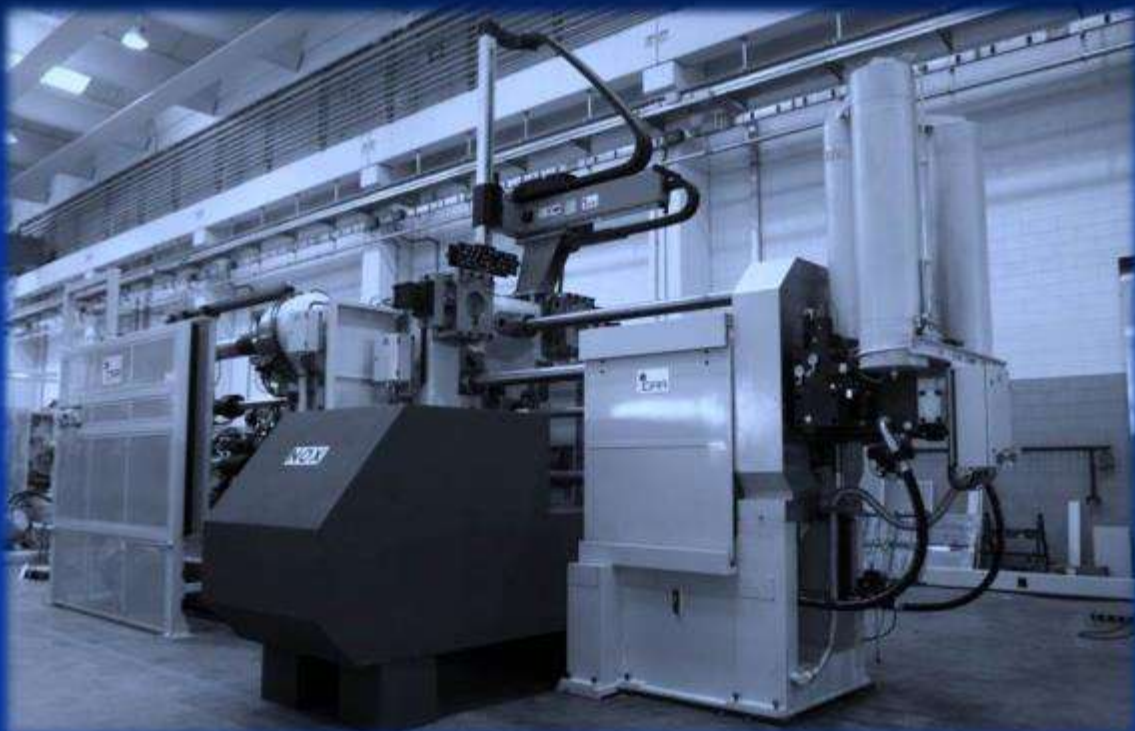
## LA TECNOLOGIA



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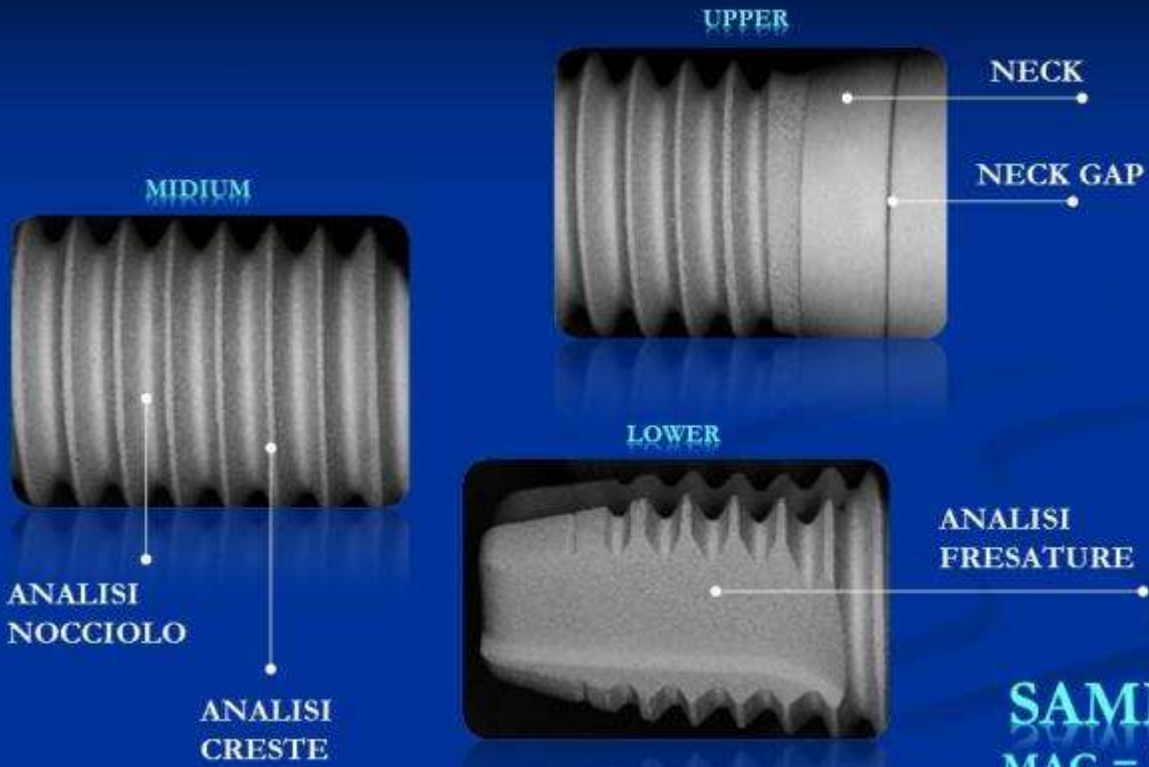
# 100% QUALITY



# LASER + OPTIC + MANUAL



# SEM CONTROL



**SAMM**  
MAG = 20X

# XPS DI SUPERFICIE



# IL NOSTRO PROGETTO FORTE E LOGICO



## IL PROGETTO SOMMERSO ESAGONO ESTERNO

CYLINDER



3.4

3.8

4.2

5.0

K-TAPERED



3.8

4.6

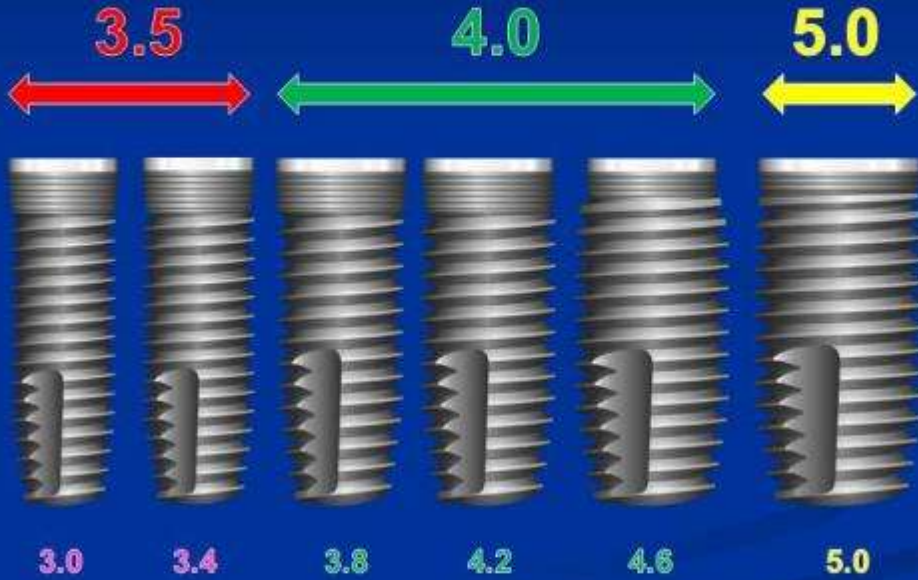
SHORT



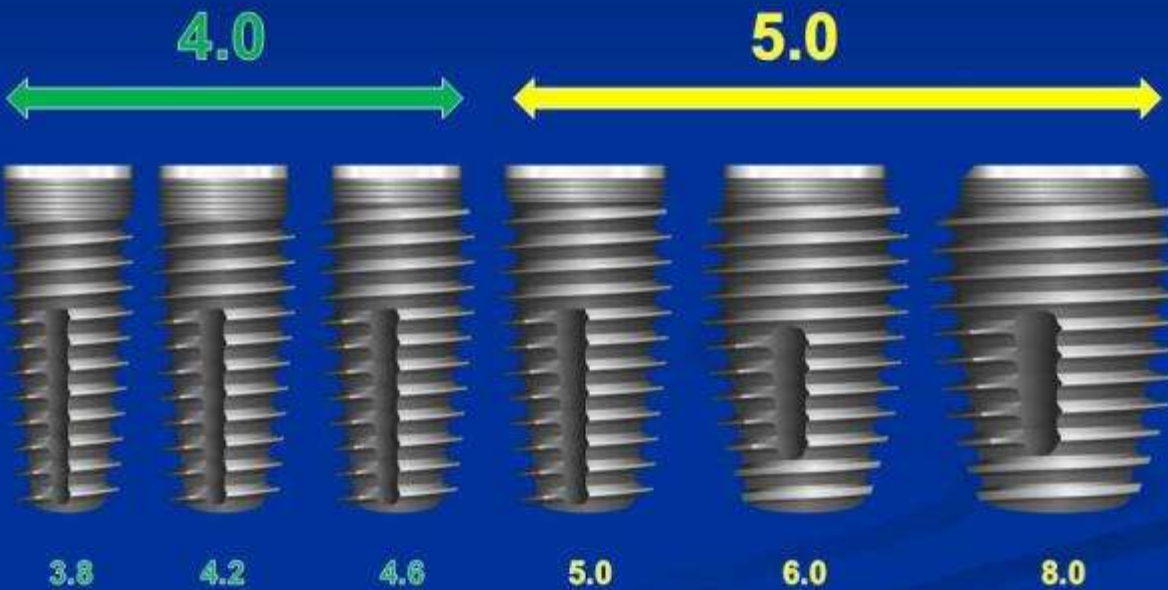
4.2

5.0

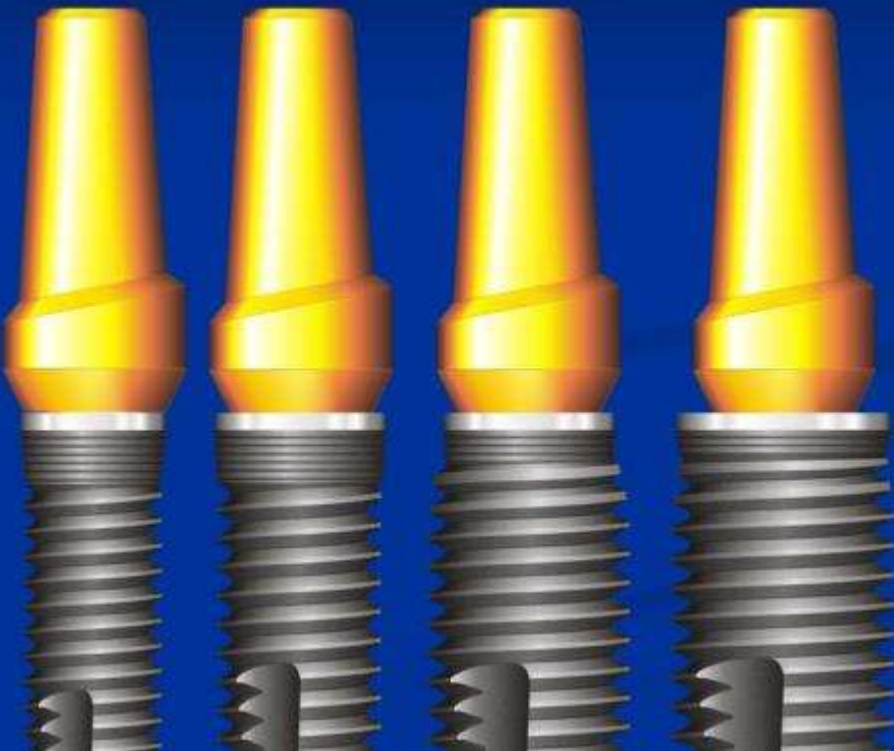
# IL PROGETTO SOMMERSO ESAGONO INTERNO CILINDRICI



# IL PROGETTO SOMMERSO ESAGONO INTERNO K-TAPERED



# INTERSCAMBIABILITA' PROTETICA



## PRODUCT RANGE

**EXTERNAL HEX**

|           |         |           |       |
|-----------|---------|-----------|-------|
|           |         |           |       |
| CYLINDRIC | CLASSIC | K-TAPERED | SHORT |

**Gen. HT HALF TREATMENT**

|             |
|-------------|
|             |
| 3.8 4.6 5.0 |

**INTERNAL HEX**

|           |           |         |
|-----------|-----------|---------|
|           |           |         |
| CYLINDRIC | K-TAPERED | K-LARGE |

**Gen. HT HALF TREATMENT**

|             |
|-------------|
|             |
| 3.3 4.0 5.0 |

# IL PROGETTO TRANSGENGIVALE MINI - IMPLANT

**ABUTMENT**

2.7

**SFERA**

2.7

## MTA - Mount Transfer Abutment

**Tappo ermetico**  
Hermetic Cap**Ghiera in Titanio**  
Titanium Ring**1° Contenitore**  
1<sup>st</sup> Safety Container**Cover Screw**

## MTA - Mount Transfer Abutment



## SUPERFICIE E DECONTAMINAZIONE

**NOBIL**  
**BIO RICERCHE**

## ISO9001 - ISO13485 QUALIFIED FOR RESEARCH, ANALYSIS AND TREATMENT OF MEDICAL DEVICES SURFACES



## IL SUCCESSO DI NOBIL-BIO E DEI SUOI TRATTAMENTI

15 ANNI DI ESPERIENZA SULLE SUPERFICI IMPLANTARI  
(STUDI, RICERCHE, PUBBLICAZIONI E CLINICA)

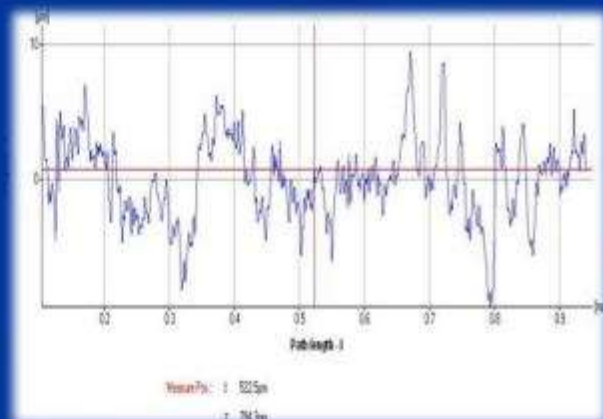
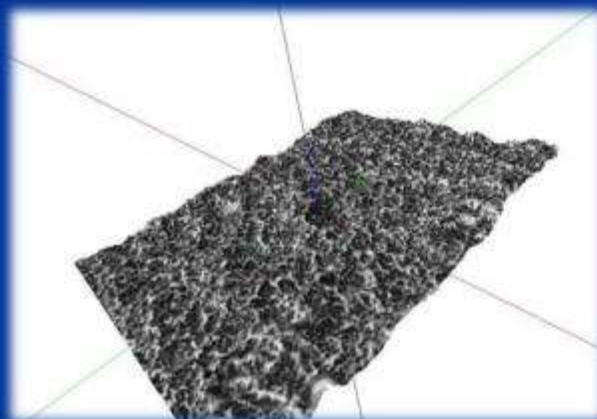
### **3 FONDAMENTI DEL TRATTAMENTO SUPERFICIALE DEGLI IMPIANTI DENTALI IN AMBITO BIOLOGICO**

**1. CONTROLLO DELLA TOPOGRAFIA DI SUPERFICIE E  
CONSEQUENTE RISPOSTA OSTEOGENICA CELLULARE**

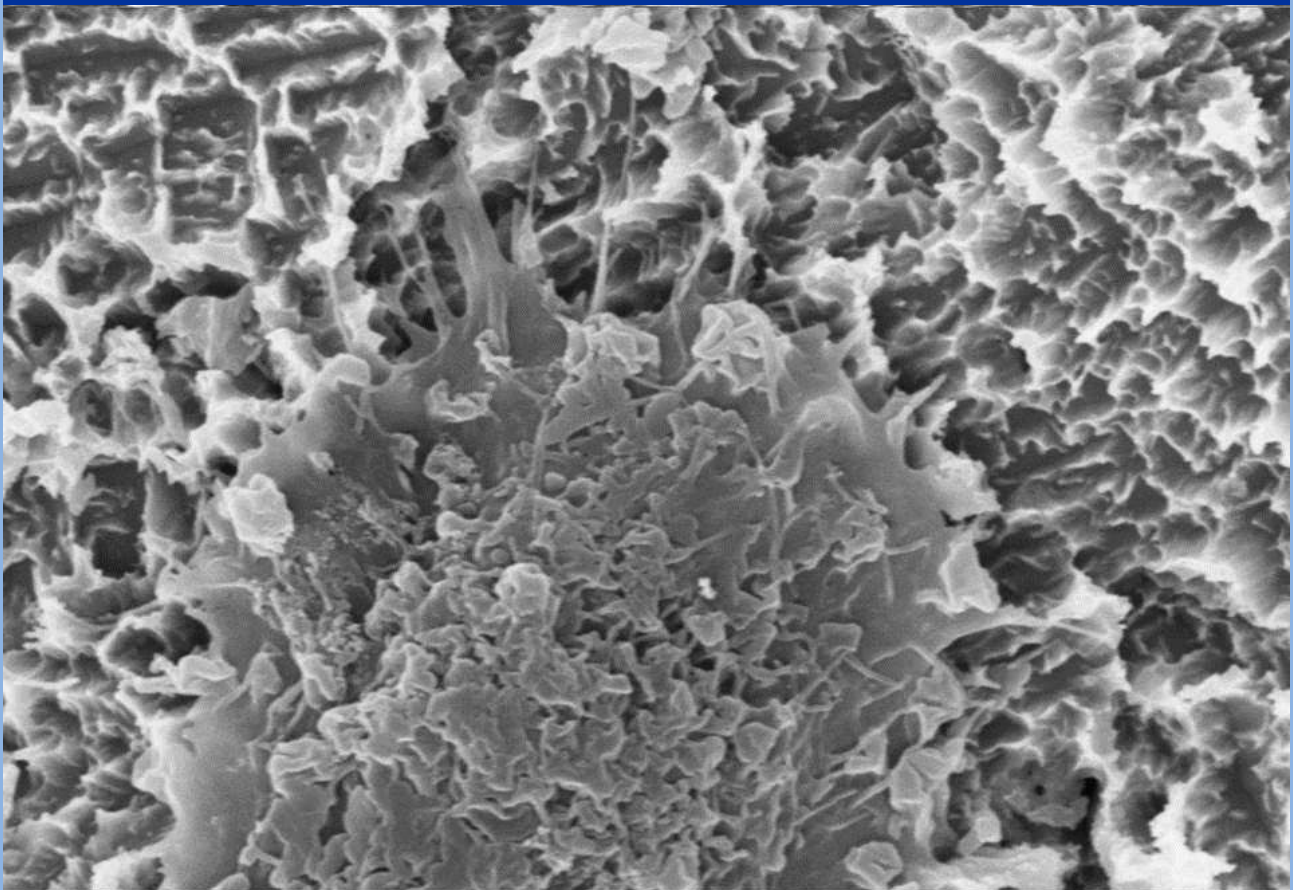
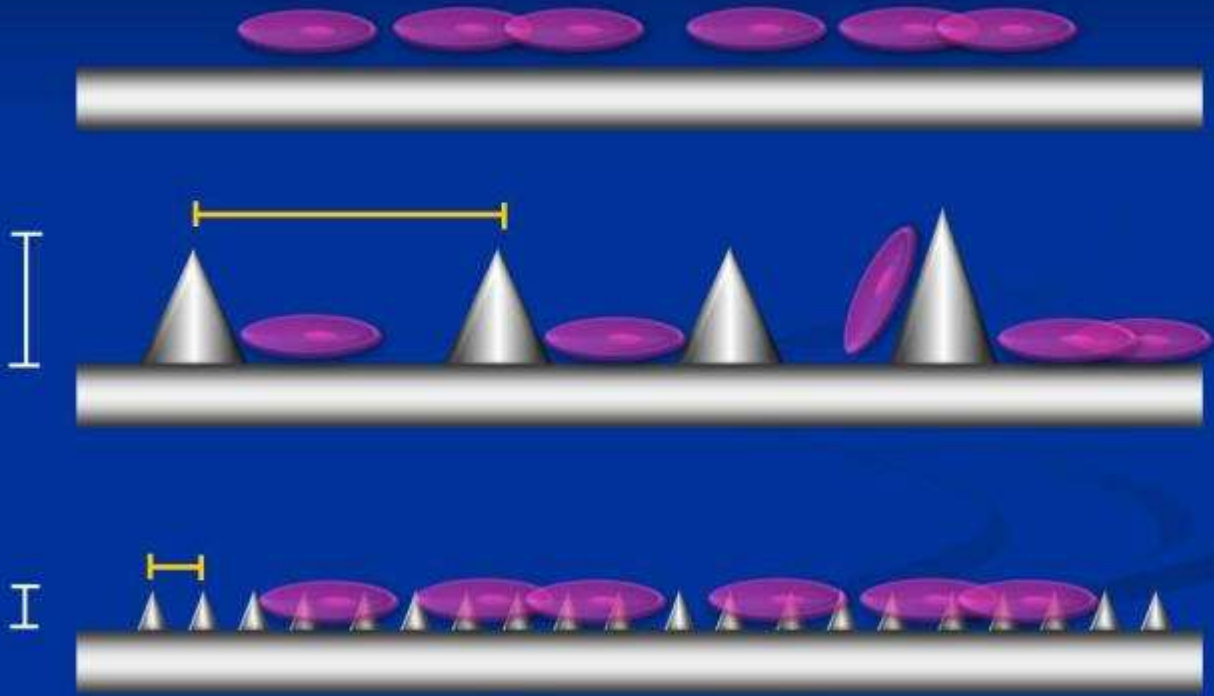
**2. CONTROLLO DELLA CHIMICA DI SUPERFICIE PER  
FAVORIRE LA COLONIZZAZIONE CELLULARE**

**3. CONTROLLO DELLA CONTAMINAZIONE BIOLOGICA DA  
ENDOTOSSINE ADESE PER NON INTERFERIRE CON LA  
RISPOSTA INFIAMMATORIA NATURALE**

**CONTROLLO DELLA TOPOGRAFIA SUPERFICIALE PER  
STIMOLARE LA RISPOSTA CELLULARE OSTEOGENICA**



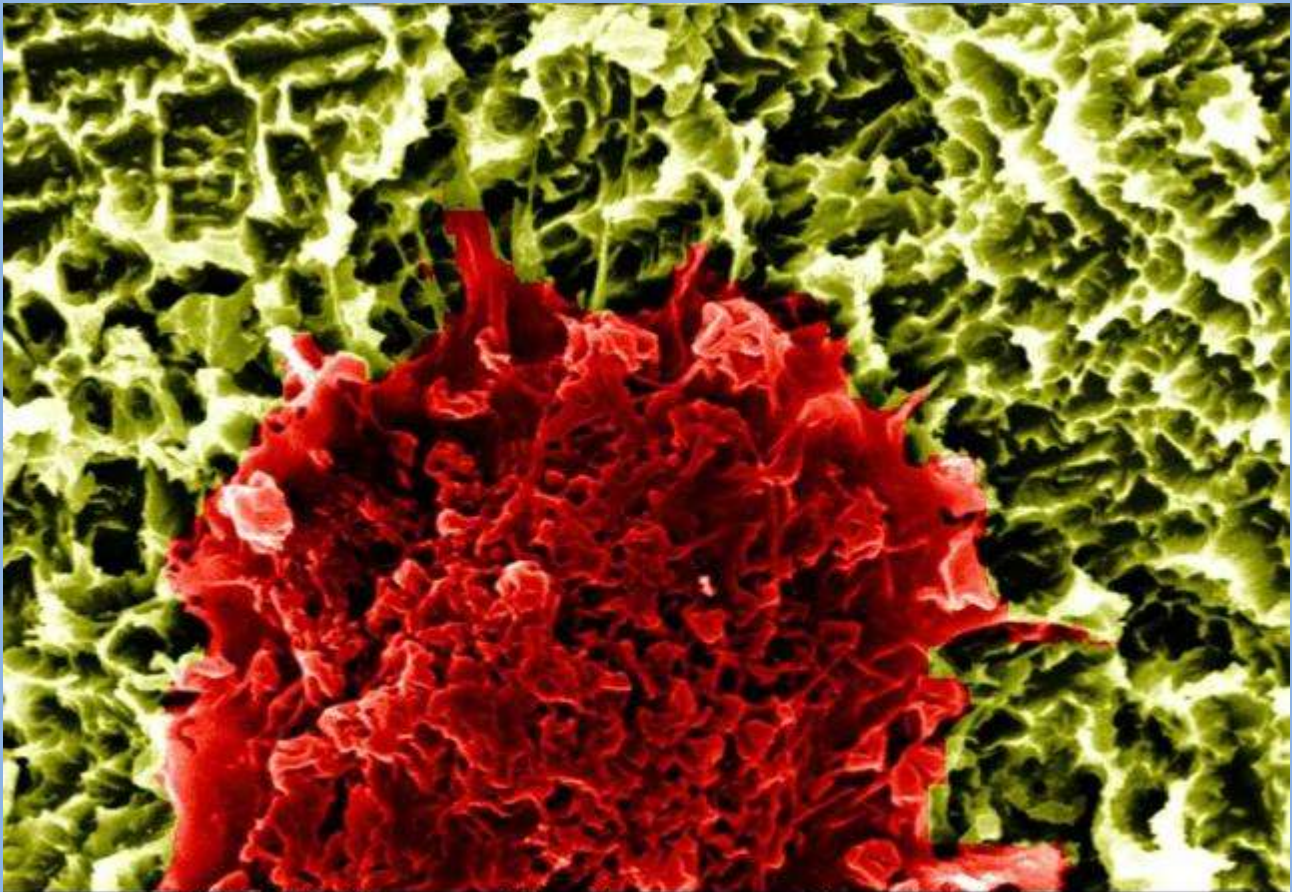
LA LETTERATURA SCIENTIFICA DIMOSTRA COME LE  
CARATTERISTICHE DI RUGOSITA' SUPERFICIALE  
INFLUENZINO IL COMPORTAMENTO CELLULARE



EHT=18.00 kV  
1µm

WD= 20 mm  
Photo No.=1010

Mag= 15.00 K X  
Detector= SE1



EHT=18.00 kV  
1µm

WD= 20 mm  
Photo No.=1010

Mag= 15.00 K X  
Detector= SE1



**Machined Surfaces (6 h)**

**IMMAGINE A FLUORESCENZA DI OSTEOLASTI**

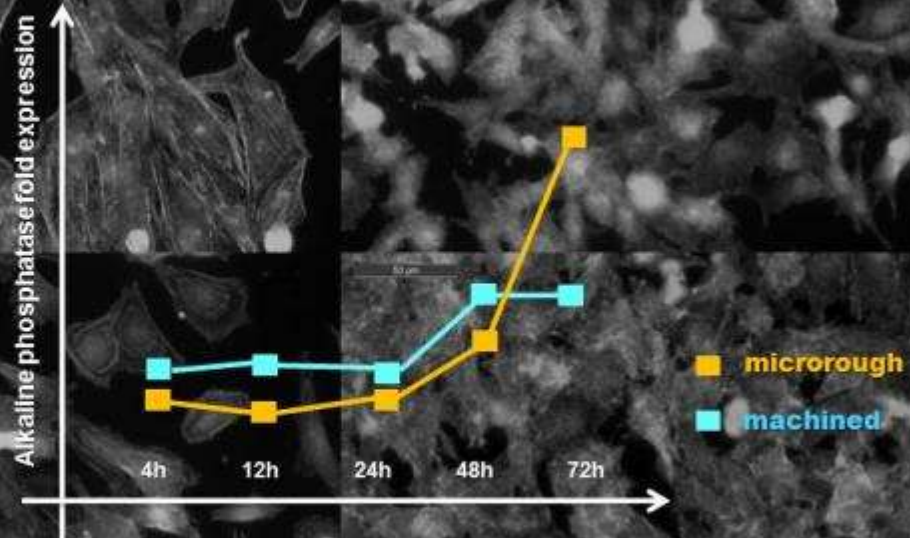
**Machined Surfaces (12 h)**



**Microrough Surfaces (6 h)**

**Microrough Surfaces (12 h)**

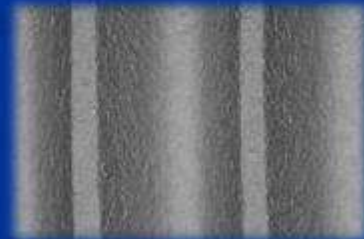
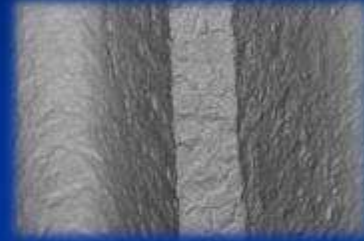
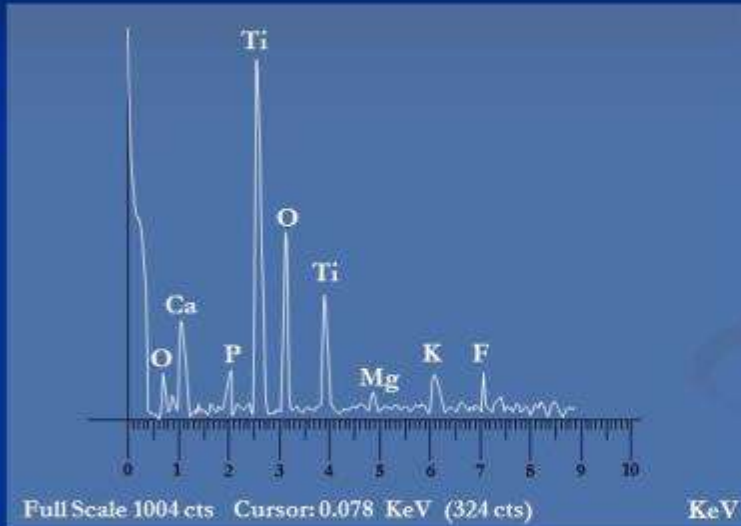
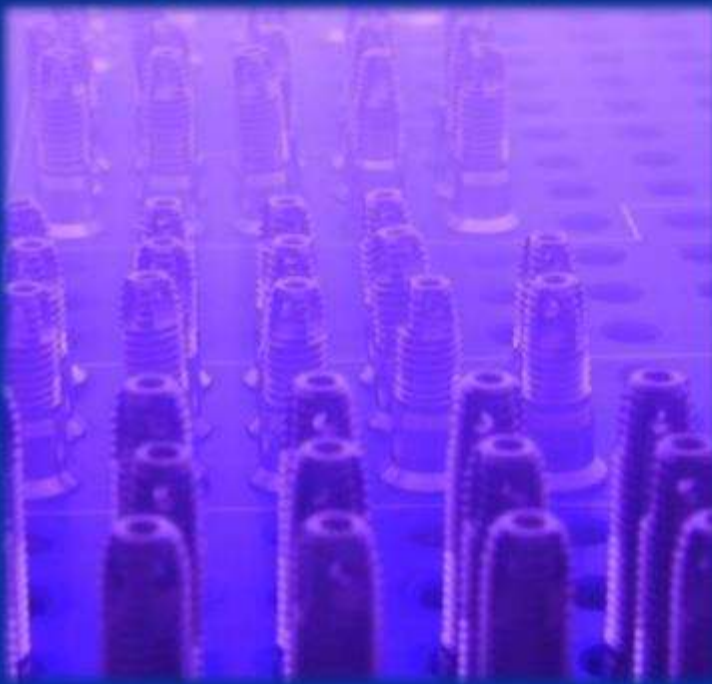
**Analisi di espressione genica dimostrano che la superficie microrugosa fa aumentare l'espressione di fosfatasi alcalina ed altri marker osteogenici da parte delle cellule**

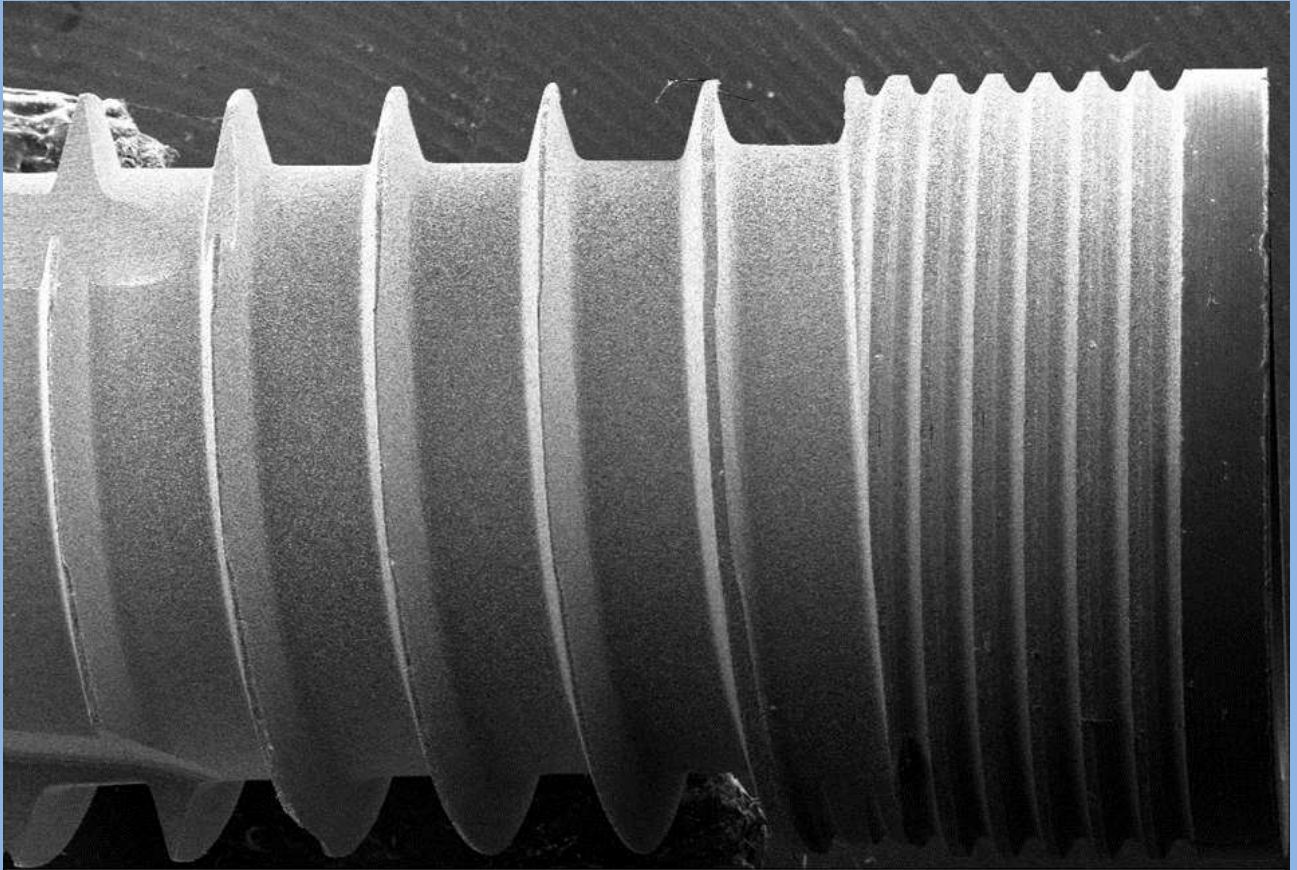


**La topografia superficiale influenza la morfologia ed il comportamento cellulare**

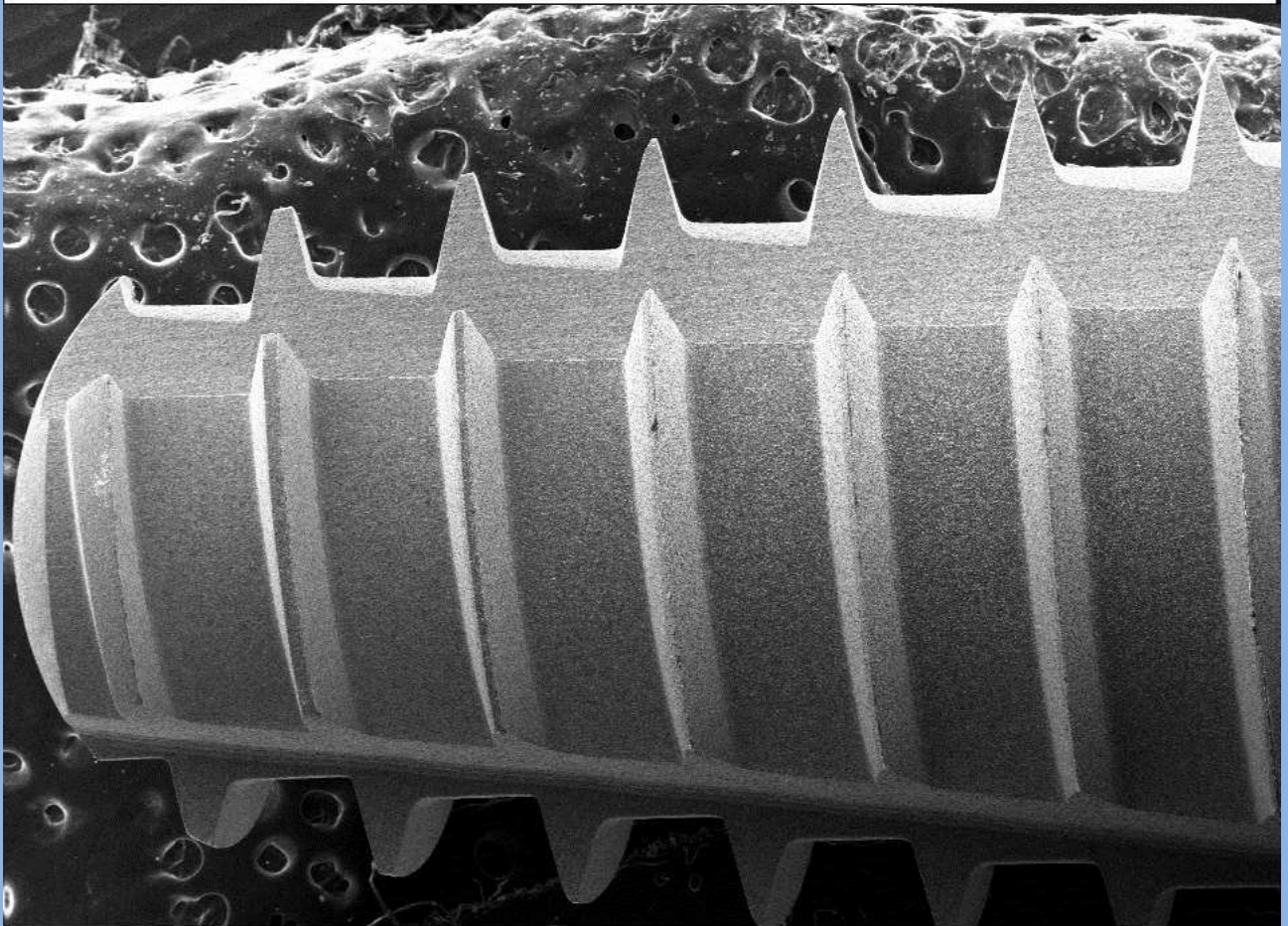
**Control of surface chemistry to promote cell colonization**



**POLITECNICO DI MILANO****Analisi Elementari mediante Sonda EDS****CONSTANT AND SATISFACTORY CHEMISTRY OF IMPLANTS SURFACES REQUIRES****PLASMA CLEANING****XPS ANALYSIS**

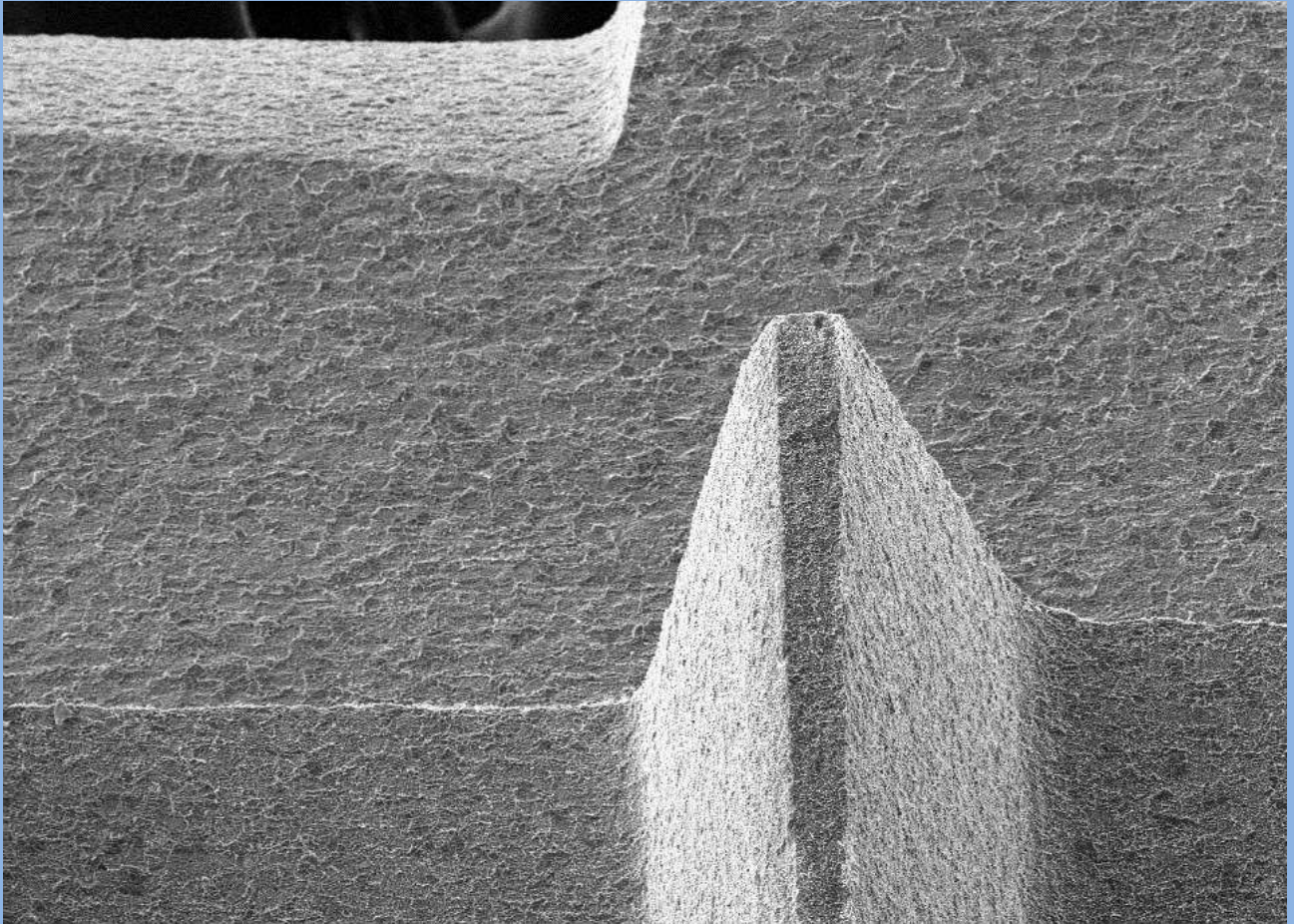


1 mm      Mag = 45 X      EHT = 15.00 kV      Date :2 Dec 2011  
WD = 12.5 mm      Signal A = SE1      Photo No. = 1460

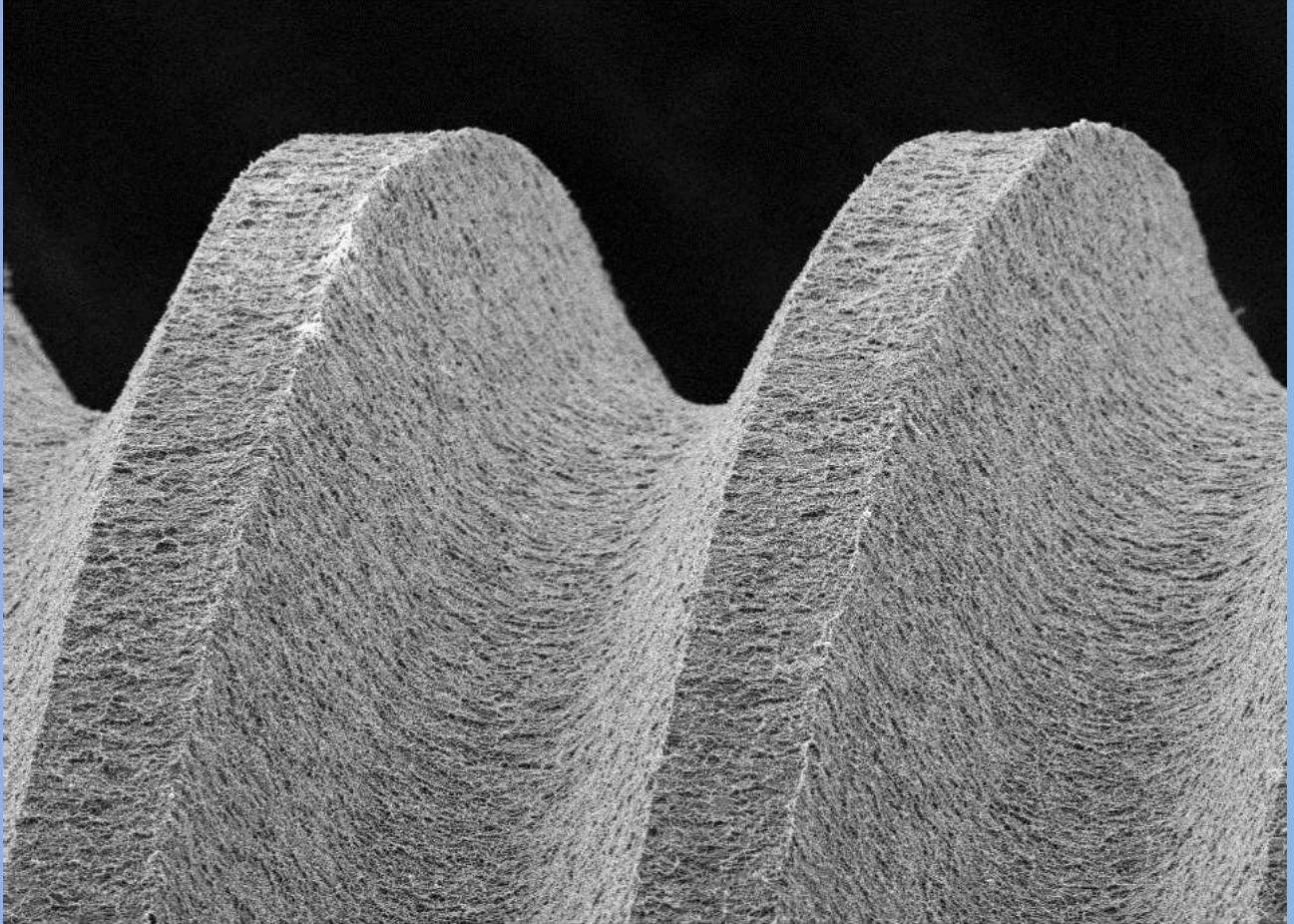


1 mm      Mag = 50 X      EHT = 15.00 kV      Date :2 Dec 2011

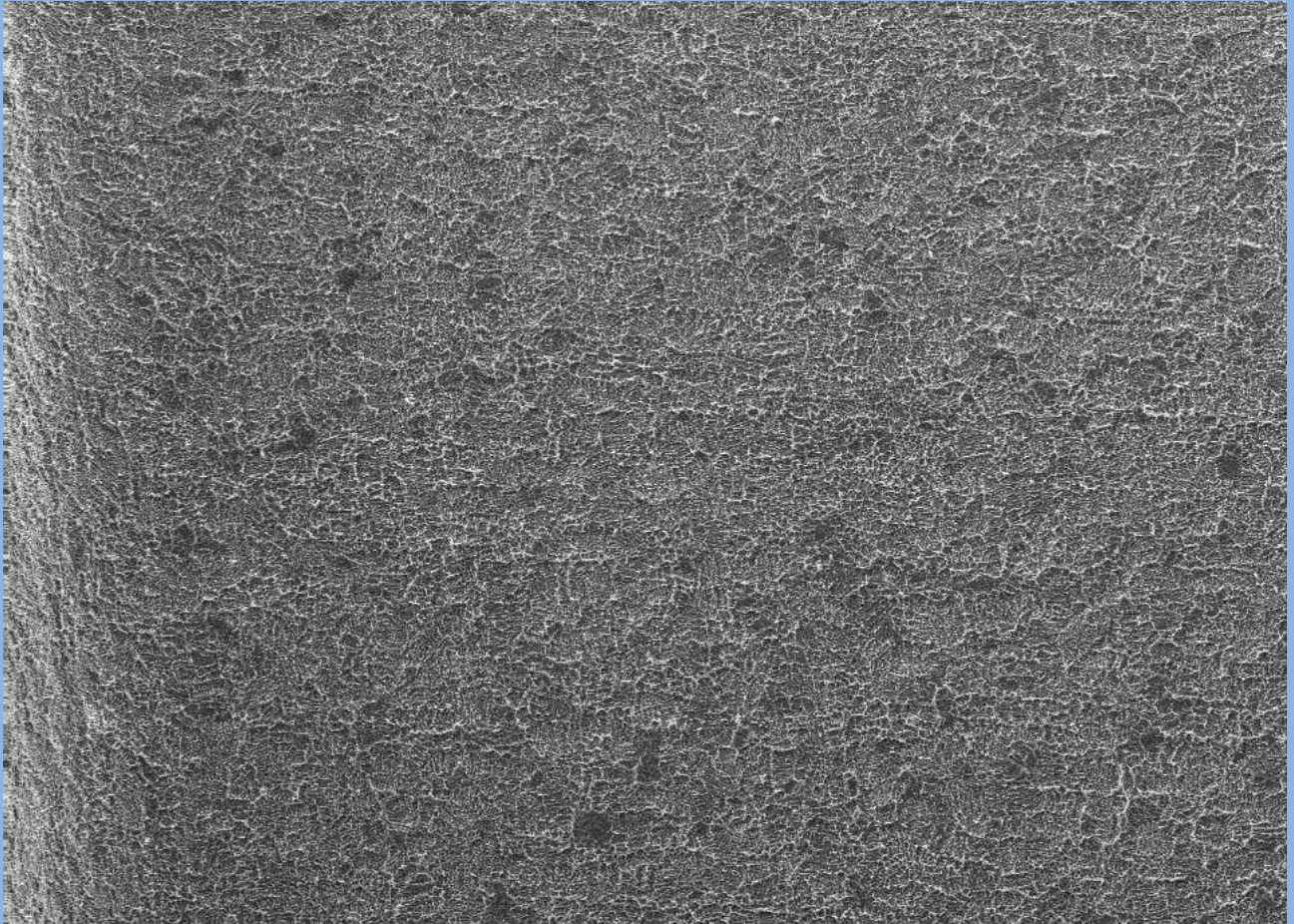




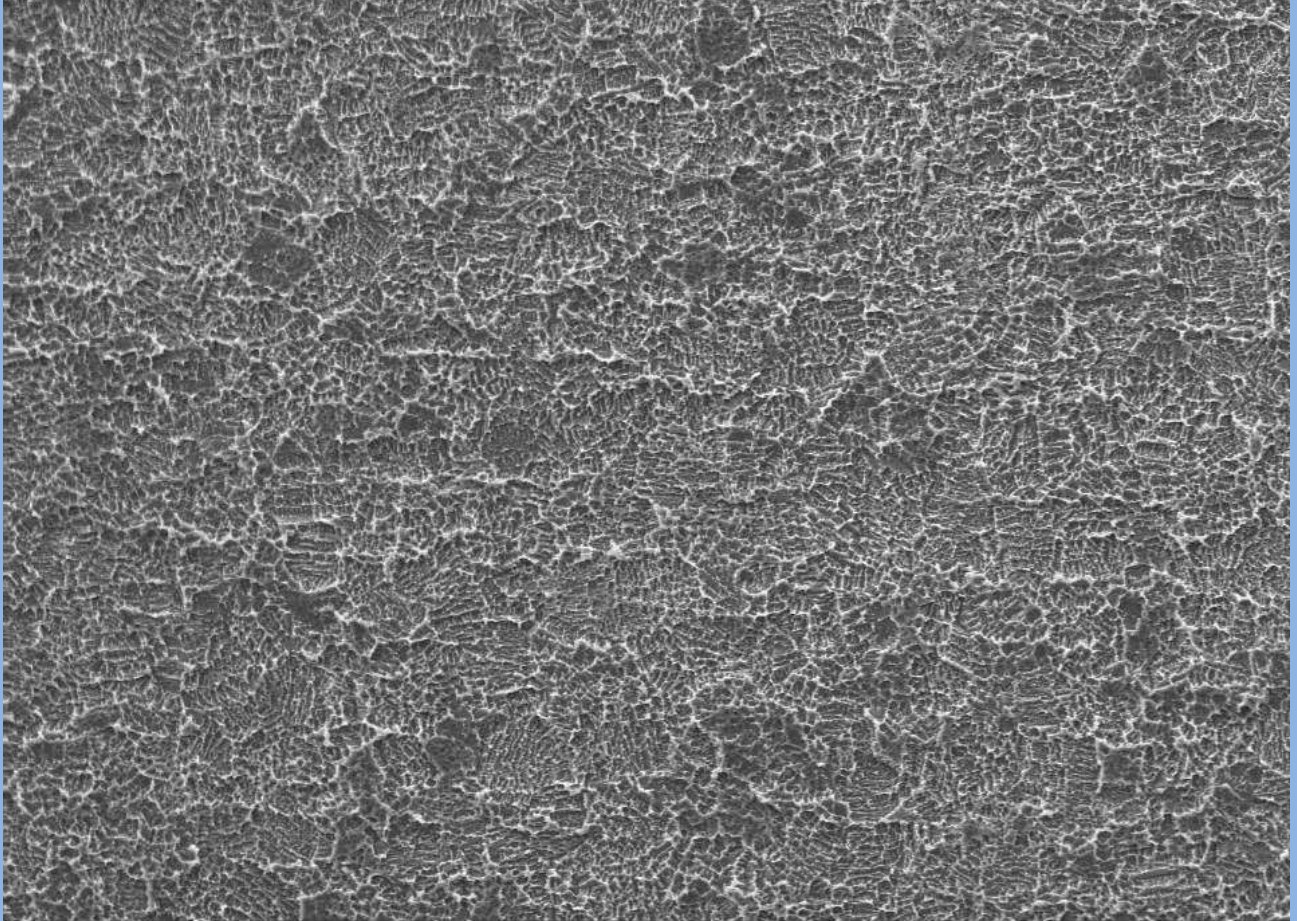
100  $\mu$ m      Mag = 300 X      EHT = 15.00 kV      Date :2 Dec 2011



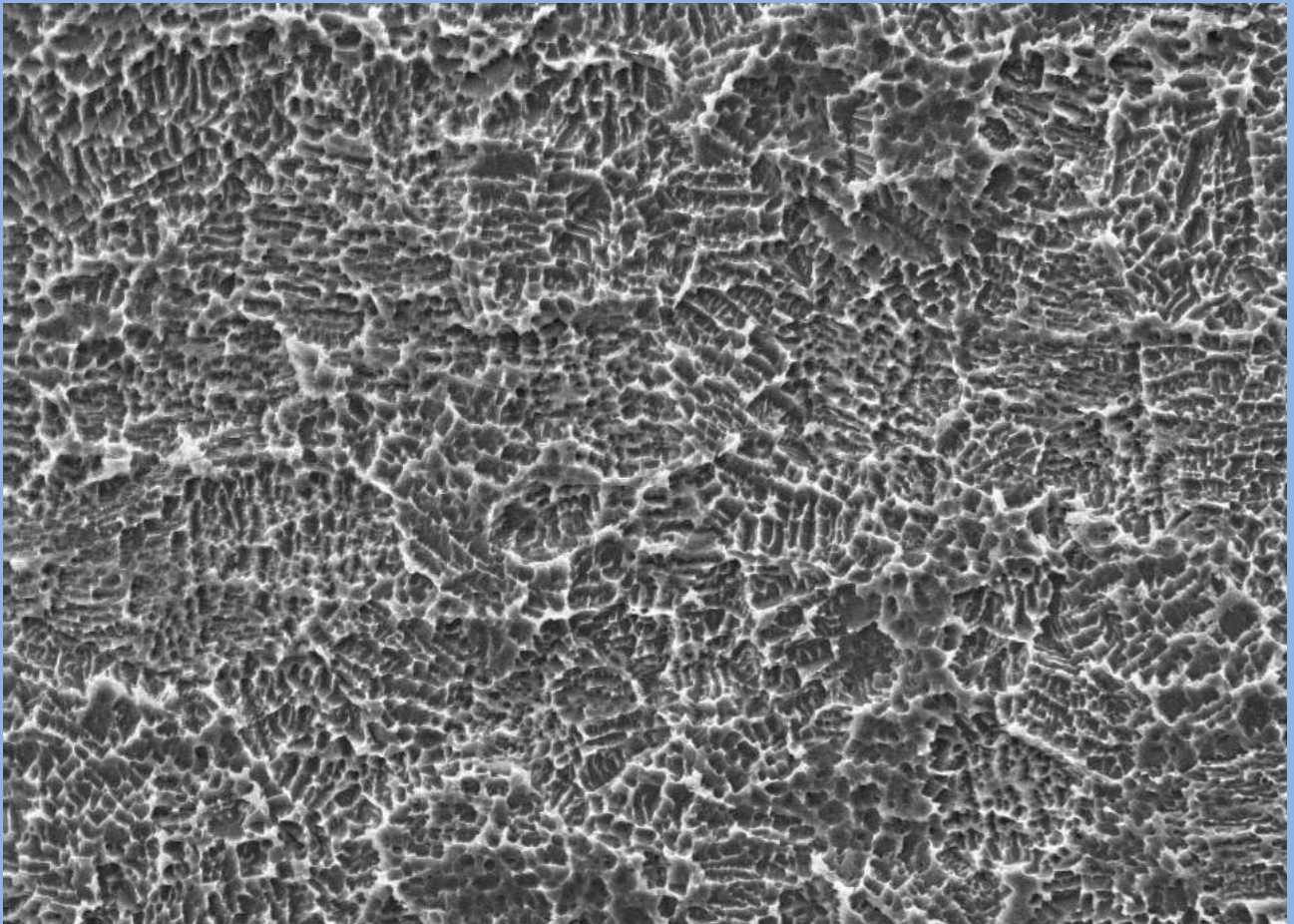
100  $\mu$ m      Mag = 500 X      EHT = 15.00 kV      Date :2 Dec 2011



100  $\mu$ m      Mag = 500 X      EHT = 15.00 kV      Date :2 Dec 2011



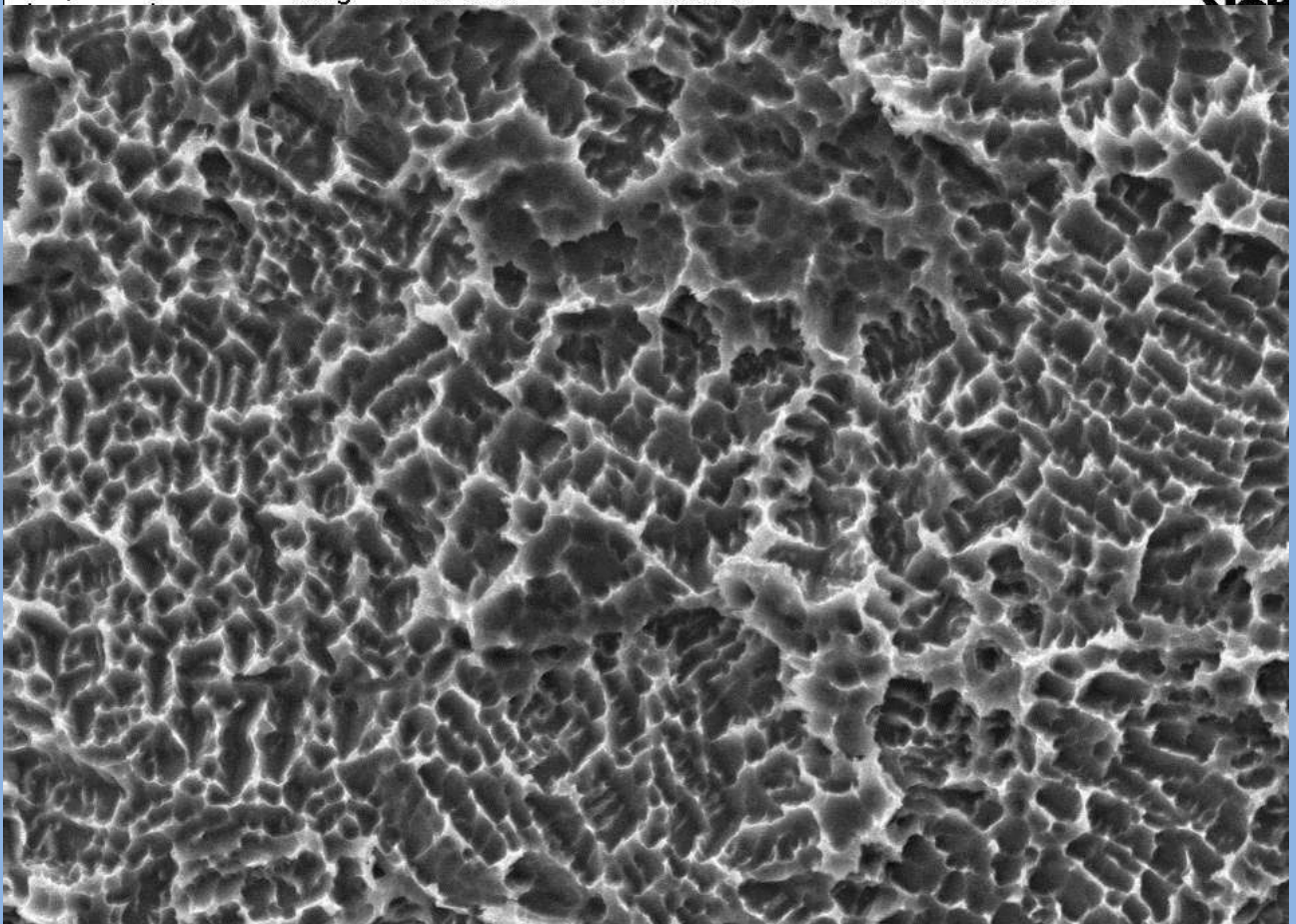
20  $\mu$ m      Mag = 1.00 K X      EHT = 15.00 kV      Date :2 Dec 2011

10  $\mu$ m

Mag = 2.50 K X

EHT = 15.00 kV

Date :2 Dec 2011

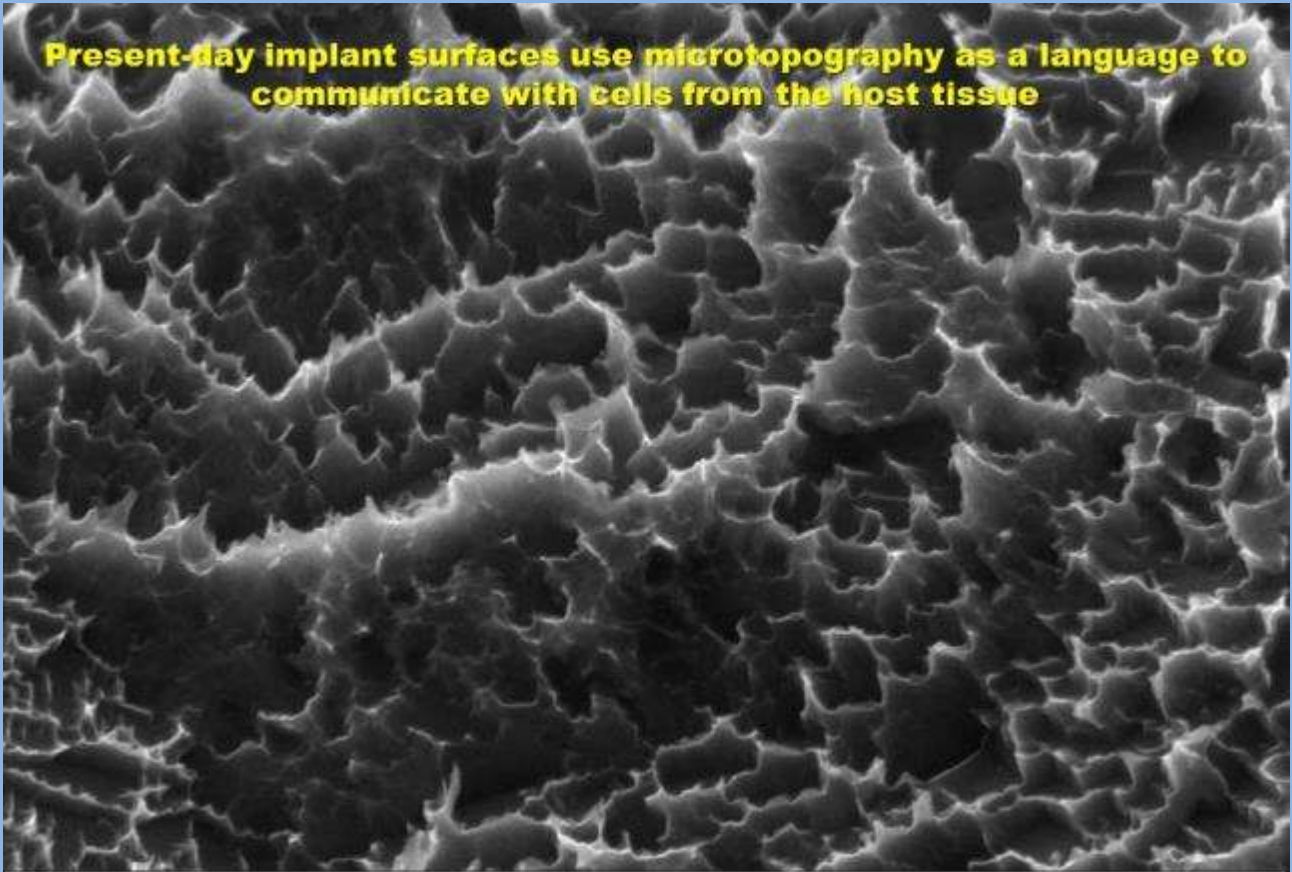
10  $\mu$ m

Mag = 5.00 K X

EHT = 15.00 kV

Date :2 Dec 2011

**Present-day implant surfaces use microtopography as a language to communicate with cells from the host tissue**



2  $\mu$ m



Mag = 10.00 K X

EHT = 20.00 kV

Date :26 Jan 2012

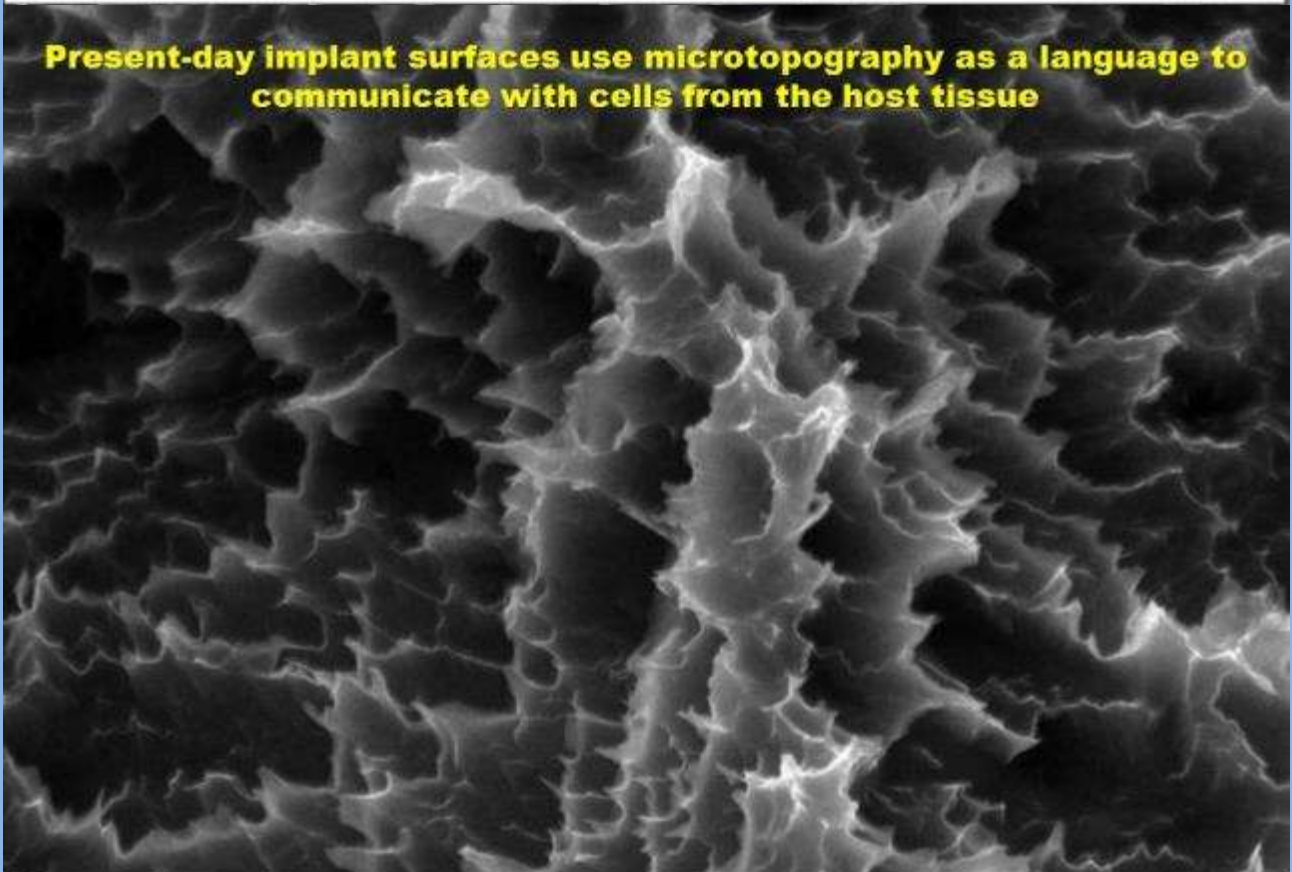
WD = 11.5 mm

Signal A = SE1

Photo No. = 929

**NOBIL**  
BIOINFORMATICA

**Present-day implant surfaces use microtopography as a language to communicate with cells from the host tissue**



1  $\mu$ m



Mag = 15.00 K X

EHT = 20.00 kV

Date :25 Jan 2012

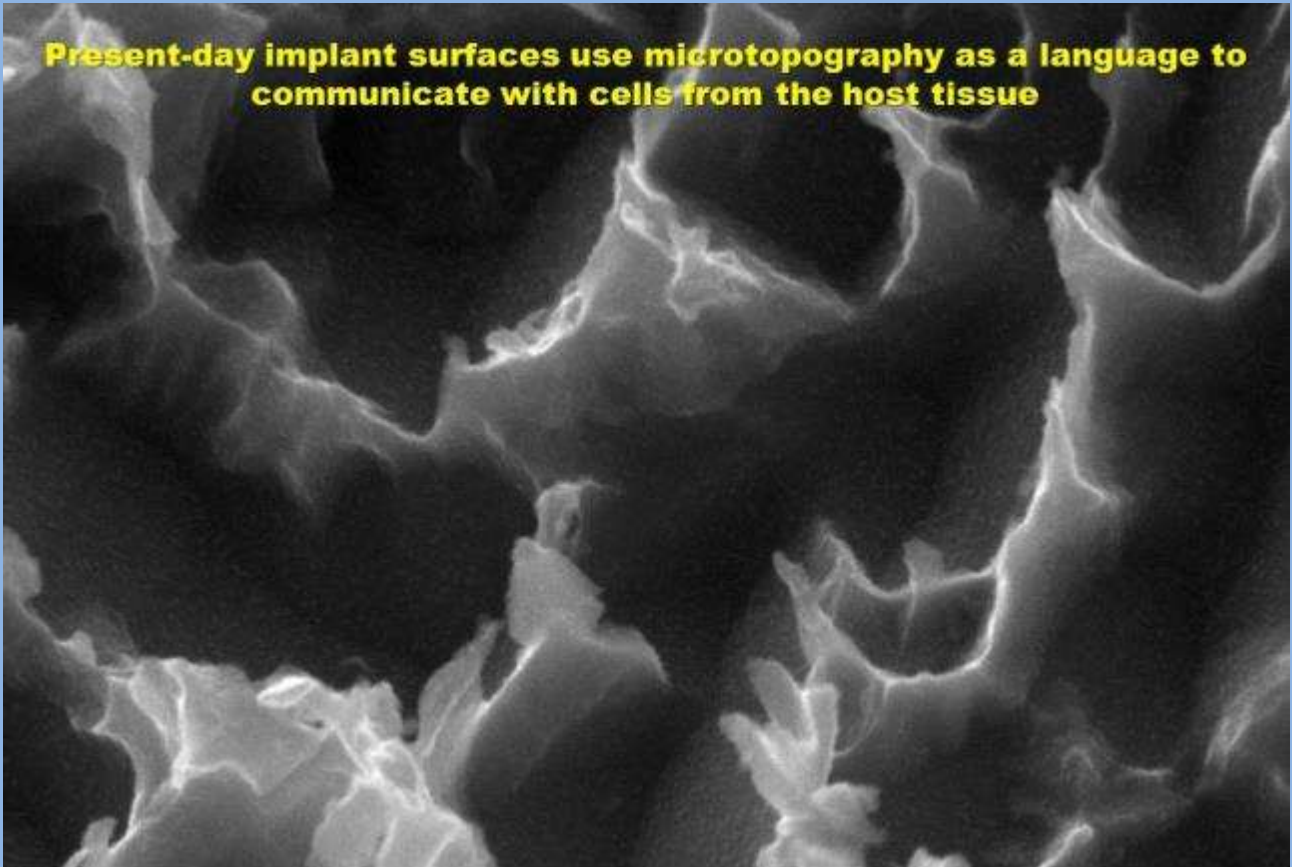
WD = 12.5 mm

Signal A = SE1

Photo No. = 928

**NOBIL**  
BIOINFORMATICA

**Present-day implant surfaces use microtopography as a language to communicate with cells from the host tissue**



200 nm



Mag = 50.00 K X

EHT = 15.00 kV

Date :12 Aug 2010

WD = 11.5 mm

Signal A = SE1

Photo No. = 6226

**NOBIL**  
BIOTECNOLOGIE

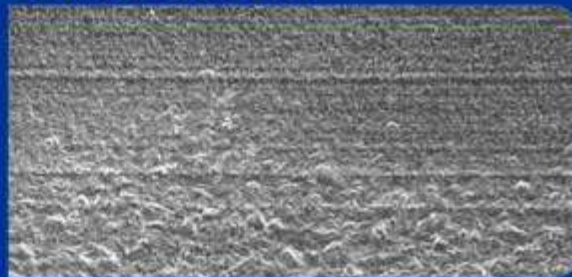
## LA NOSTRA RISPOSTA ALLE PERIMPLANTITI

### 4 TREATMENT

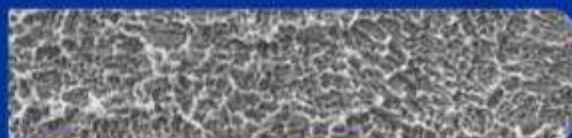
1. MACHINED



2. NANO ROUGH



3. MICRO ROUGH 3/10  $\mu$



4. MICRO ROUGH 8/20  $\mu$



## LE NUOVE LINEE DI IMPIANTI HT



## LE NUOVE LINEE DI IMPIANTI HT

IK38



IK46



IK50



INTERNAL HEX  
TAPERED FORM

HALF TREATMENT

ES33



ES40



ES50



EXTERNAL HEX  
TAPERED FORM

HALF TREATMENT

# FILOSOFIA GOLD STANDARD

+ QUALITA'



- PREZZO



## SEQUENZA CHIRURGICA STD



## SEQUENZA CHIRURGICA STD



FRESA CENTRATRICE + KOUNTERSINC

## SEQUENZA CHIRURGICA STD



FRESA INIZIALE 2MM

# SEQUENZA CHIRURGICA STD STOP PER FRESE



## LA PREPARAZIONE DEL SITO IMPLANTARE COME PRIMA REGOLA PER IL SUCCESSO



3 LAME TORSE



2/3 SEZZIONI

RIVESTIMENTO  
PVD - TiN

INCISIONE MECCANICA



MARCATURA LASER



## SEQUENZA CHIRURGICA STD



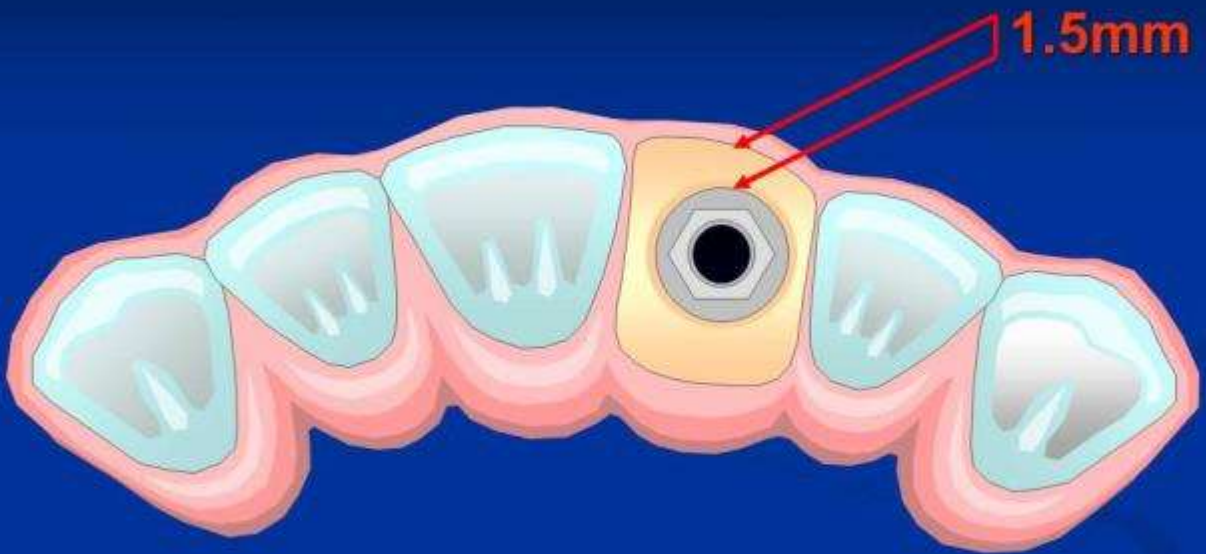
FRESA INTERMEDIA 2.6MM

## SEQUENZA CHIRURGICA STD

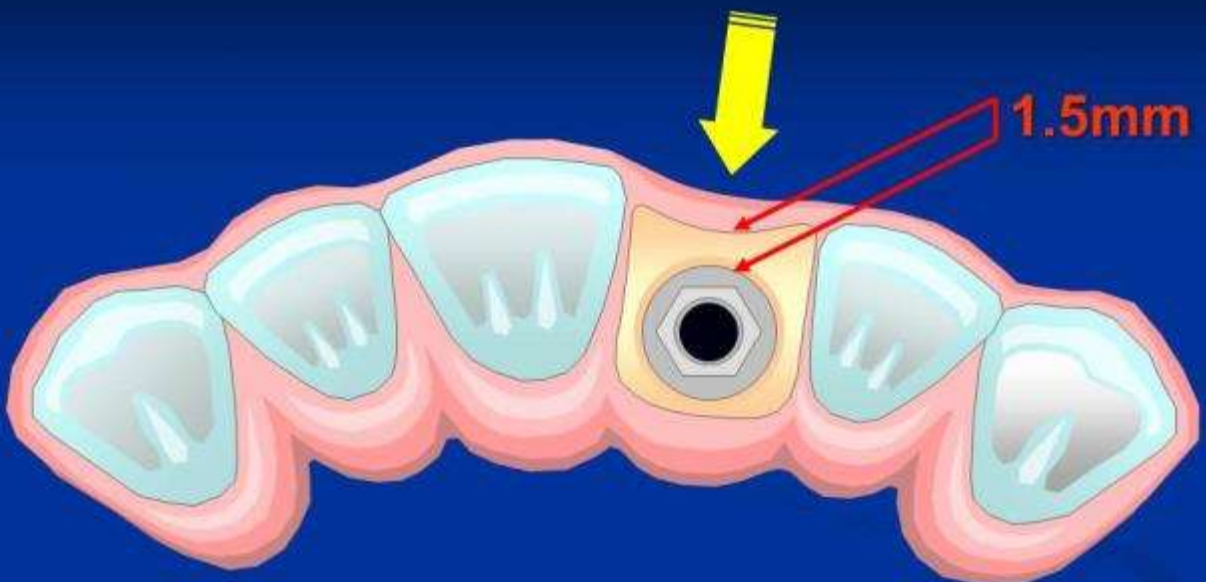


FRESA FINALE 3.2MM

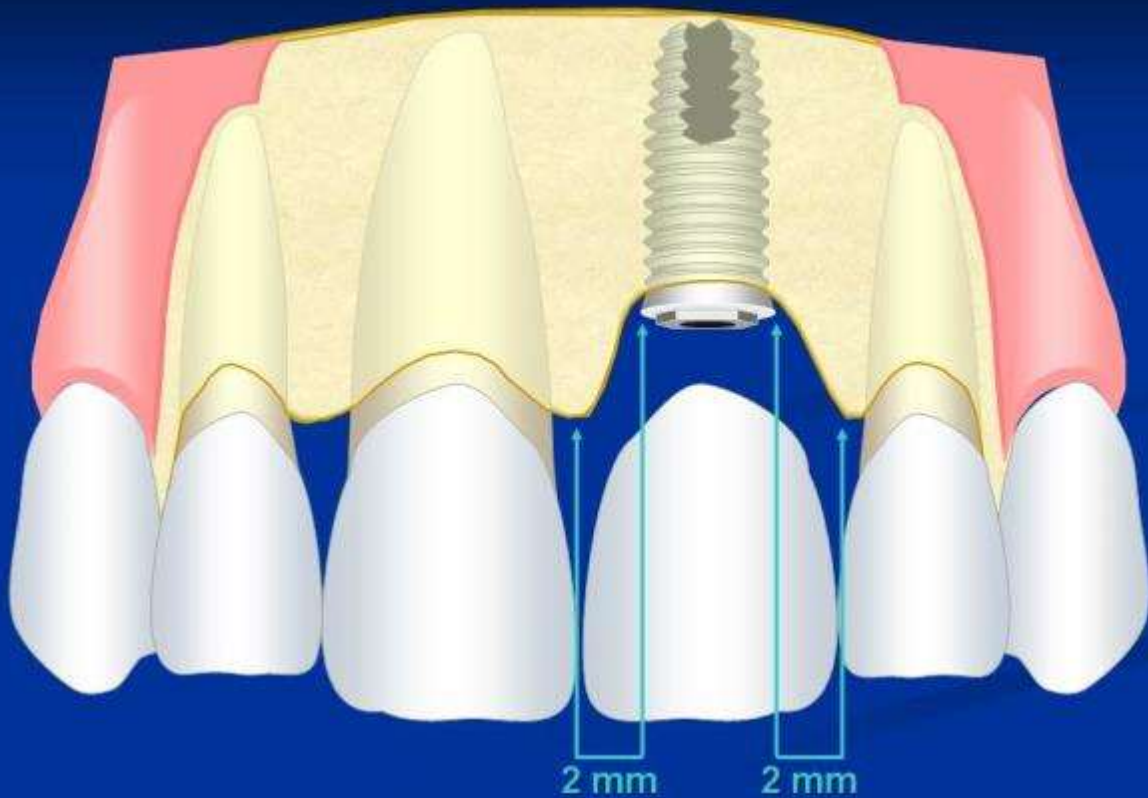
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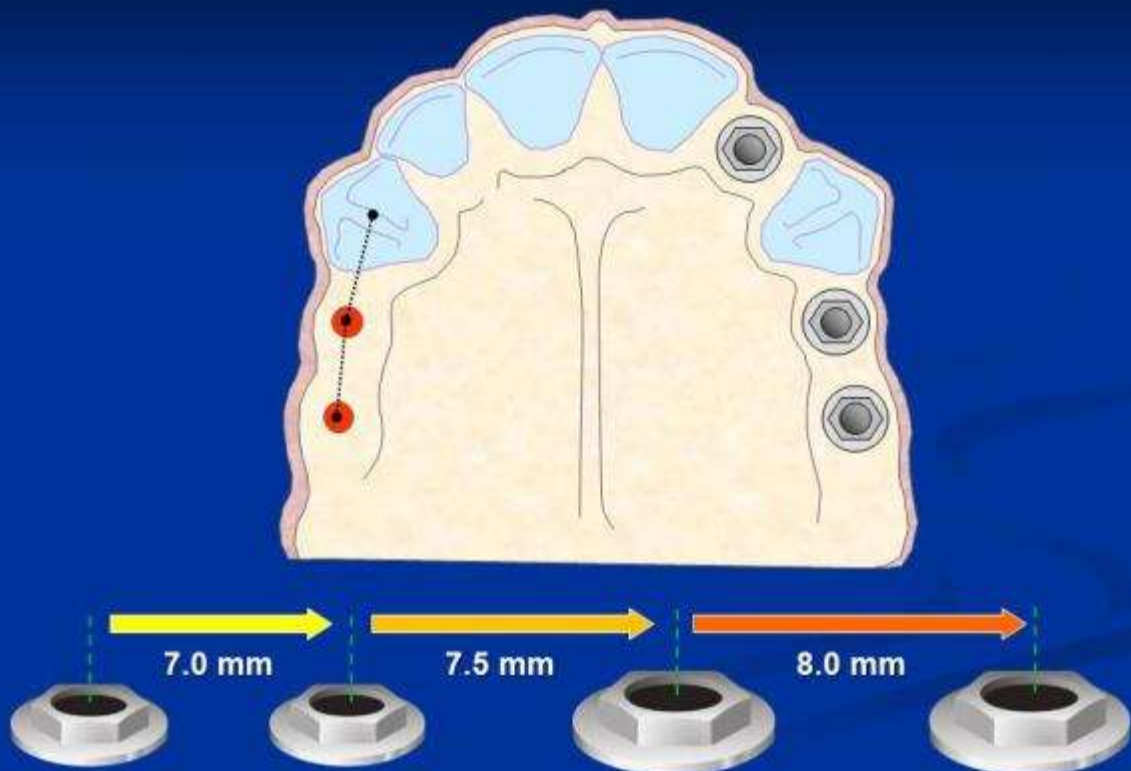
## SEQUENZA CHIRURGICA STD



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## SEQUENZA CHIRURGICA STD



## SEQUENZA CHIRURGICA STD

**Max 40 Ncm**



AVVITAMENTO INIZIALE MECCANICO

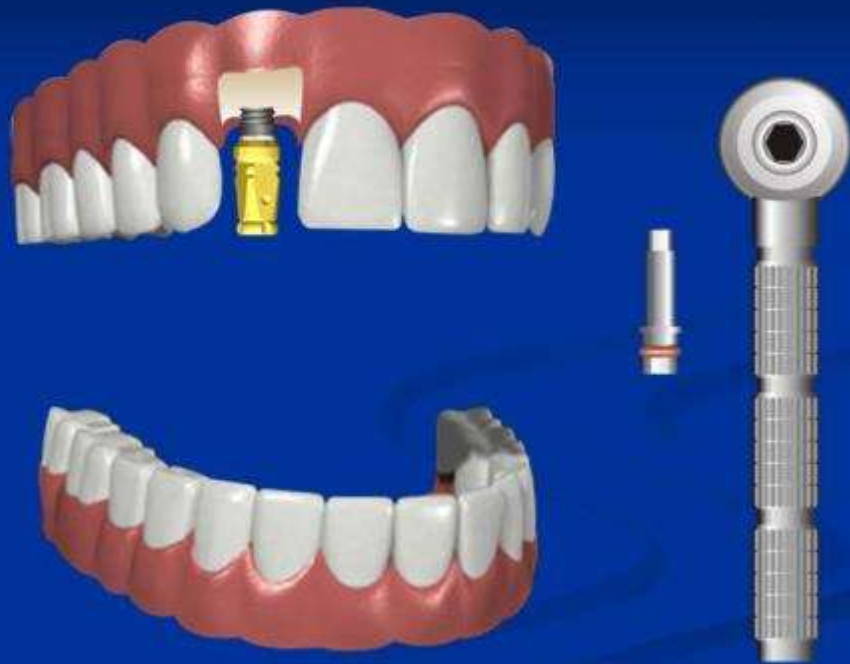
## SEQUENZA CHIRURGICA STD

**Max 40 Ncm**



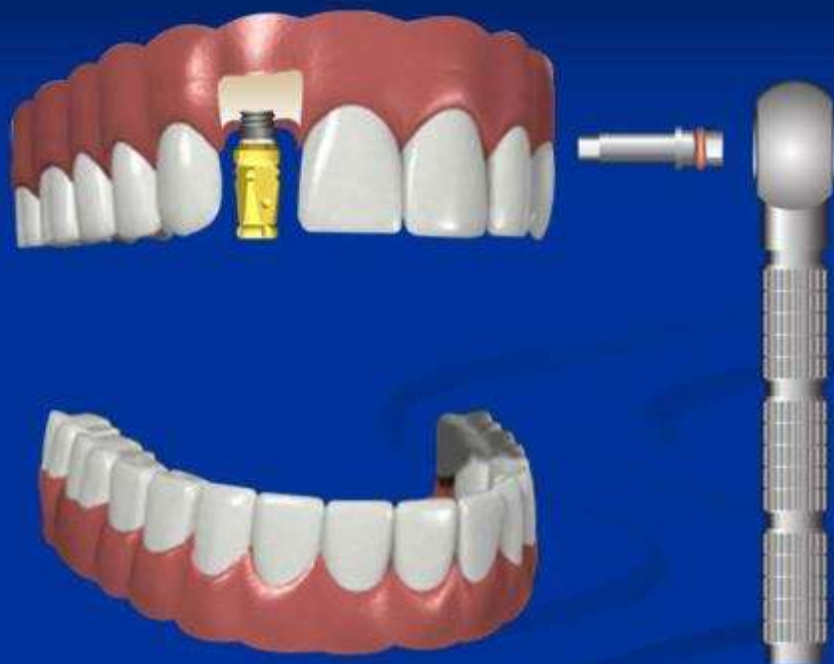
AVVITAMENTO INIZIALE MECCANICO

## SEQUENZA CHIRURGICA STD



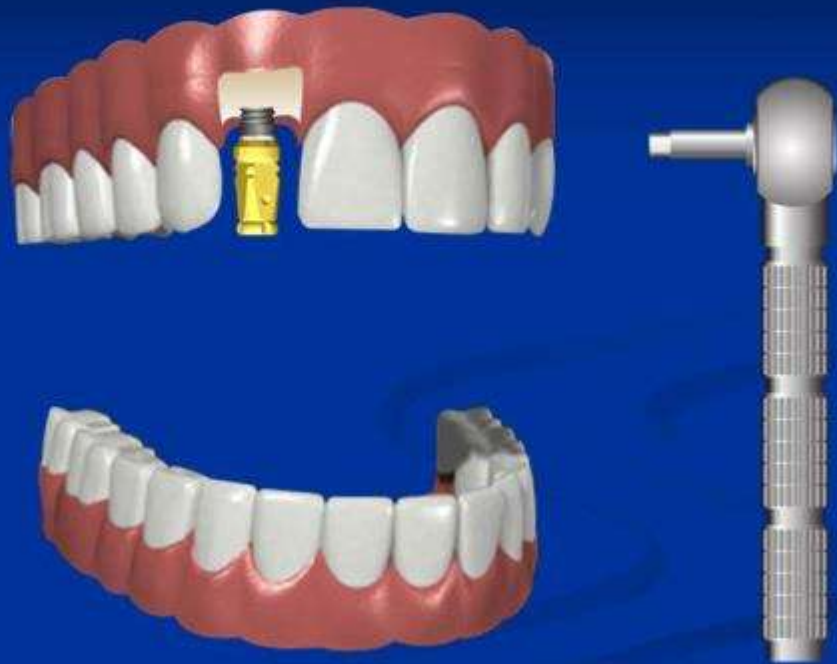
AVVITAMENTO FINALE MANUALE

## SEQUENZA CHIRURGICA STD



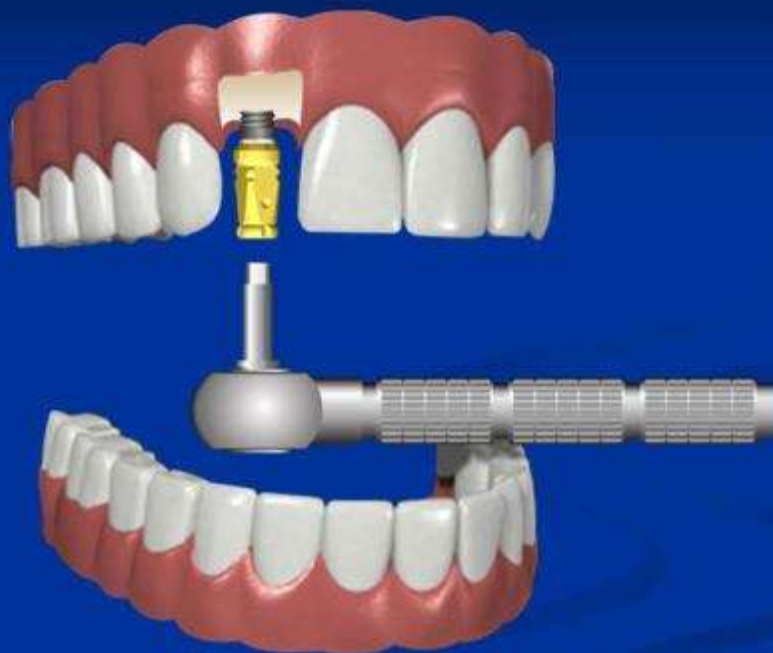
AVVITAMENTO FINALE MANUALE

## SEQUENZA CHIRURGICA STD



AVVITAMENTO FINALE MANUALE

## SEQUENZA CHIRURGICA STD



AVVITAMENTO MECCANICO

## SEQUENZA CHIRURGICA STD



## SEQUENZA CHIRURGICA STD

**Max 120 Ncm**



**AVVITAMENTO FINALE MANUALE**

# SEQUENZA CHIRURGICA STD

Avvitamento Fase 1  
Max 50 Ncm



CONTRANGOLO  
NEL MOUNT

Avvitamento Fase 2  
Max 70 - 120 Ncm



CRICCHETTO  
NEL MOUNT

Avvitamento Fase 3  
Solo Es. Interno



CRICCHETTO  
NELL' IMPIANTO

Avvitamento Fase 4  
Posizione Crestale

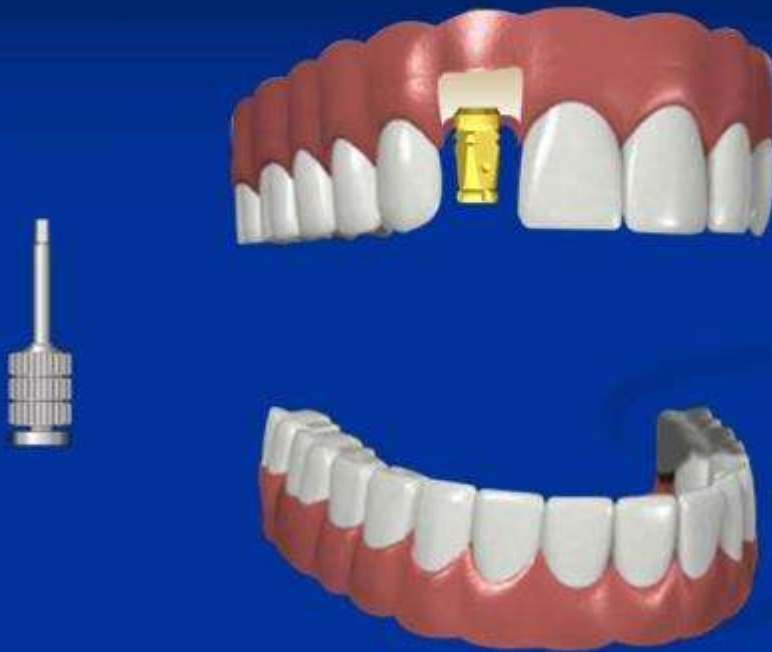


IMPIANTO  
IN POSIZIONE

# SEQUENZA CHIRURGICA STD

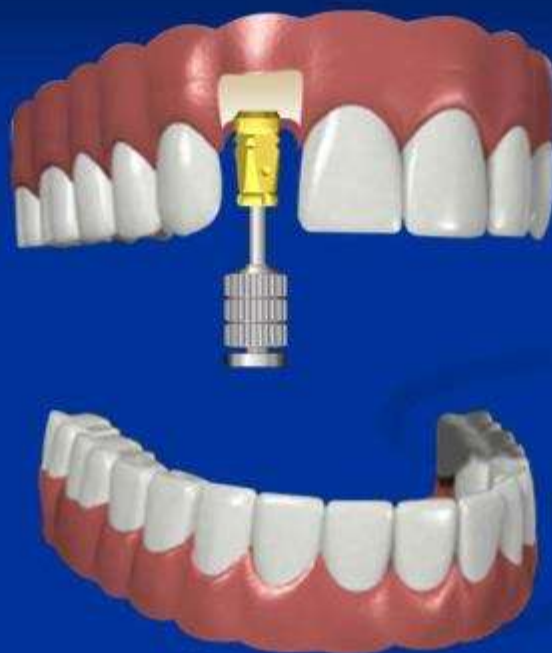


## SEQUENZA CHIRURGICA STD



RIMOZIONE DEL MOUNT

## SEQUENZA CHIRURGICA STD



RIMOZIONE DEL MOUNT

## SEQUENZA CHIRURGICA STD



## RIMOZIONE DEL MOUNT

## SEQUENZA CHIRURGICA STD



# SEQUENZA CHIRURGICA STD



## VITE DI COPERTURA

# INSTRUMENTS & NEWTON

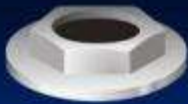
Max 50 Ncm

Max 180 Ncm

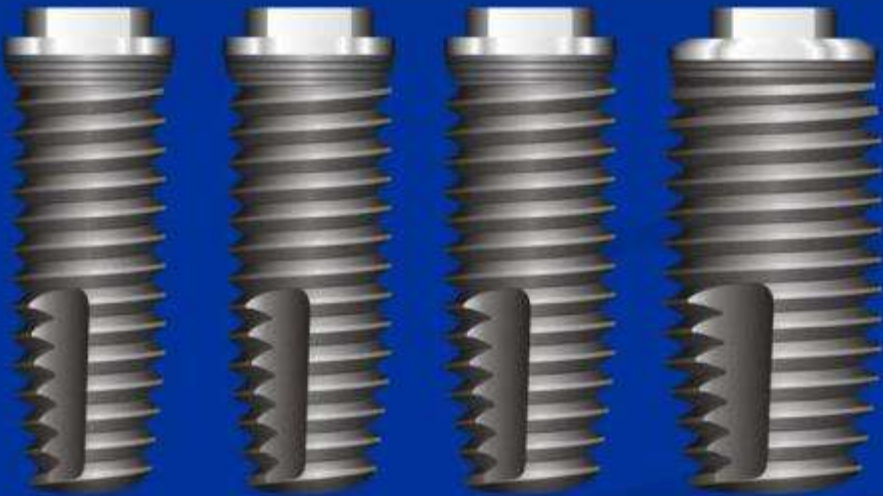
Max 80 Ncm

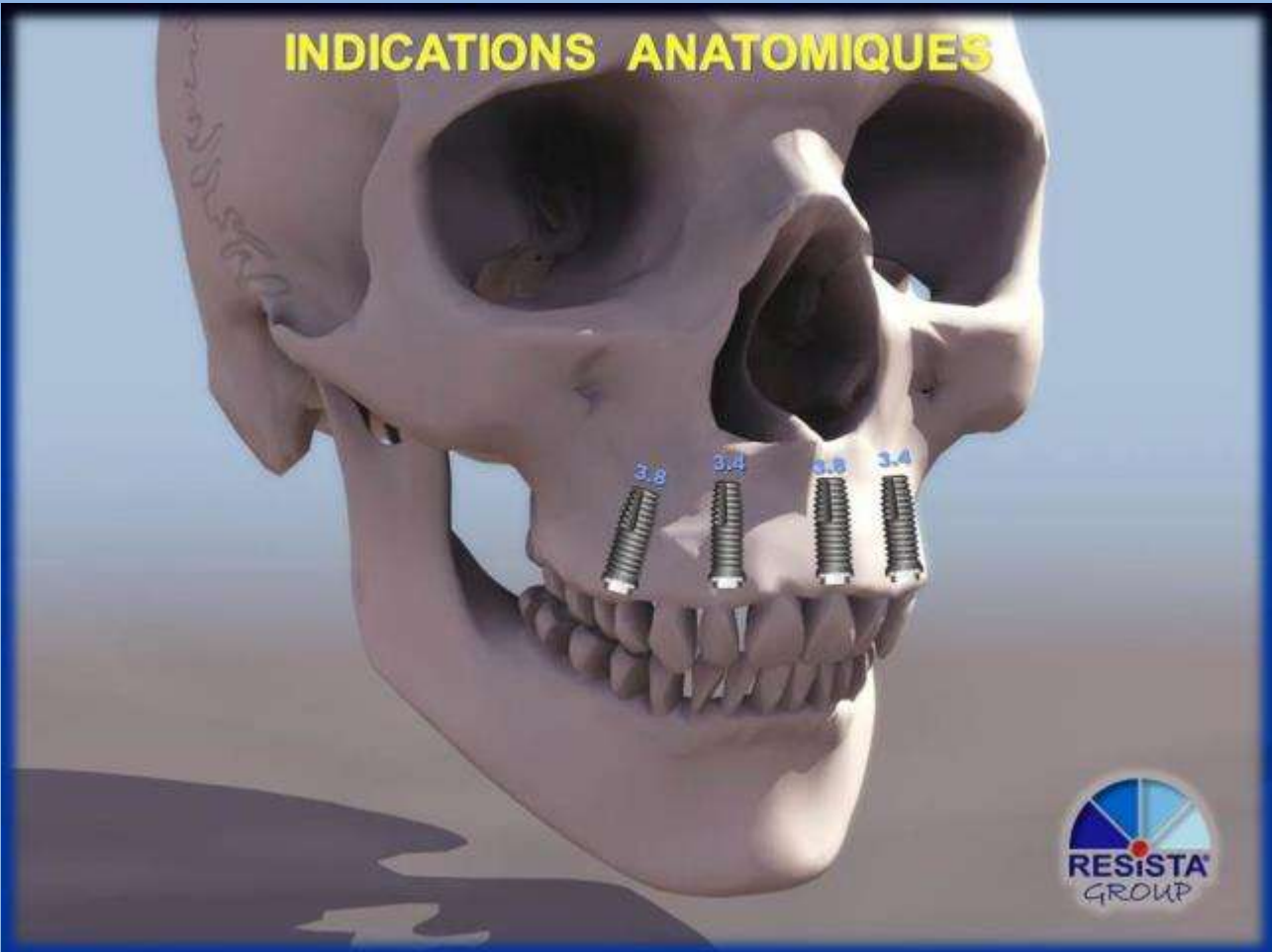
Max 32 Ncm<sup>2</sup>

# INSTRUMENTS & NEWTON



## EXTERNAL HEXAGON CYLINDRIC

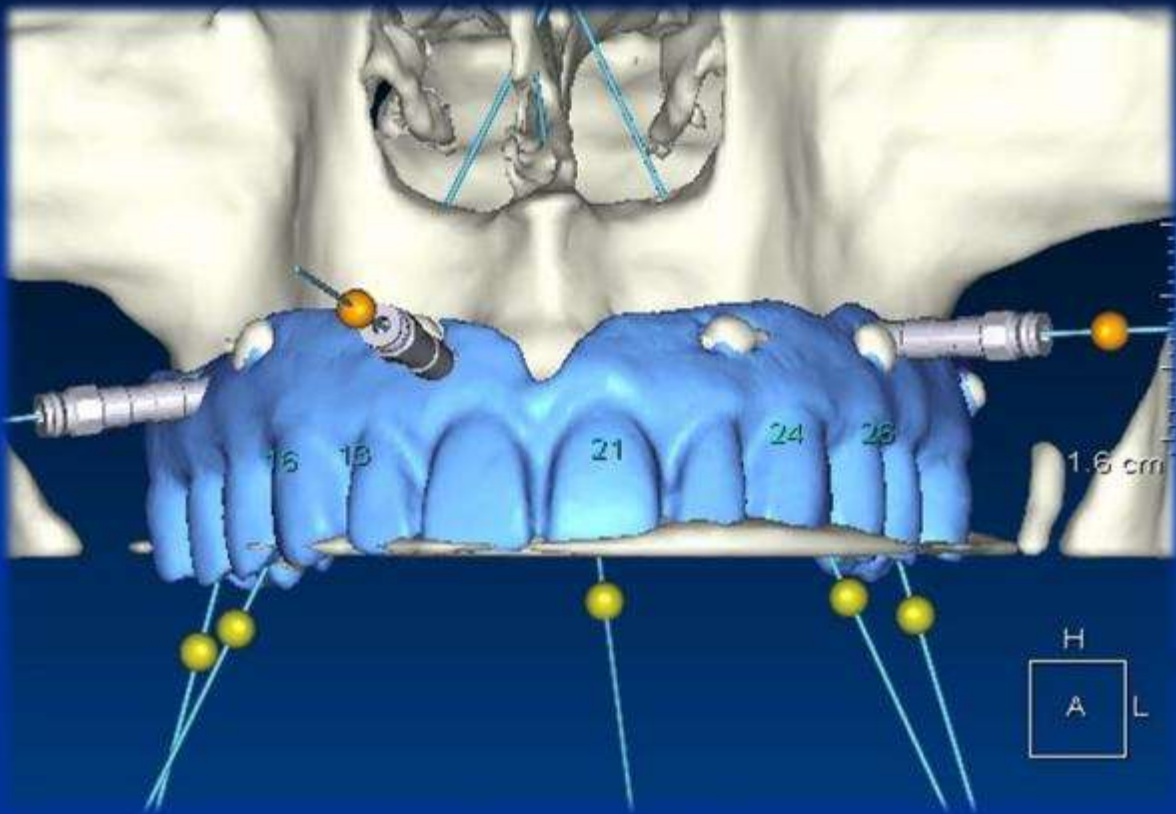


**INDICATIONS ANATOMIQUES****CONDITION INITIALE**

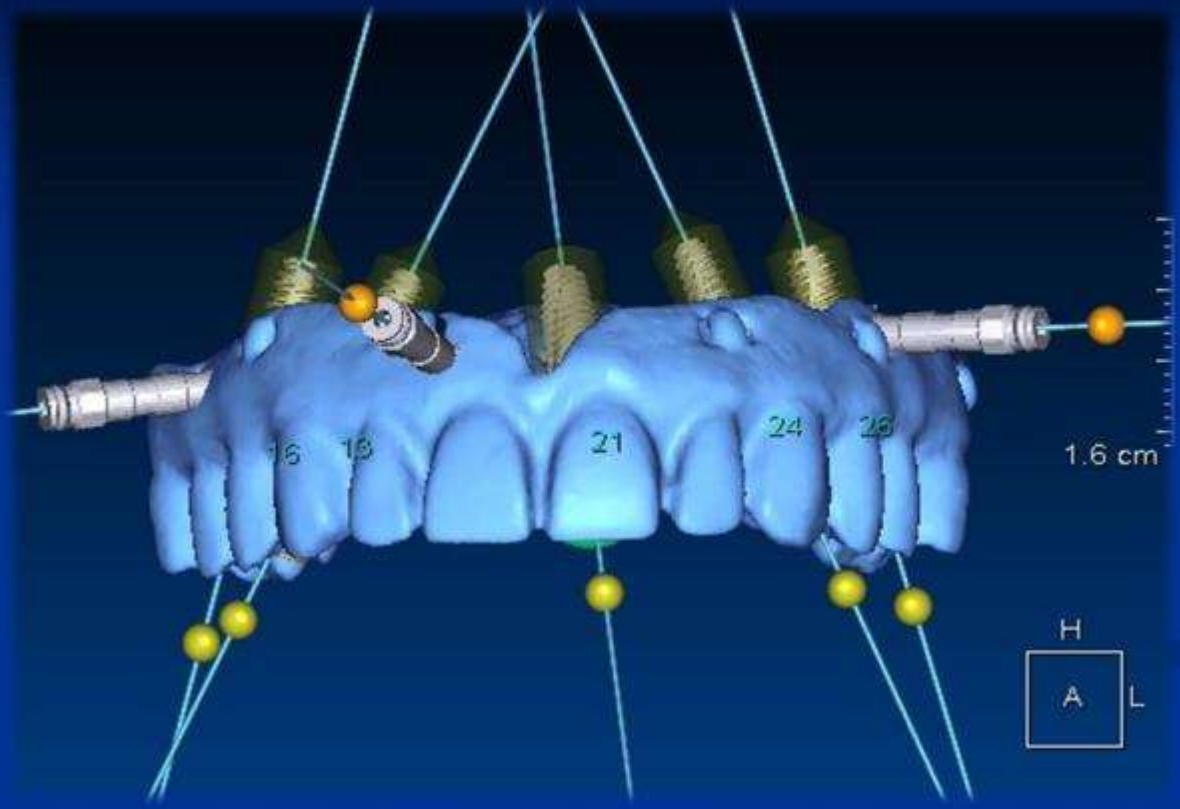
# CONDITION INITIALE



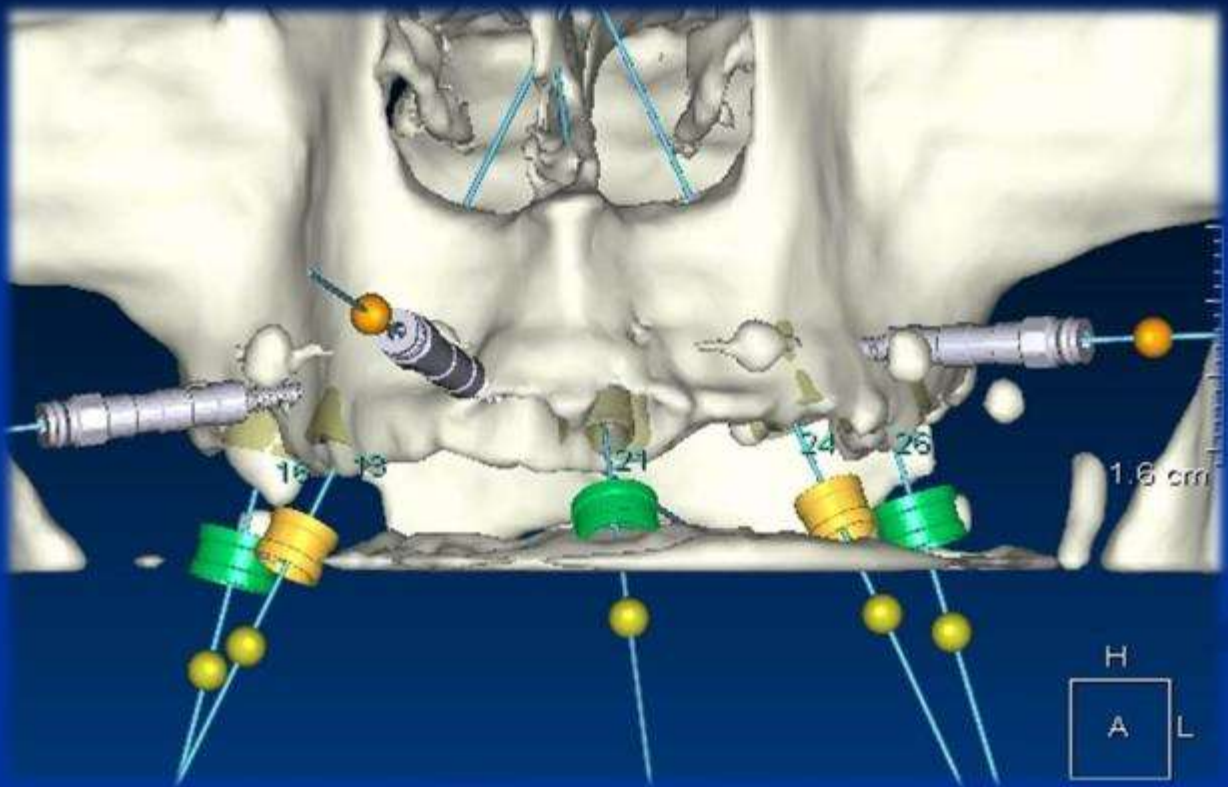
# PROJET DE CHIRURGIE GUIDÉE



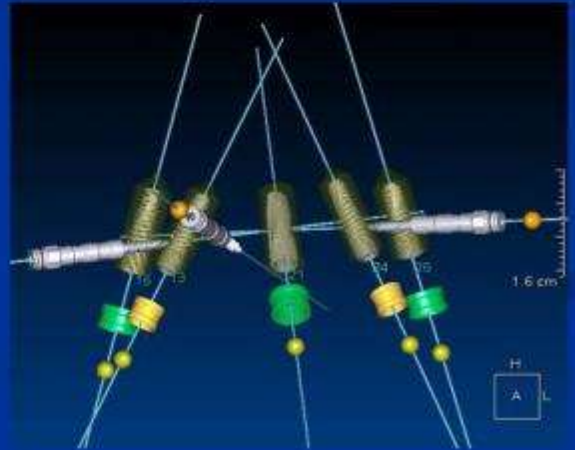
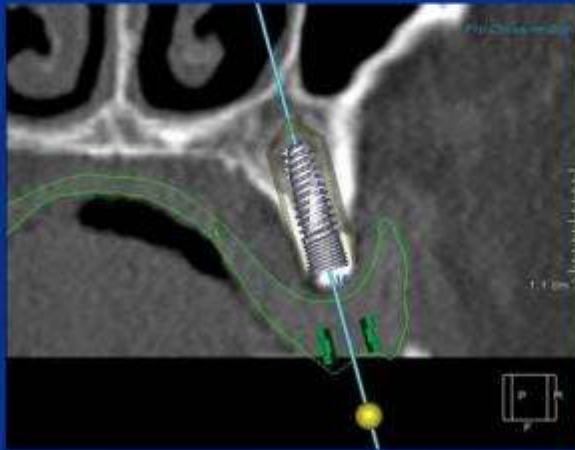
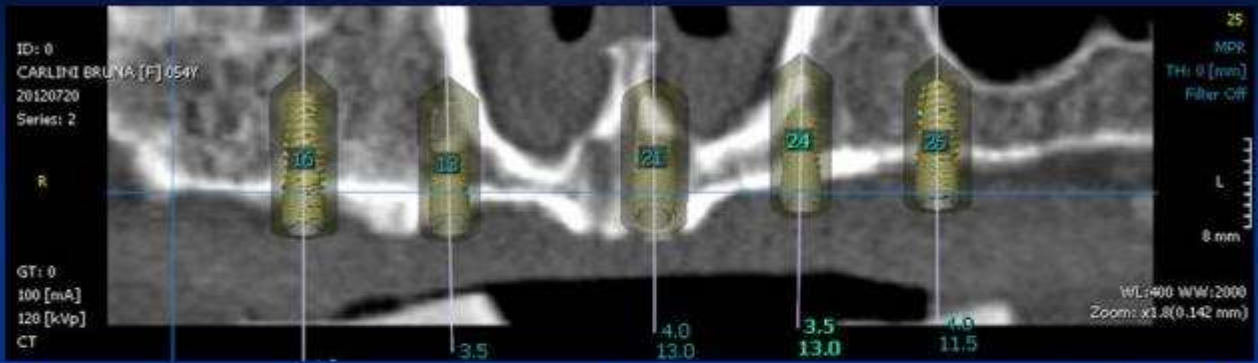
# PROJET DE CHIRURGIE GUIDÉE



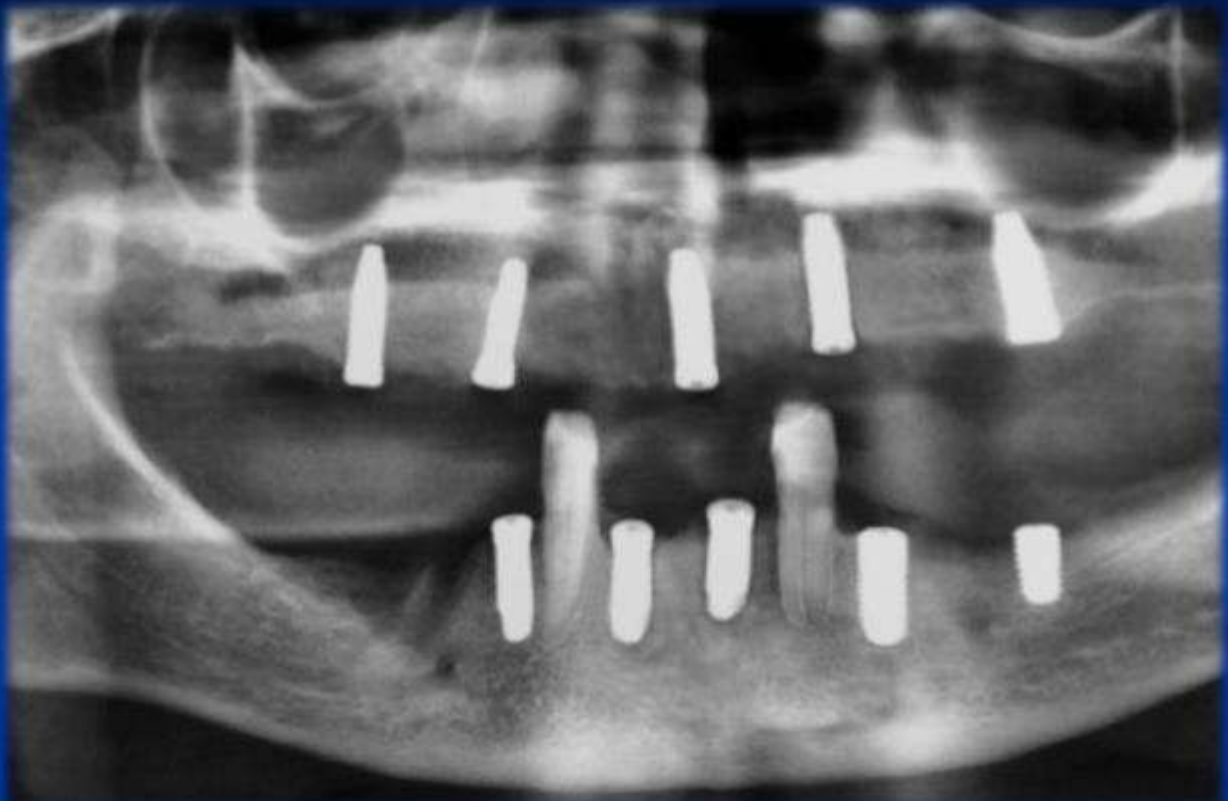
# PROJET DE CHIRURGIE GUIDÉE



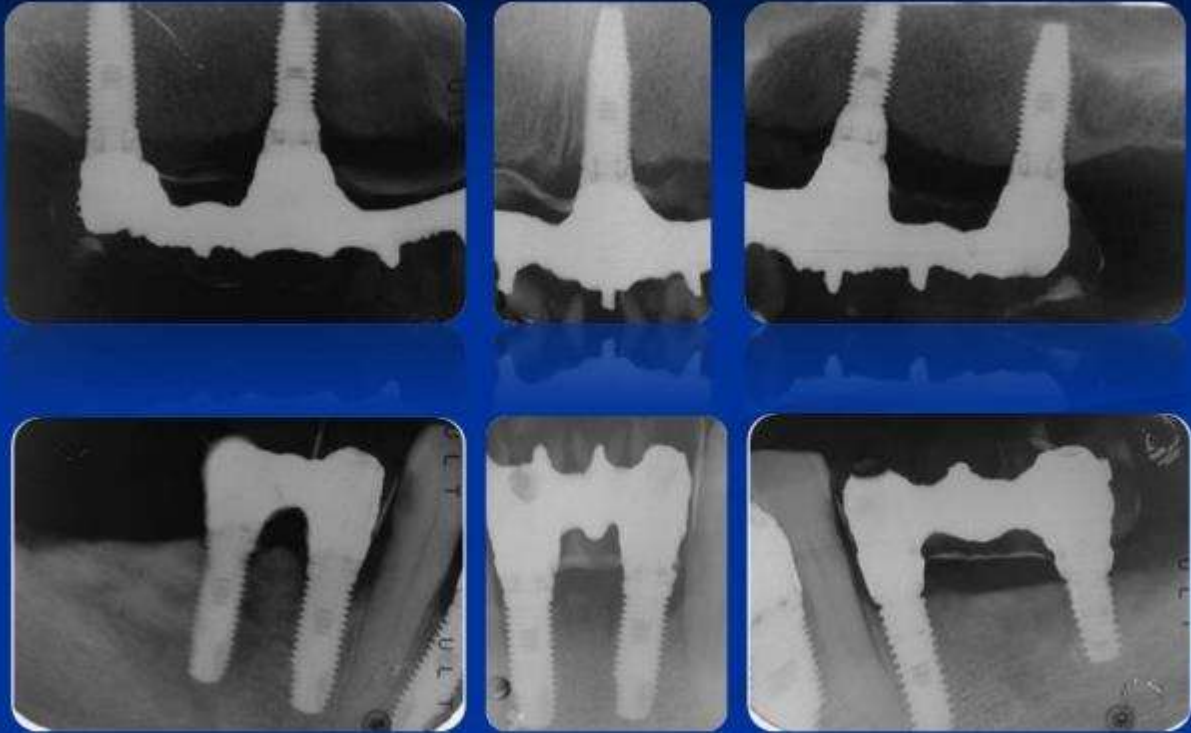
# PROJET DE CHIRURGIE GUIDÉE



# POSE DE L'IMPLANT DANS LE MAXILLAIRE SUPÉRIEUR



## CONTRÔLE DE FERMETURE DE LA PROTHÈSE



## PROJET DE PROTHESE

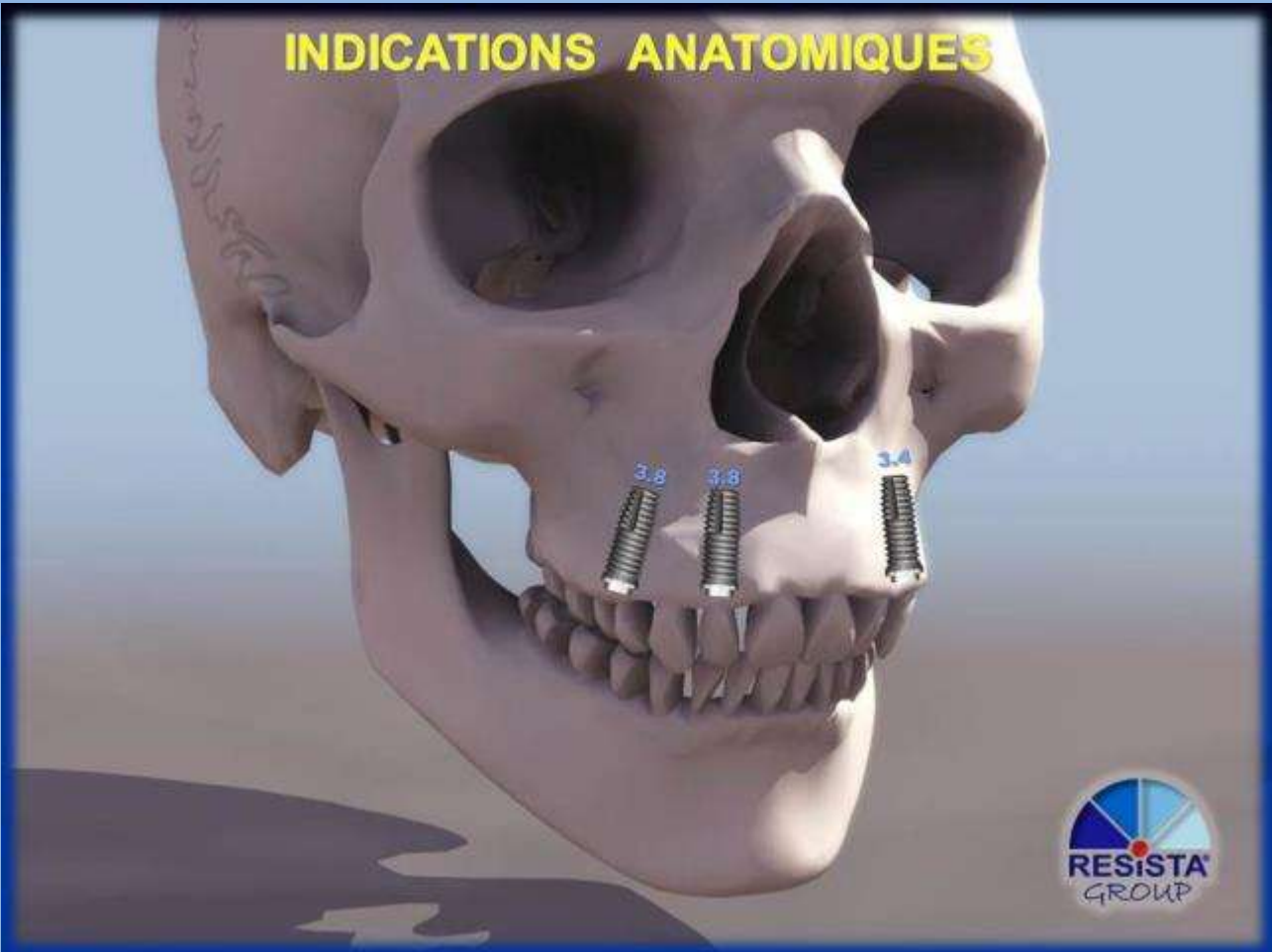


**PROJET DE PROTHESE**



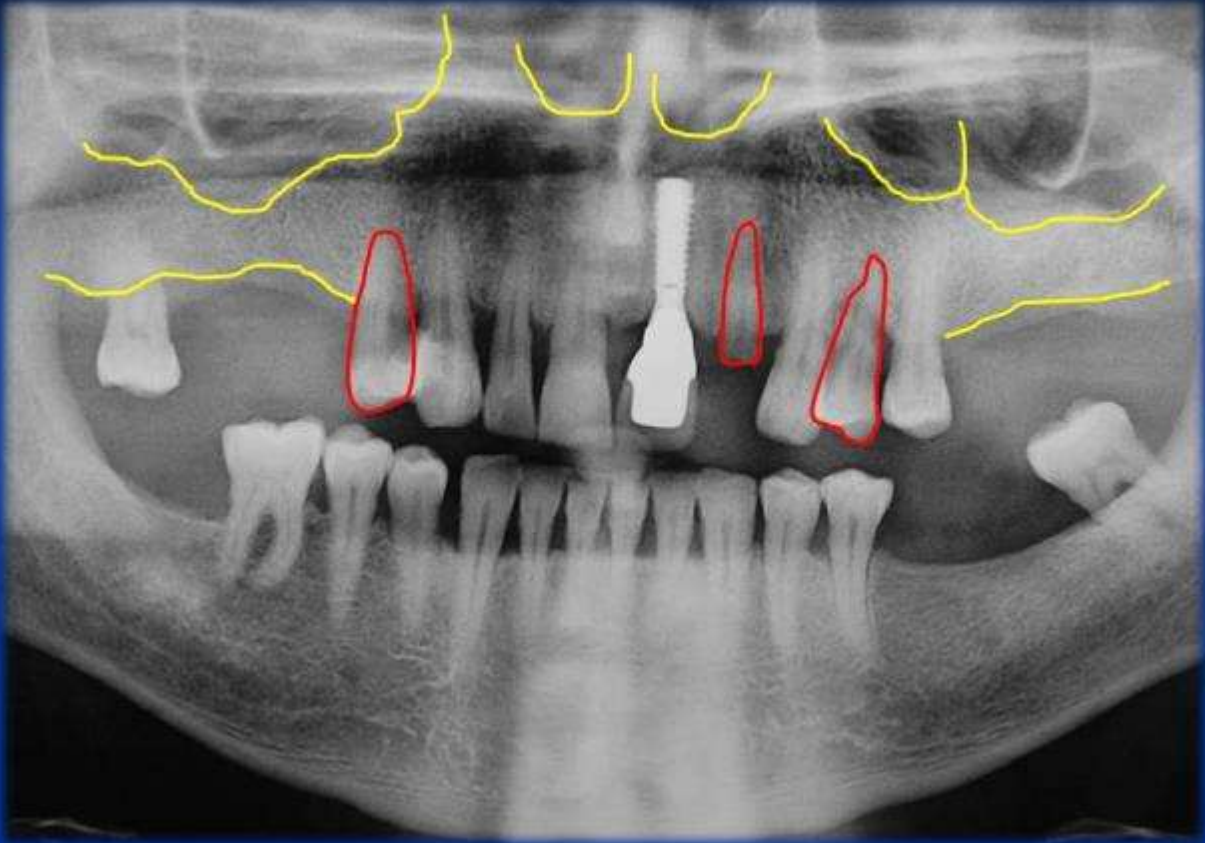
**PROJET DE PROTHESE**

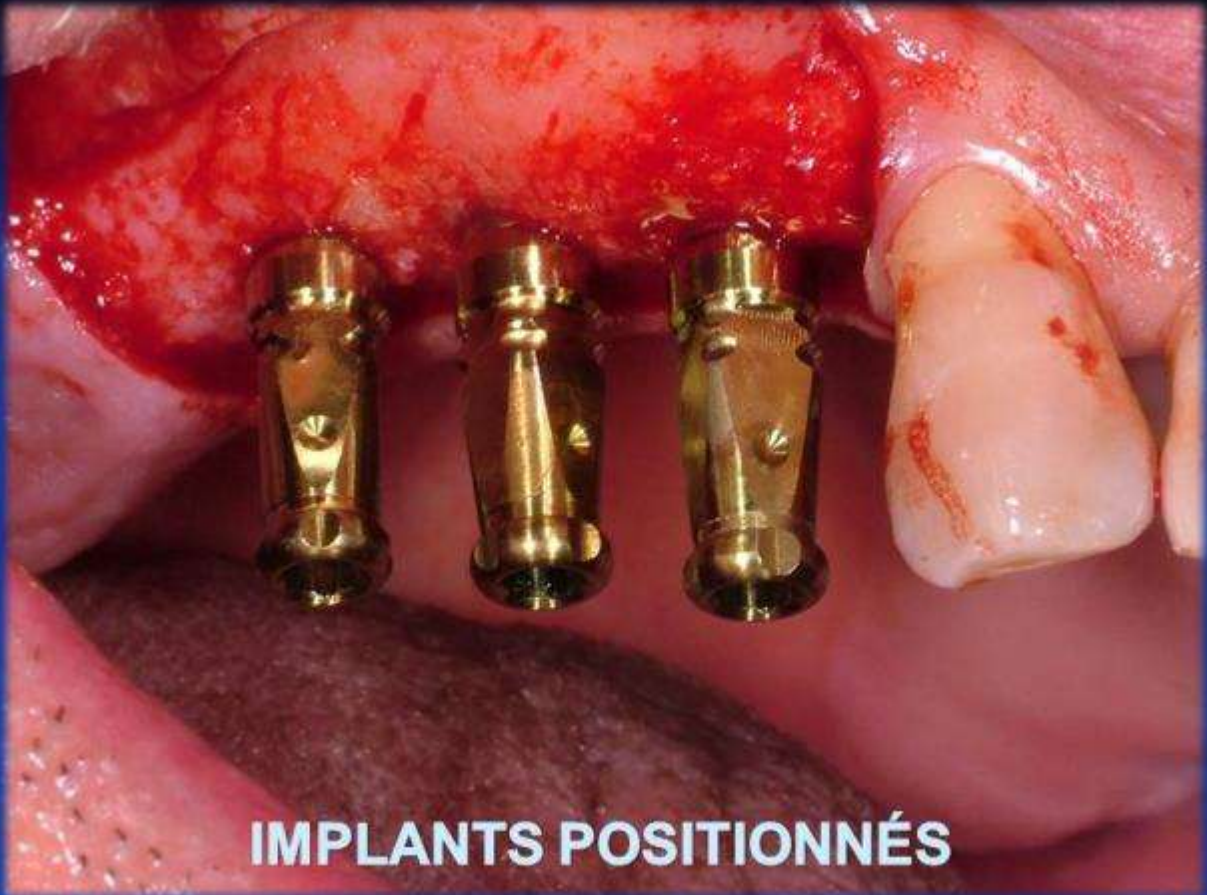


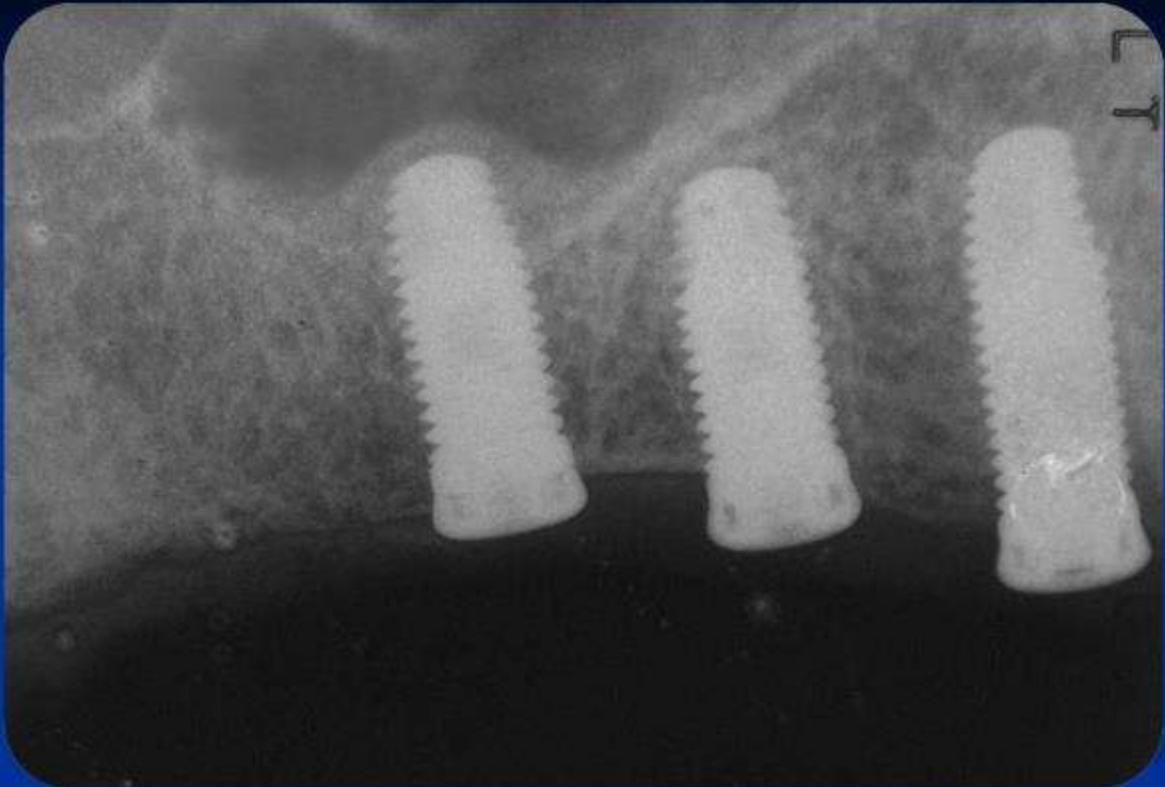
**INDICATIONS ANATOMIQUES****CASE REPORT EC 3.8**



## ENLEVEMENT DES ELEMENTS DENTAIRES

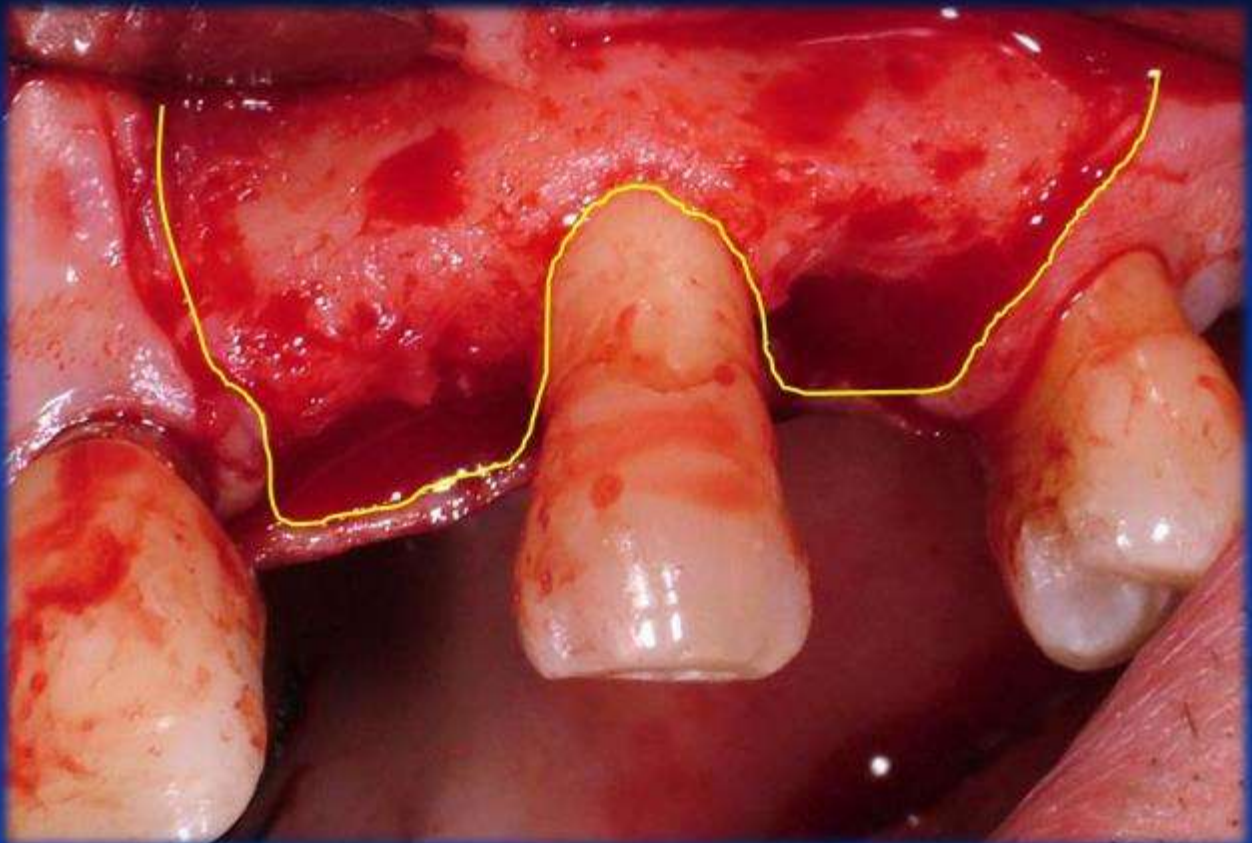






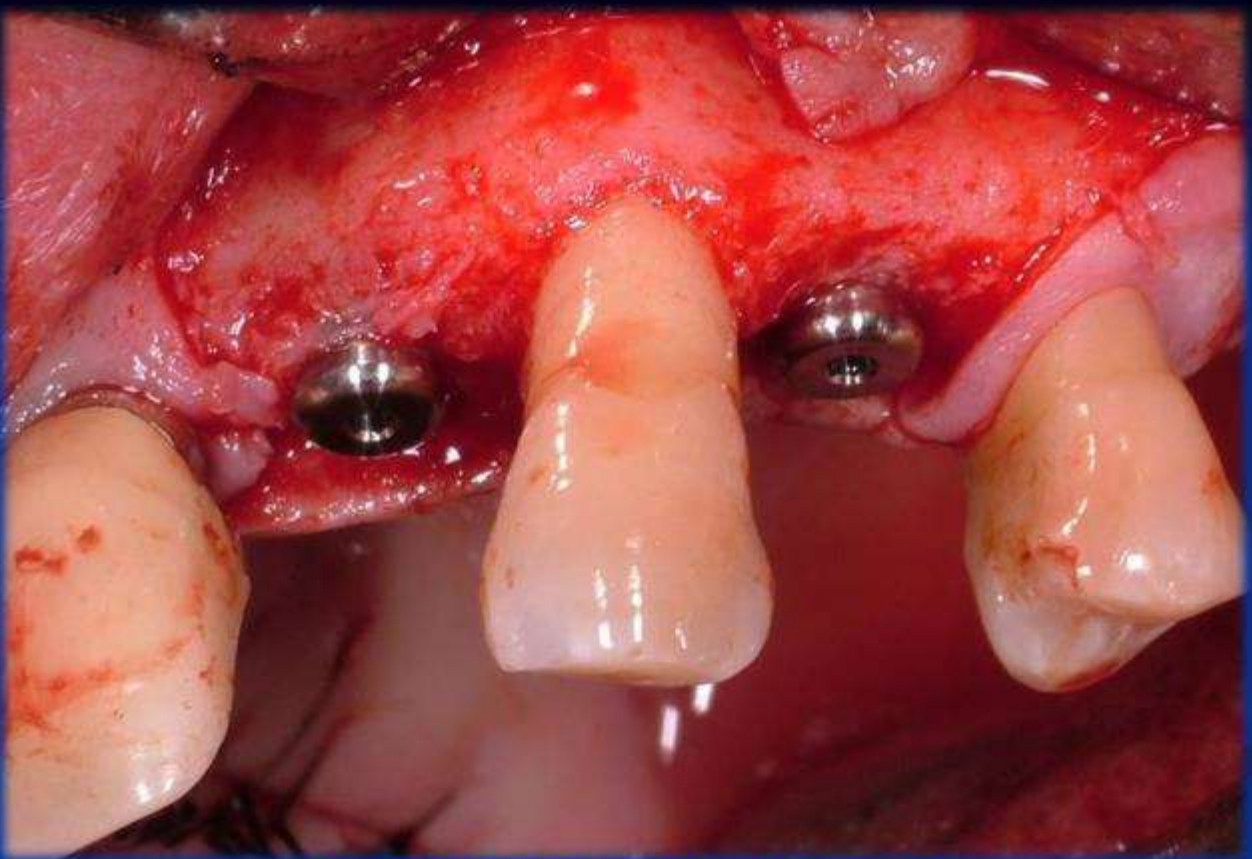
**SOULEVEMENT DU SINUS (VIA CRESTAL)  
EN POSITION 6**

**PLAIE VESTIBULAIRE PARACRESTAL**





**IMPLANTS POSITIONNÉS**



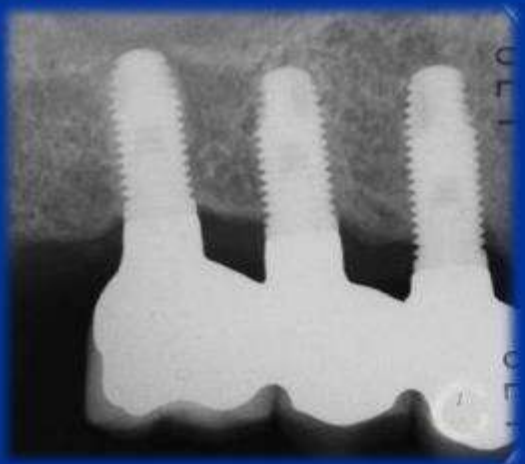
**VISSES DE GUERISON**

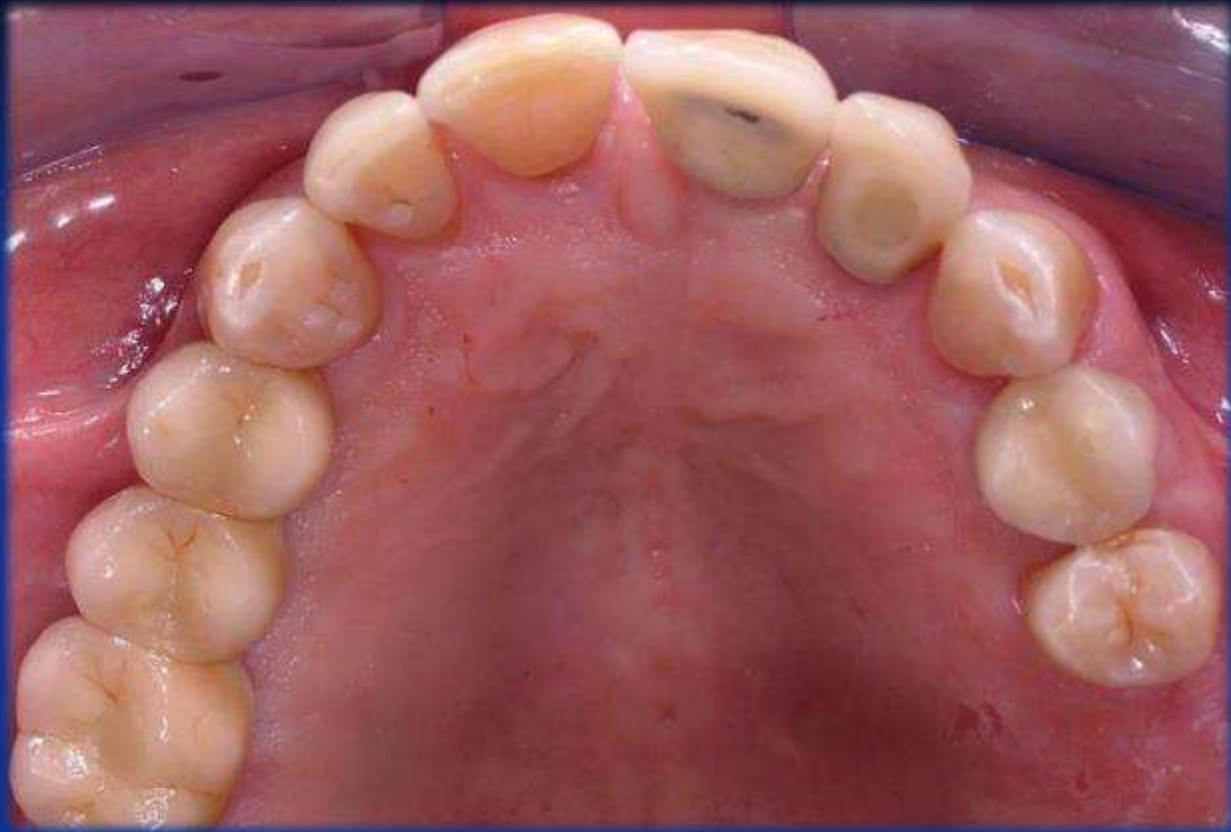


**PILIERES DE GUERISON DES TISSUS MOUS**

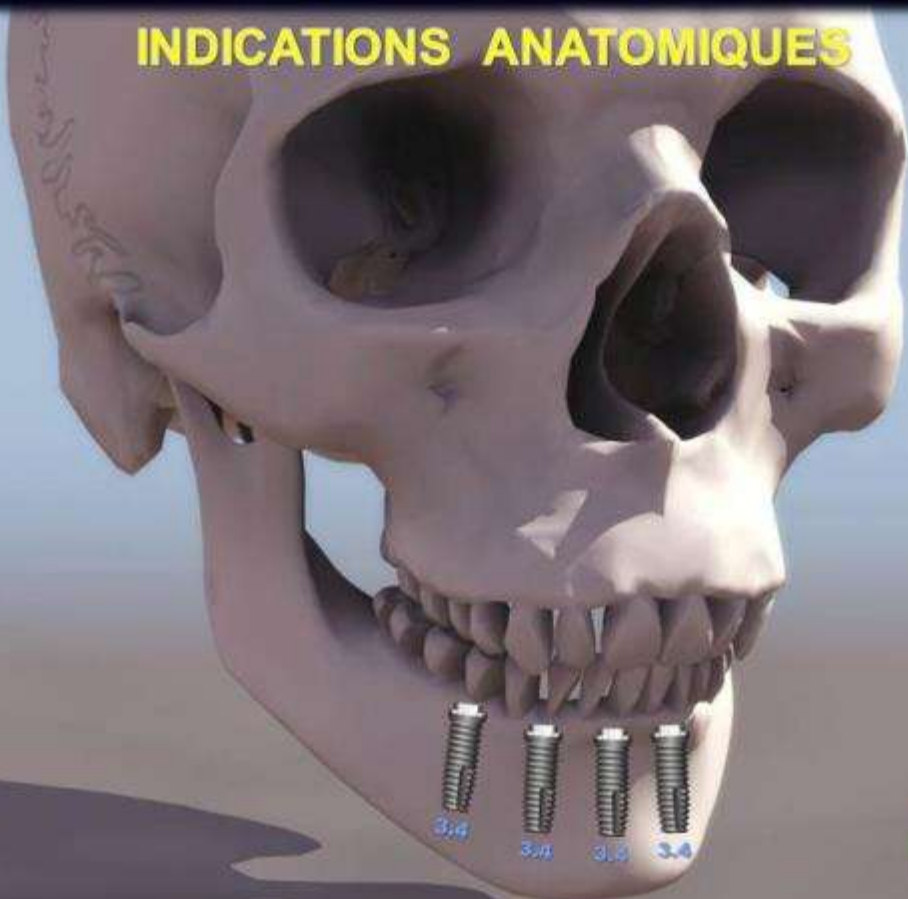


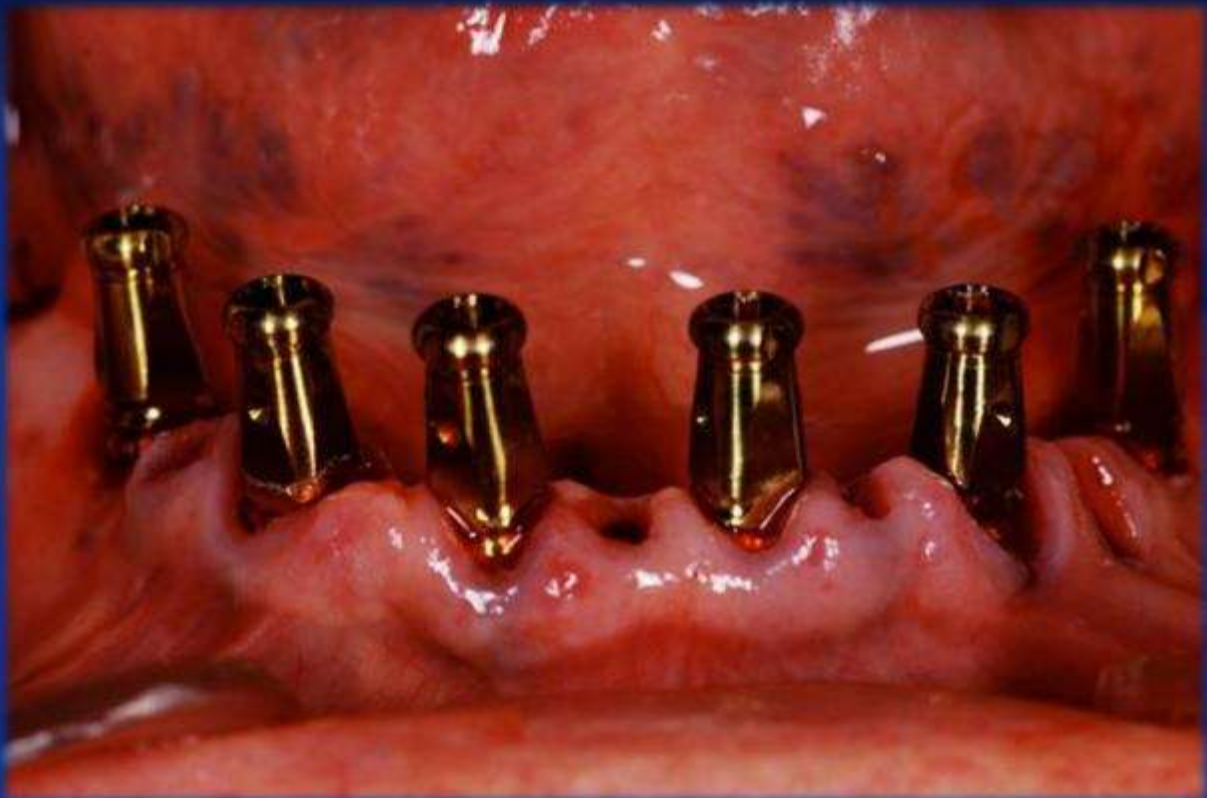


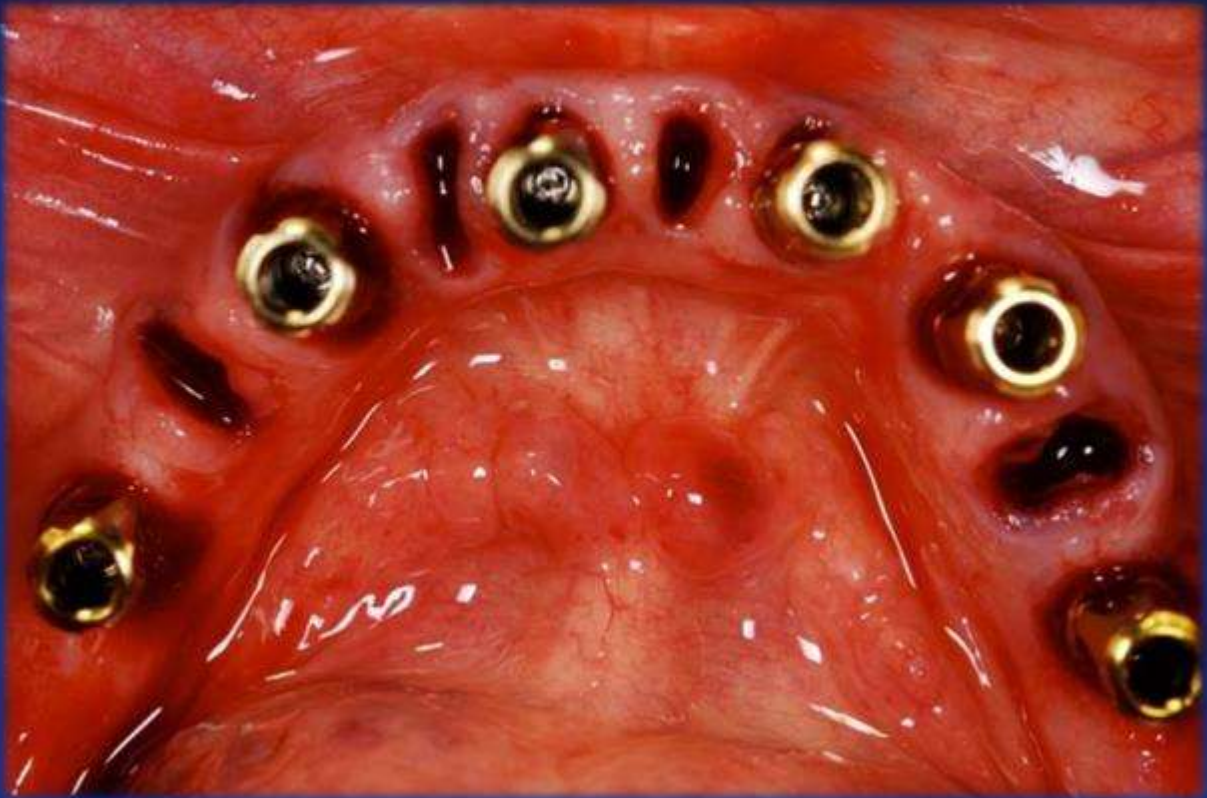




**INDICATIONS ANATOMIQUES**



**CASE REPORT CE 3.8****CASE REPORT CE 3.8**

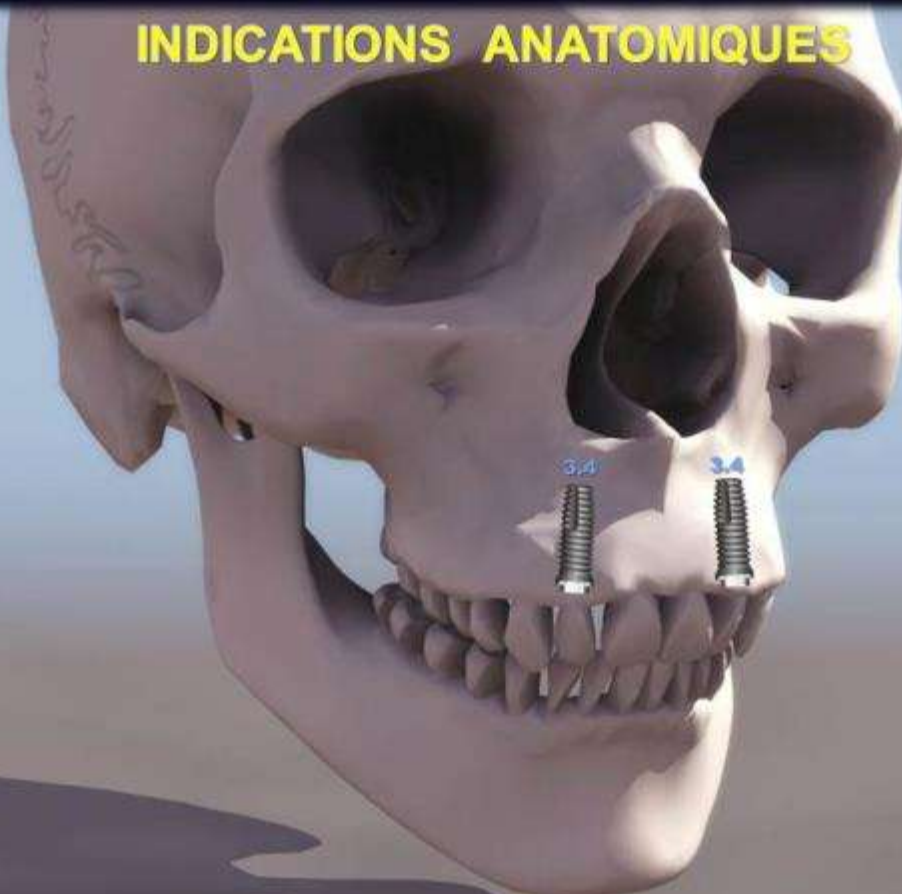
**CASE REPORT CE 3.8****CASE REPORT CE 3.8**

**CASE REPORT CE 3.8****CASE REPORT CE 3.8**

# CASE REPORT CE 3.8



## INDICATIONS ANATOMIQUES



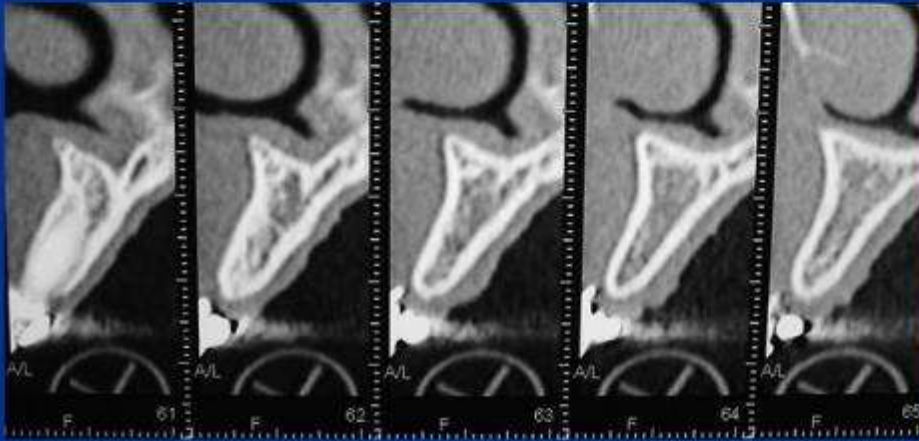
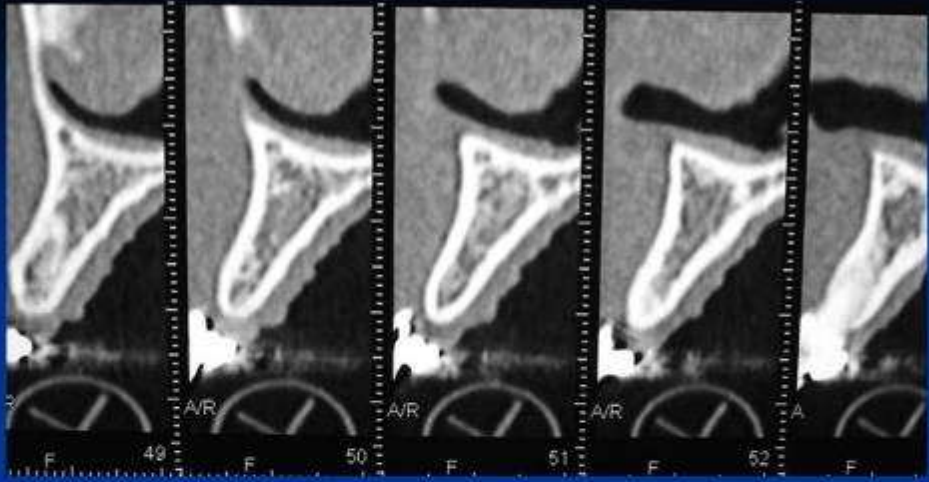
**CASE REPORT EC 3.4**  
**Agenèsie des Latéraux**



**“MARYLAND BRIDGE” PROVISOIR**



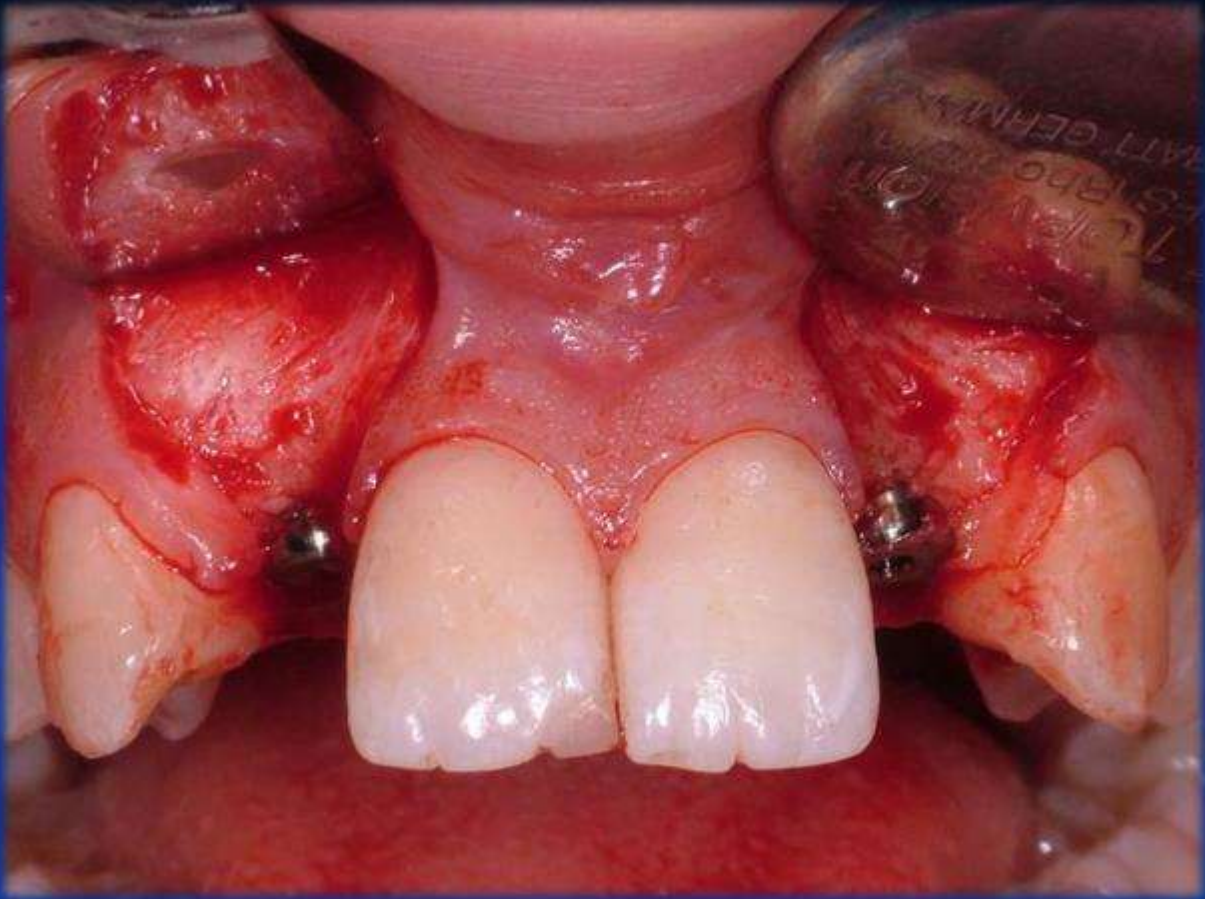
**Cone  
Beam  
Gauche SX**



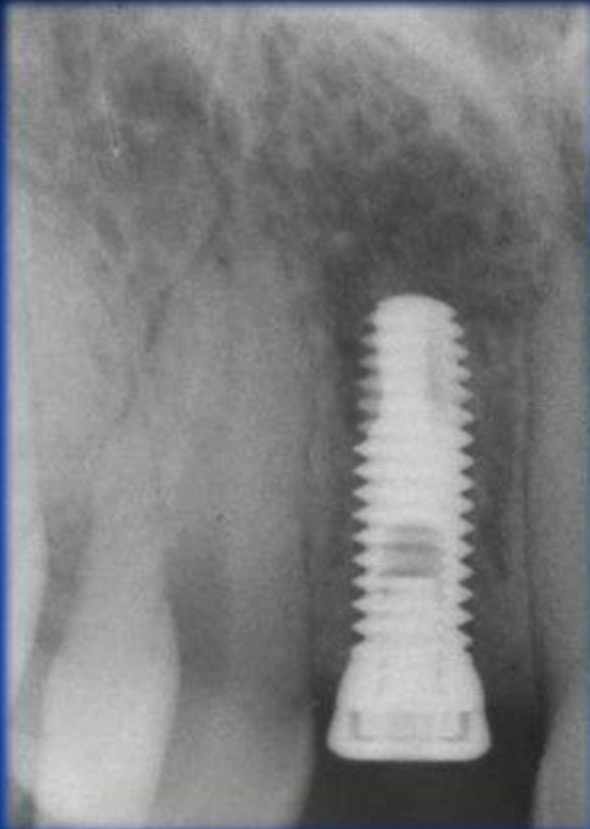
**Cone  
Beam  
Droite DX**

**ANESTHESIE PLEXIQUE LOCALE**



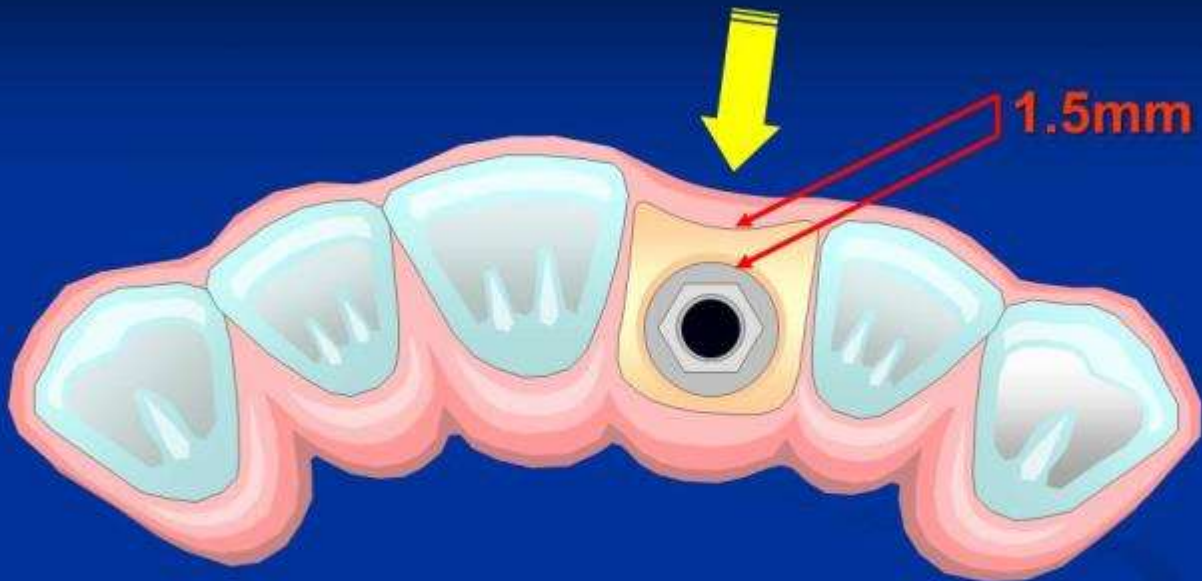


## CASE REPORT EC 3.4



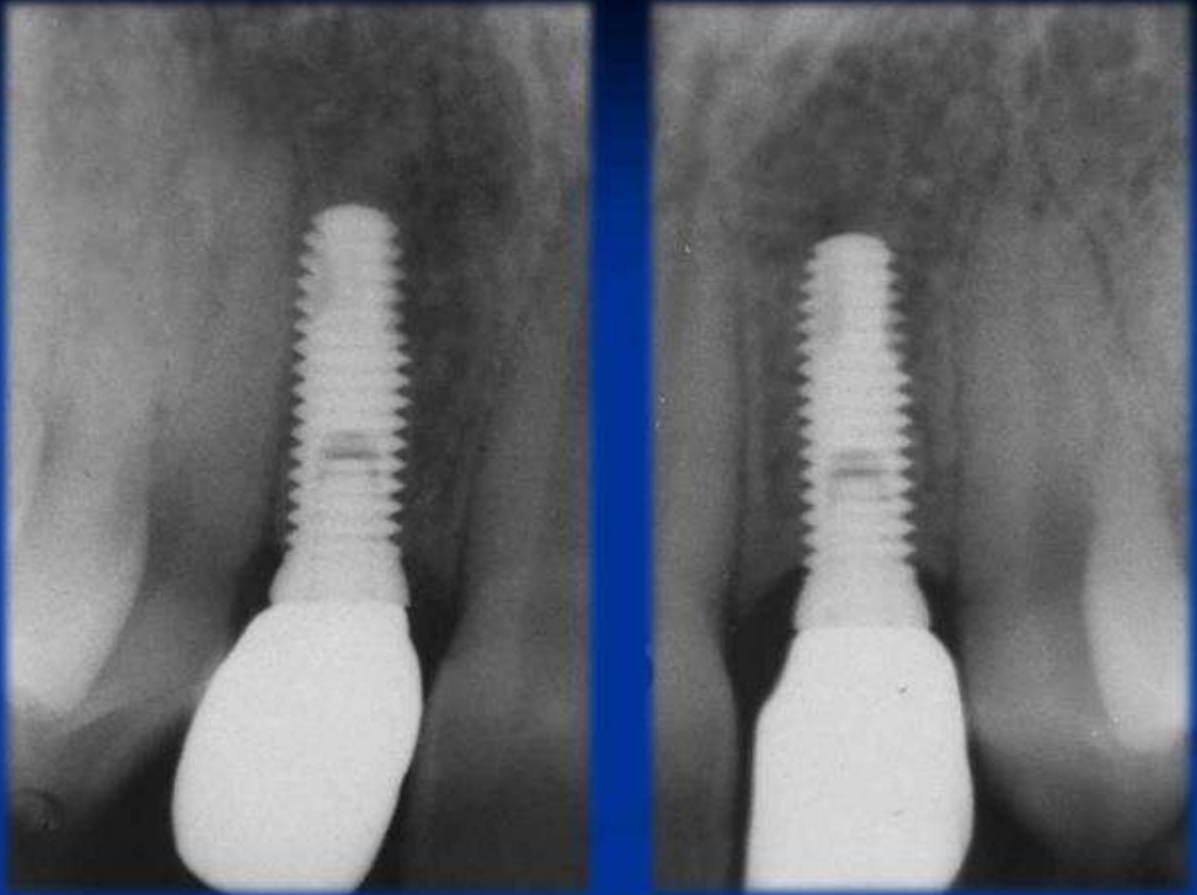


## ÉPAISSEURS MINIMUM PÉRIMÉTRALS



**EN CAS DE RÉABSORPTION OSSEUSE  
VESTIBULAIRE REVOIR LA POSITION  
DE L'IMPLANT EN DIRECTION PALATALE**

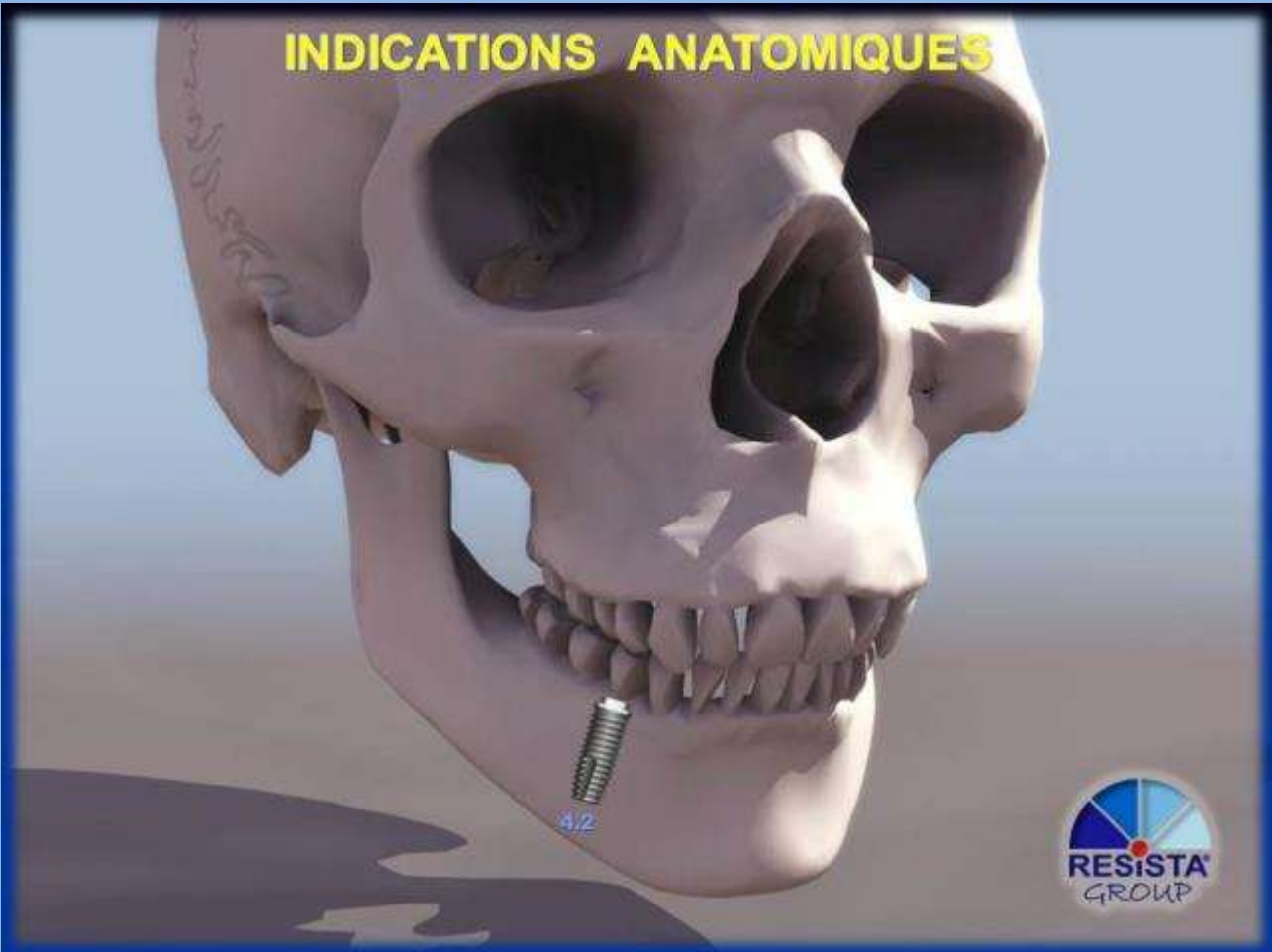
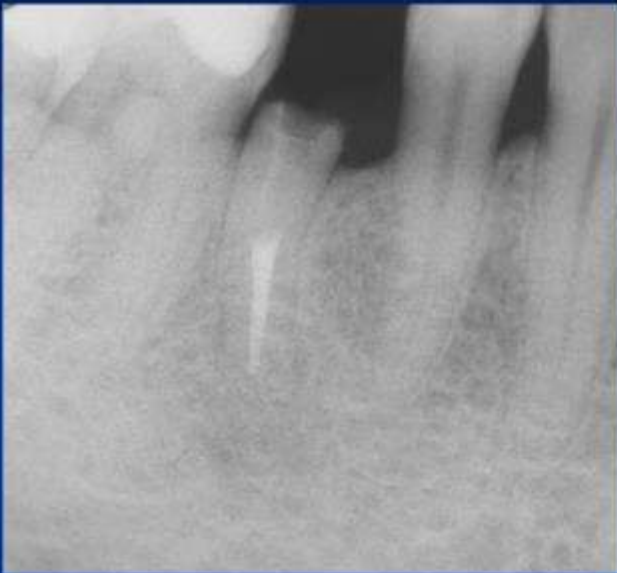


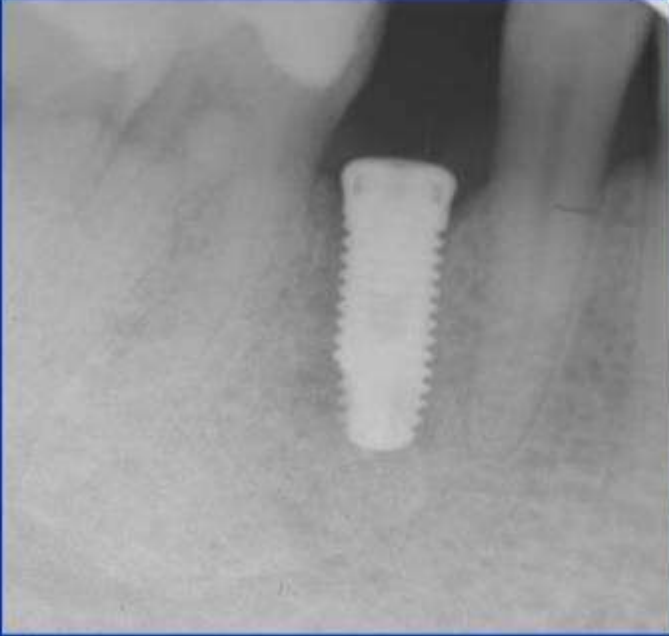
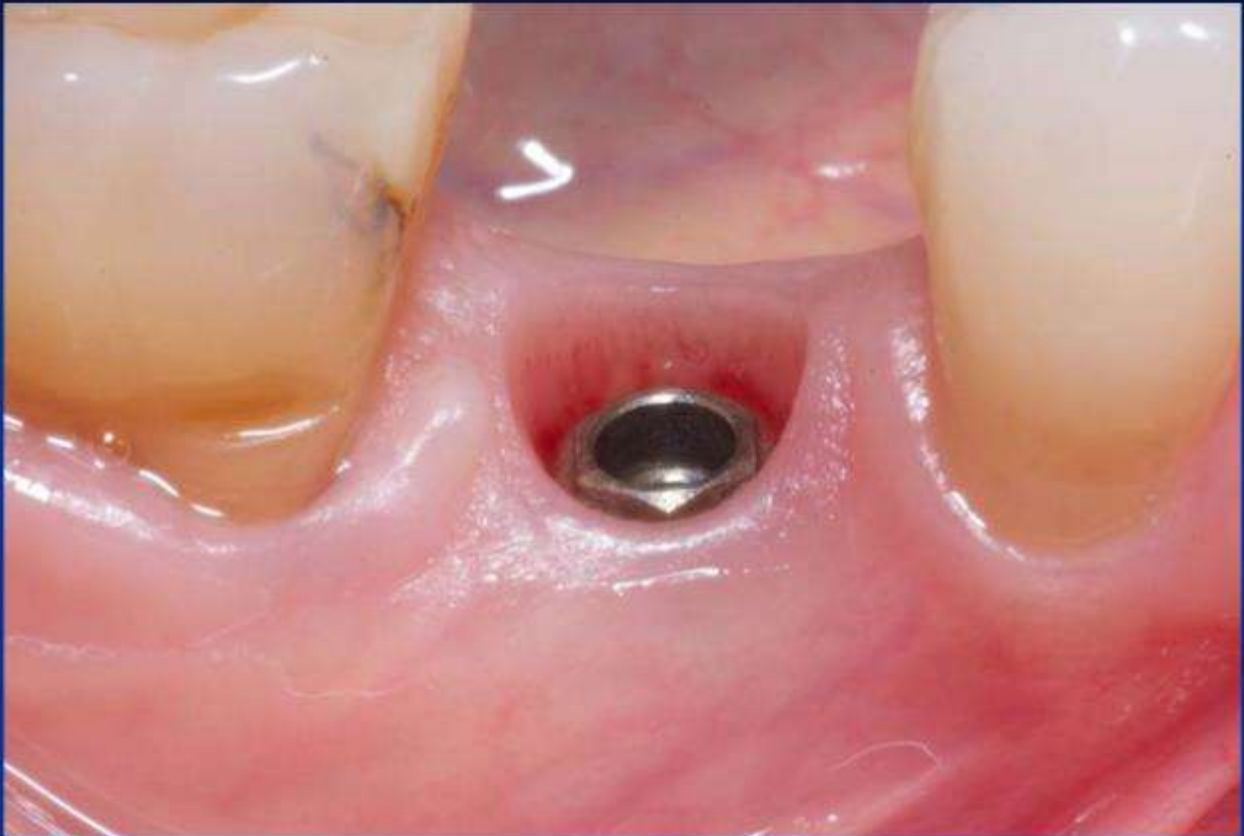


## PROVISOIRS

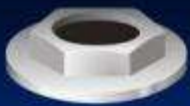


**DEFINITIFS**

**INDICATIONS ANATOMIQUES****CASE REPORT CE 4.2**

**CASE REPORT CE 4.2****CASE REPORT CE 4.2**

# CASE REPORT CE 4.2



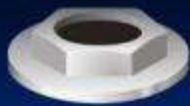
## EXTERNAL HEXAGON K-TAPERED



3.8



4.6



# EXTERNAL HEXAGON SHORT



4.2

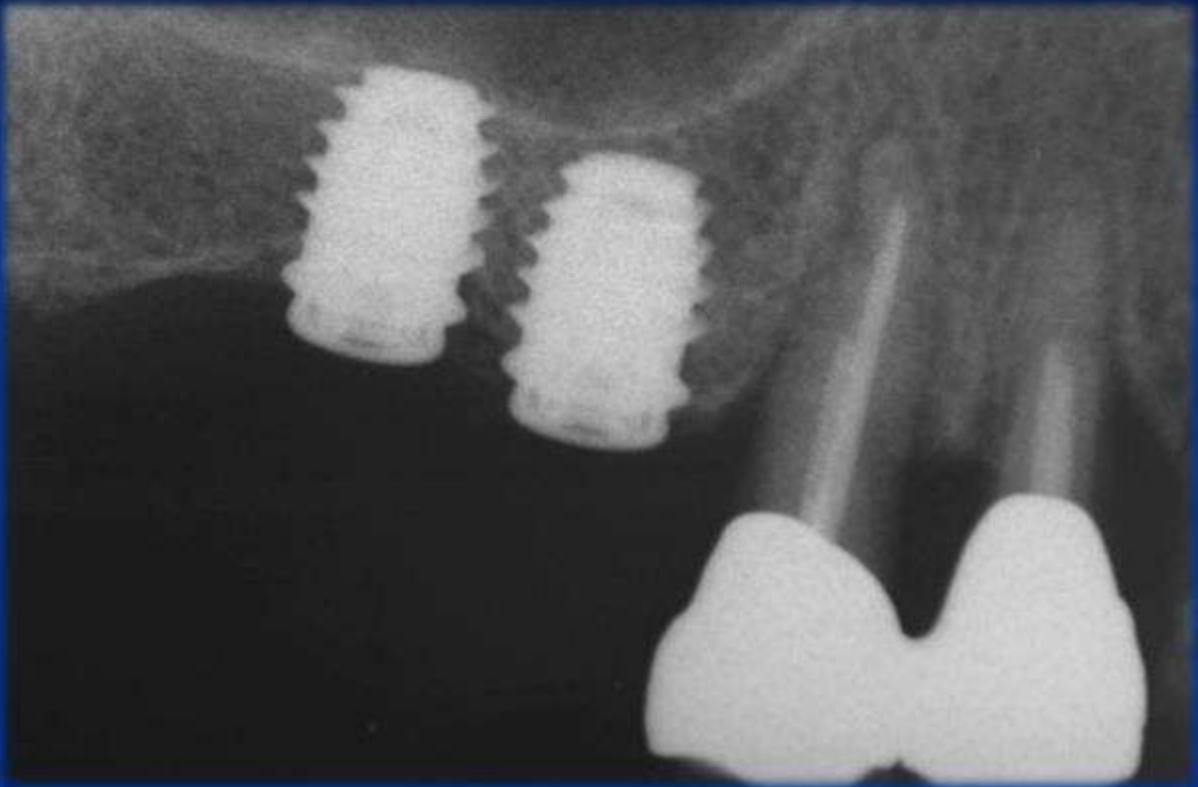


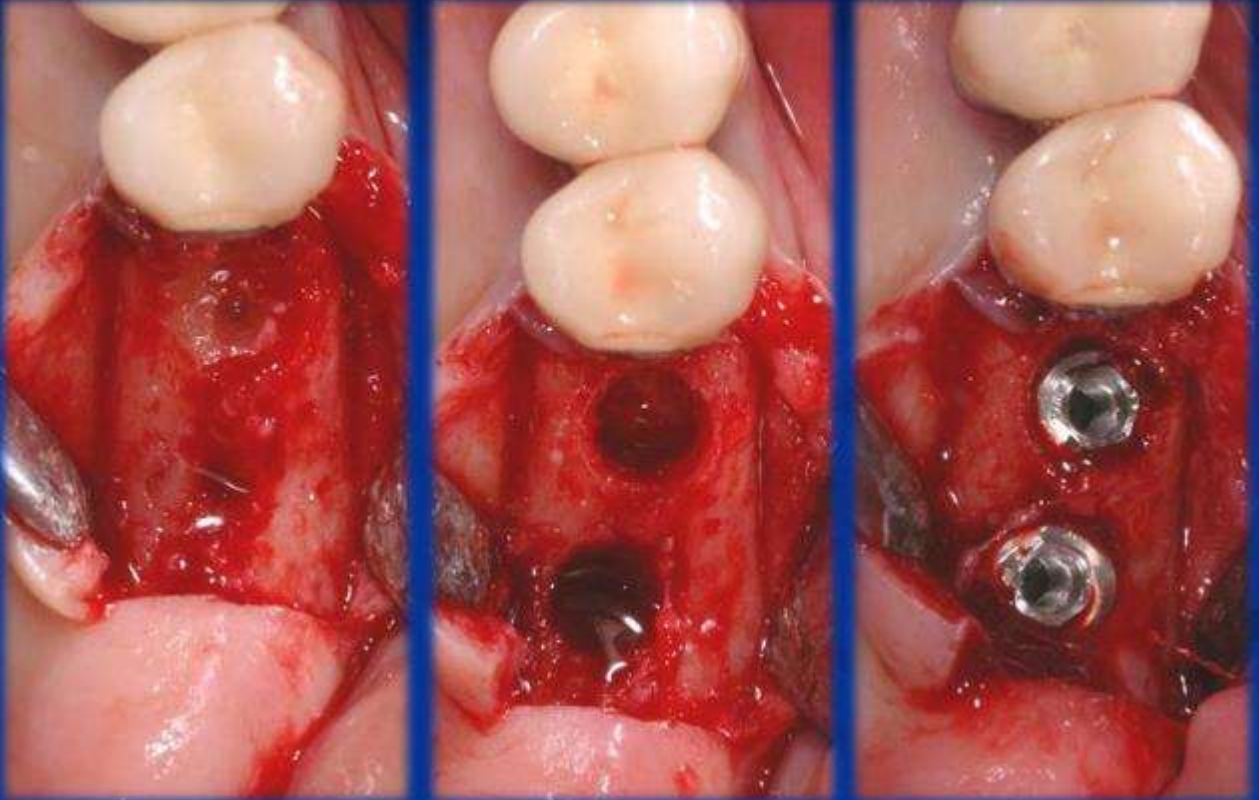
5.0



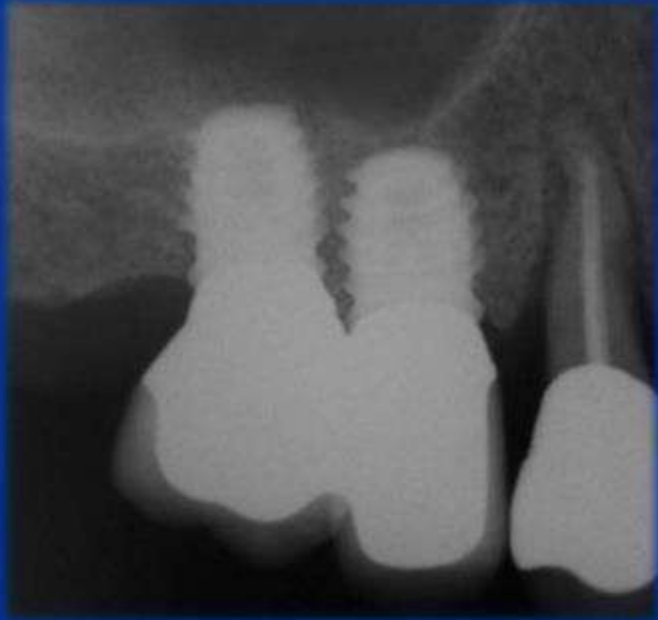
## CASE REPORT 5.0



**CASE REPORT 5.0****CASE REPORT 5.0**

**CASE REPORT 5.0**





# CASE REPORT 3.8 + 5.0



## INTERNAL HEXAGON CYLINDRIC



3.0



3.4



3.8



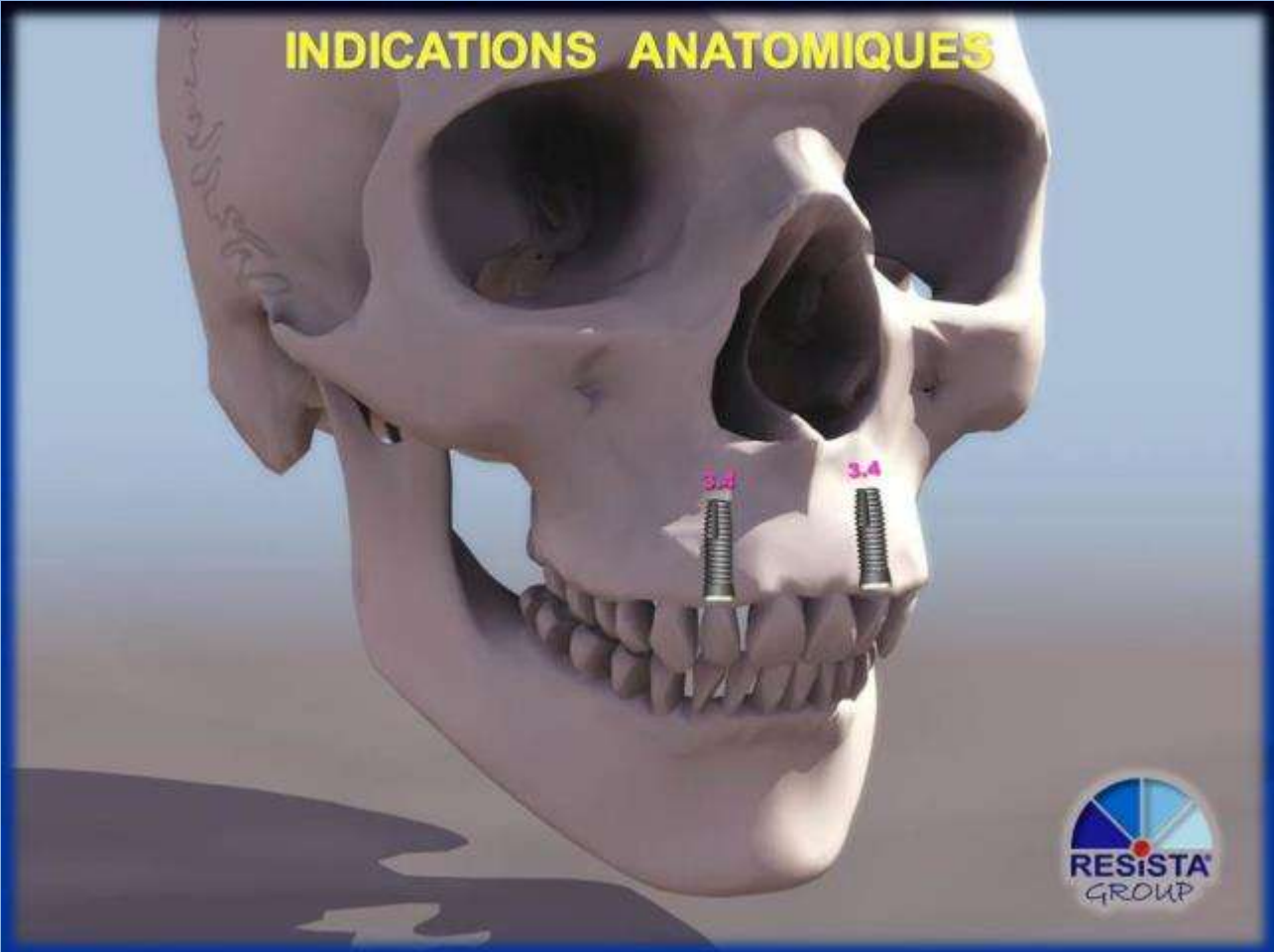
4.2



4.6



5.2

**INDICATIONS ANATOMIQUES****CASE REPORT CI 30 - 34**

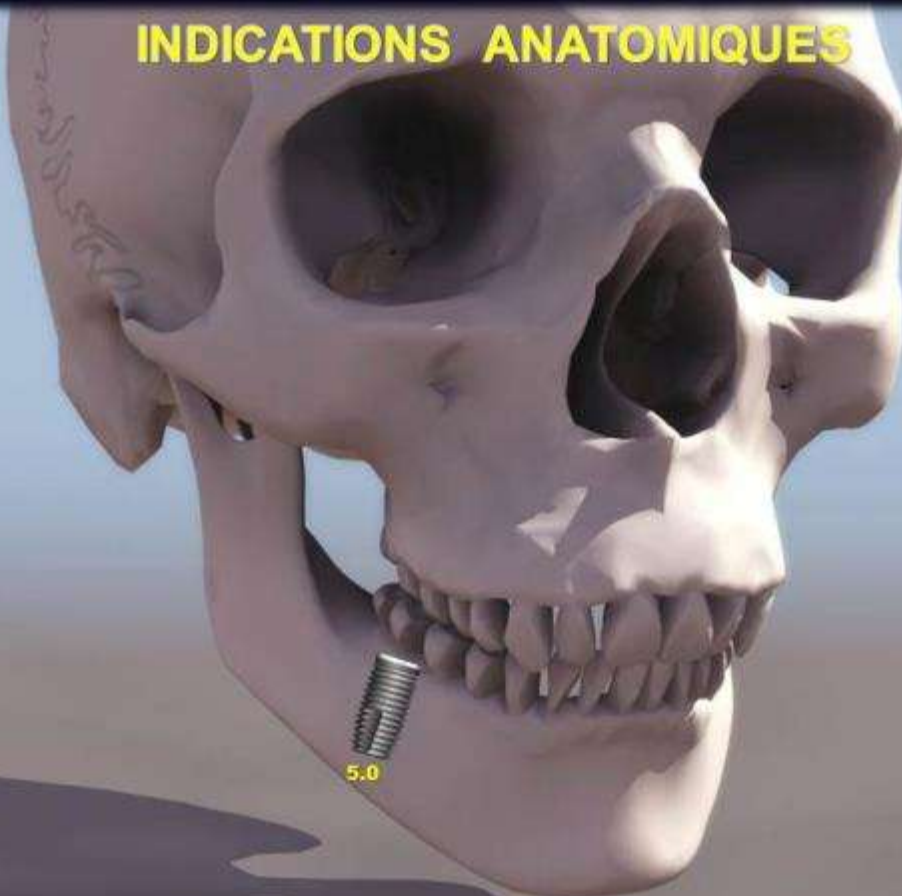
**CASE REPORT CI 30 - 34****CASE REPORT CI 30**

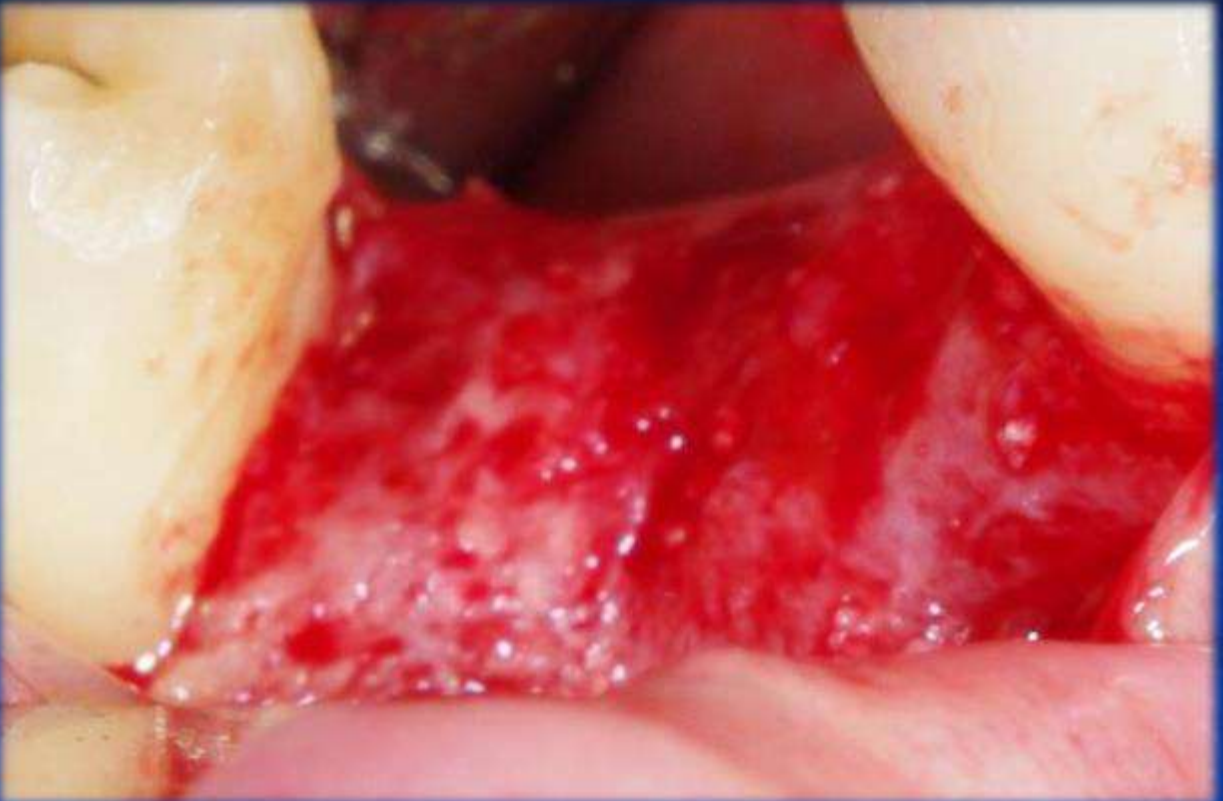


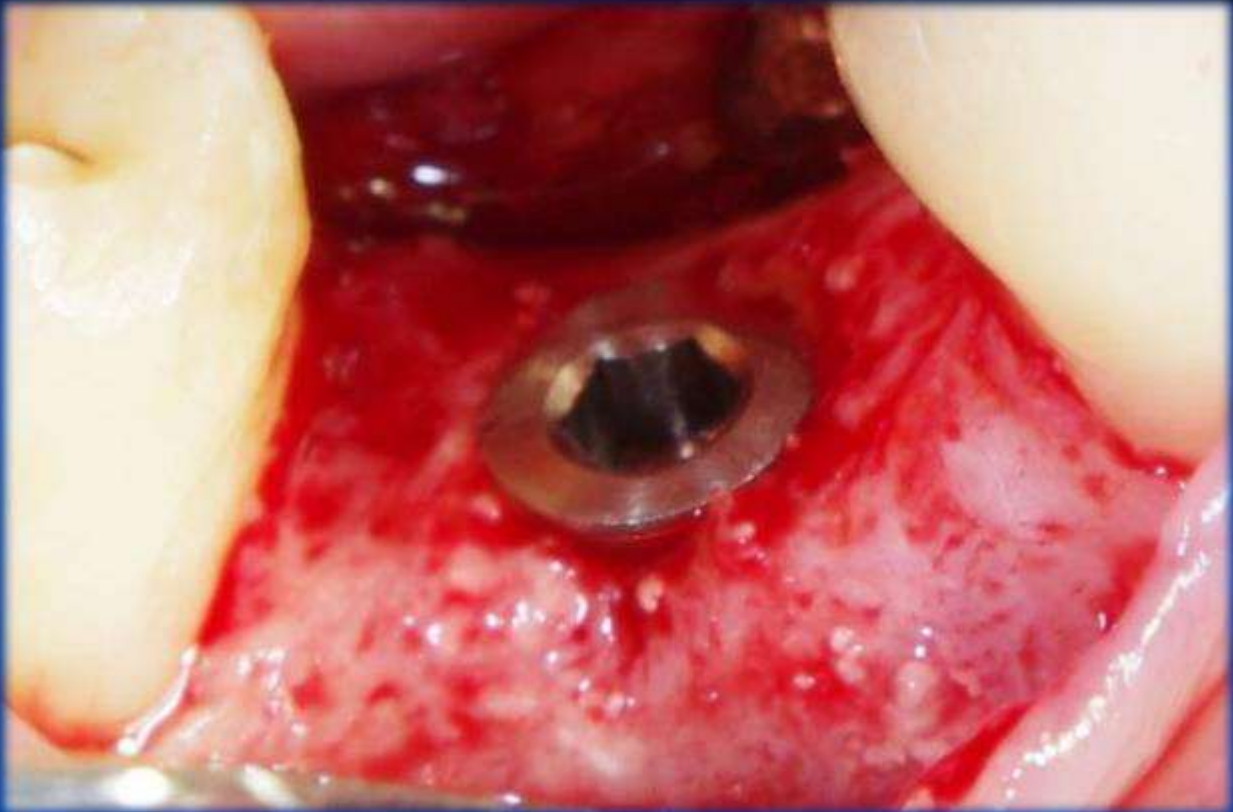




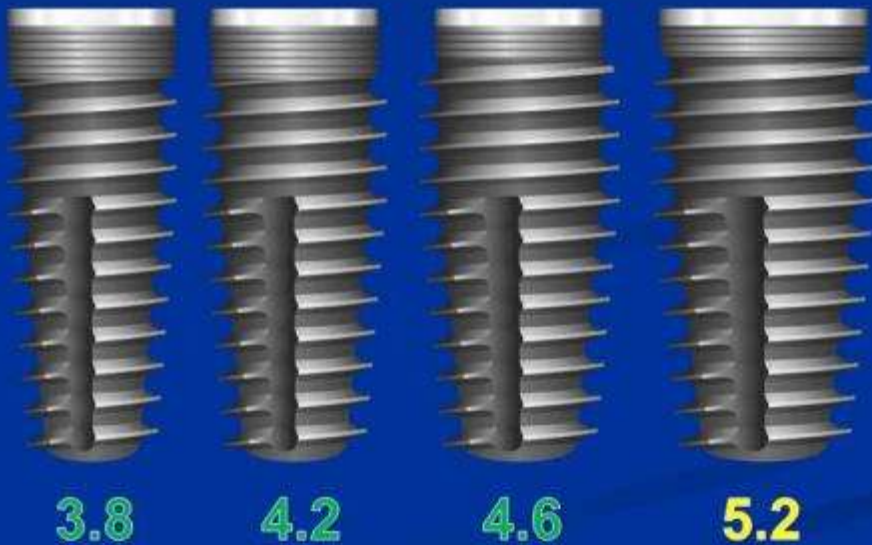
**INDICATIONS ANATOMIQUES**



**CASE REPORT CI 50****CASE REPORT CI 50**

**CASE REPORT CI 50****CASE REPORT CI 50**

**CASE REPORT CI 50****CASE REPORT CI 50**

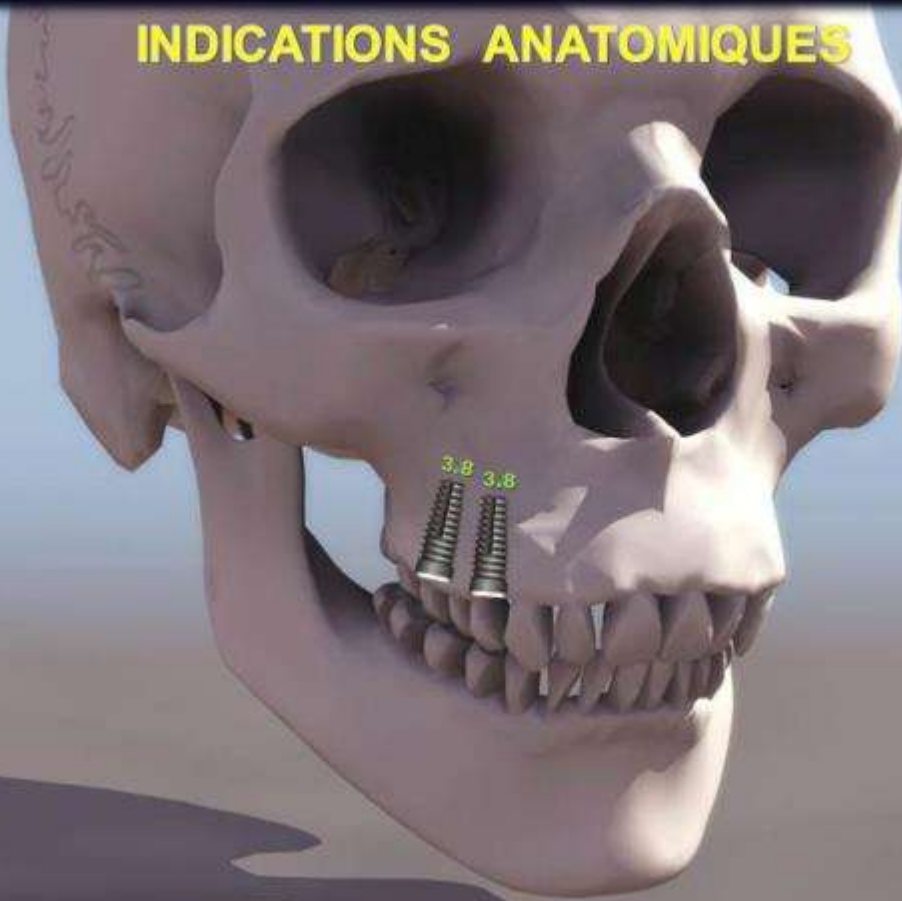
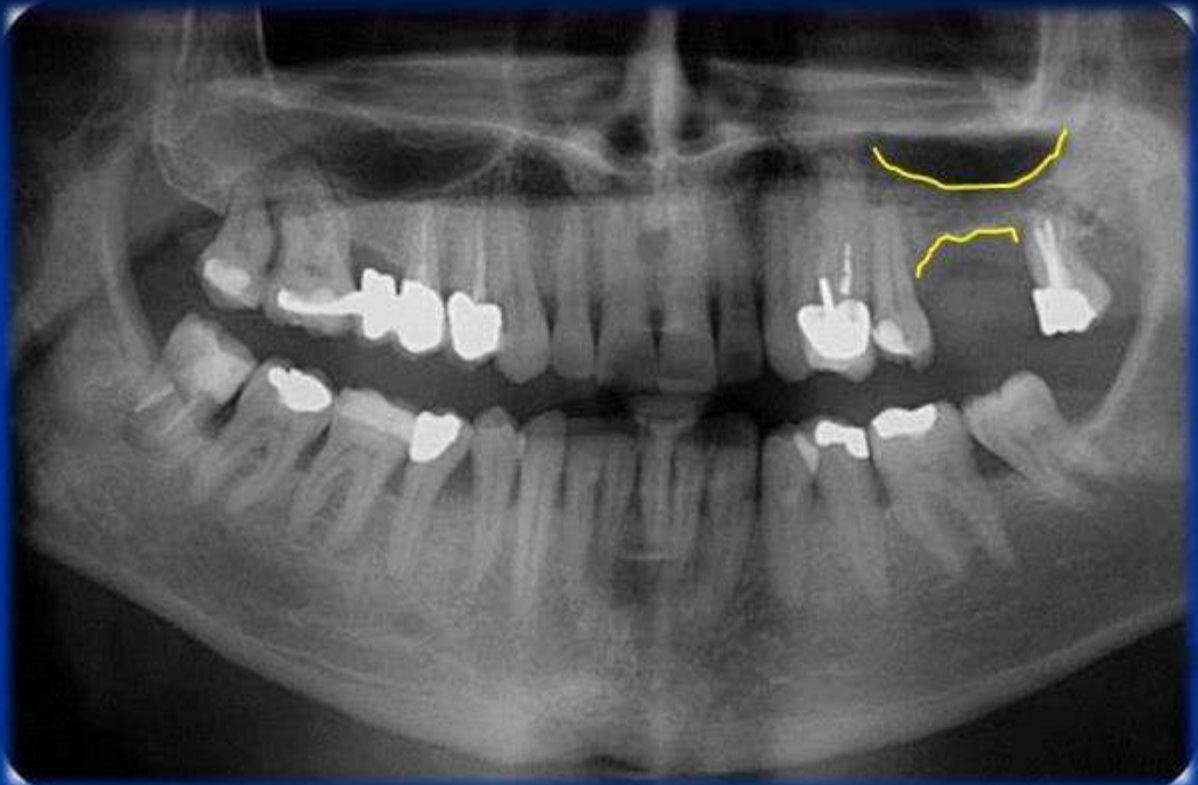
**CASE REPORT CI 50****INTERNAL HEXAGON  
K-TAPERED**

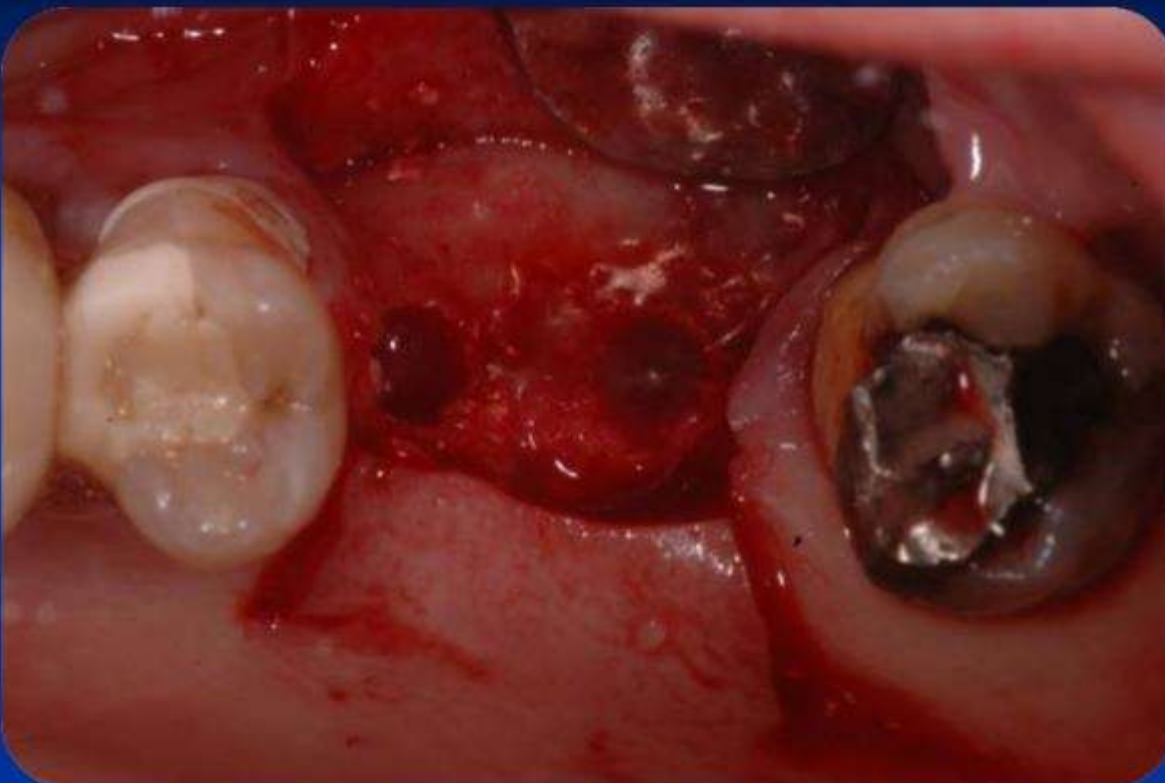
3.8

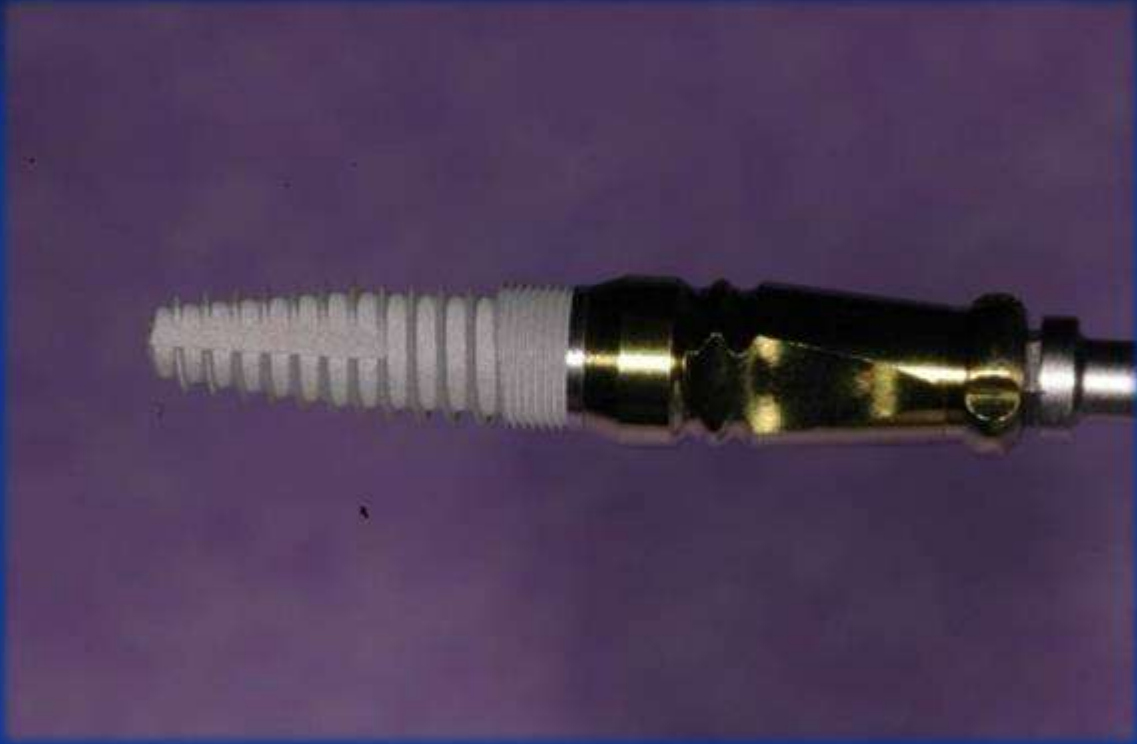
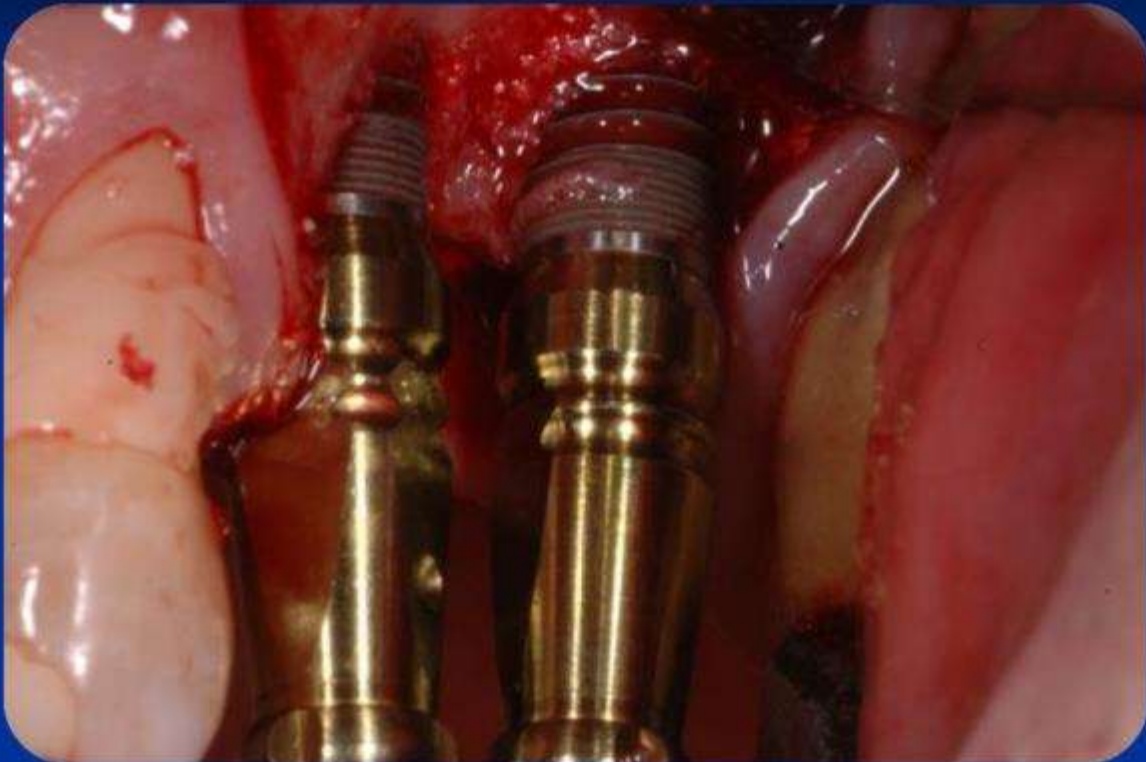
4.2

4.6

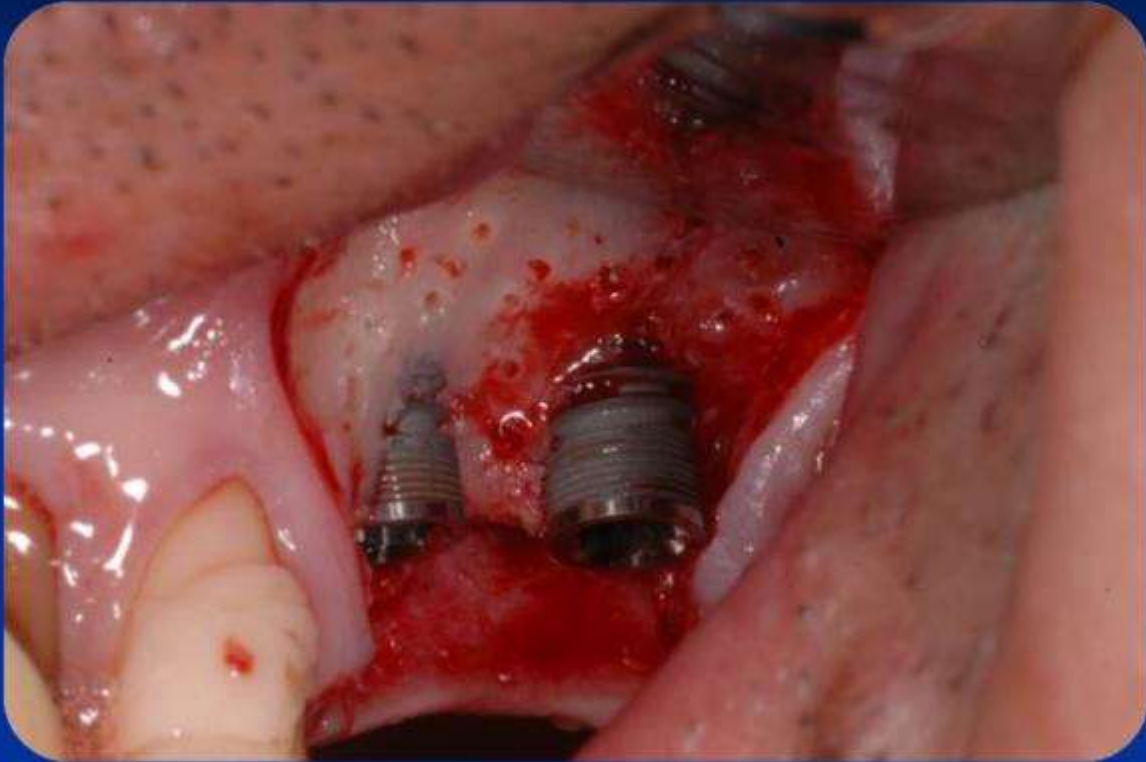
5.2

**INDICATIONS ANATOMIQUES****CASE REPORT IK 40**

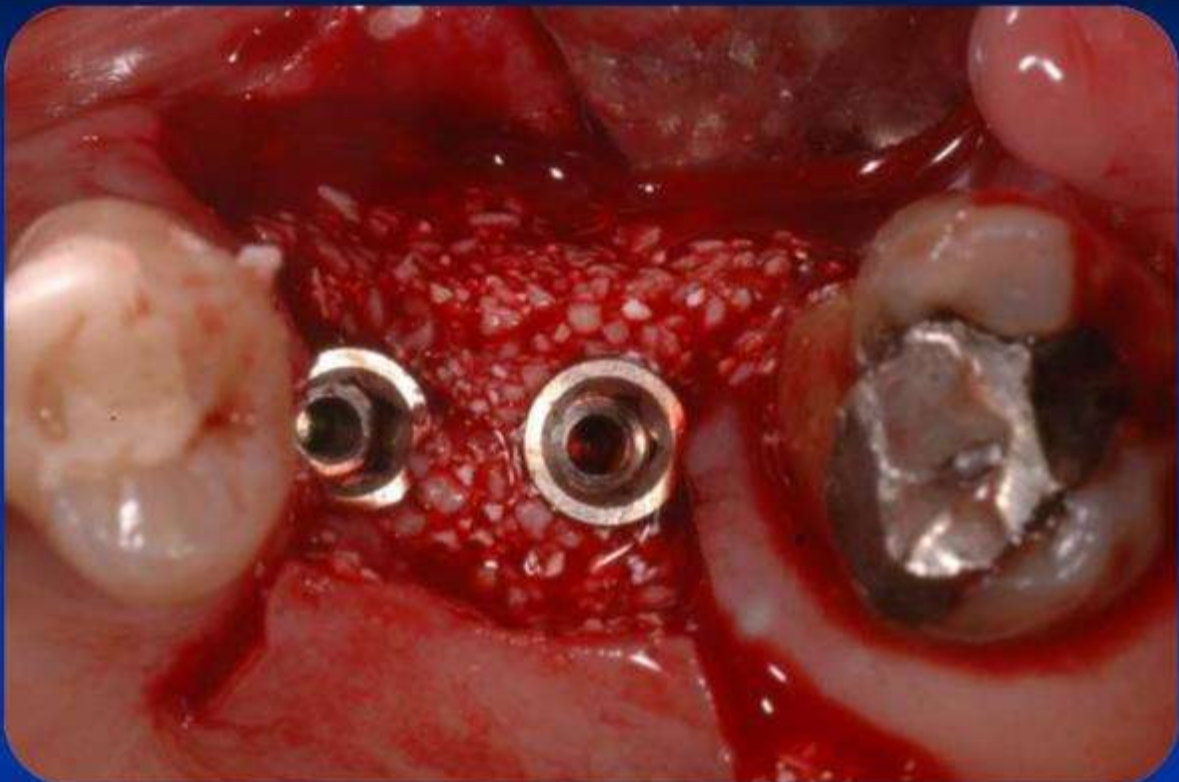
**CASE REPORT IK 40****CASE REPORT IK 40**

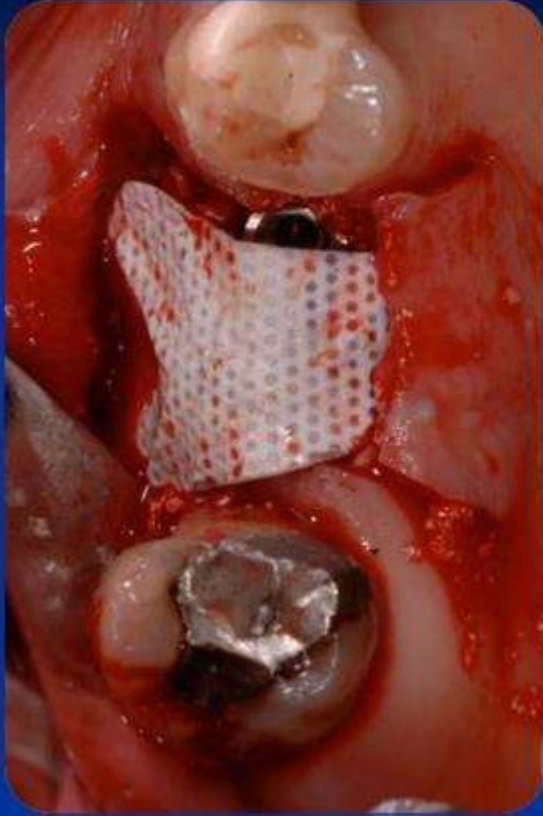
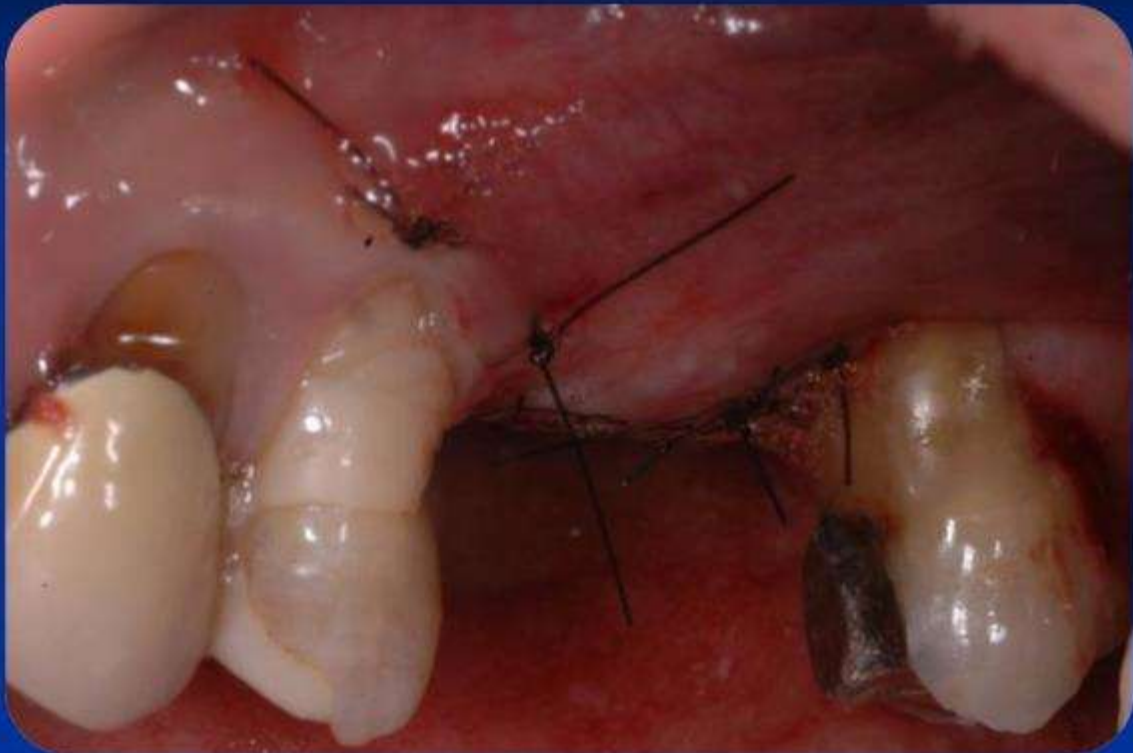
**CASE REPORT IK 40****CASE REPORT IK 40**

## ACTIVATION DE L'OS CORTICAL



## CASE REPORT **IK 40**

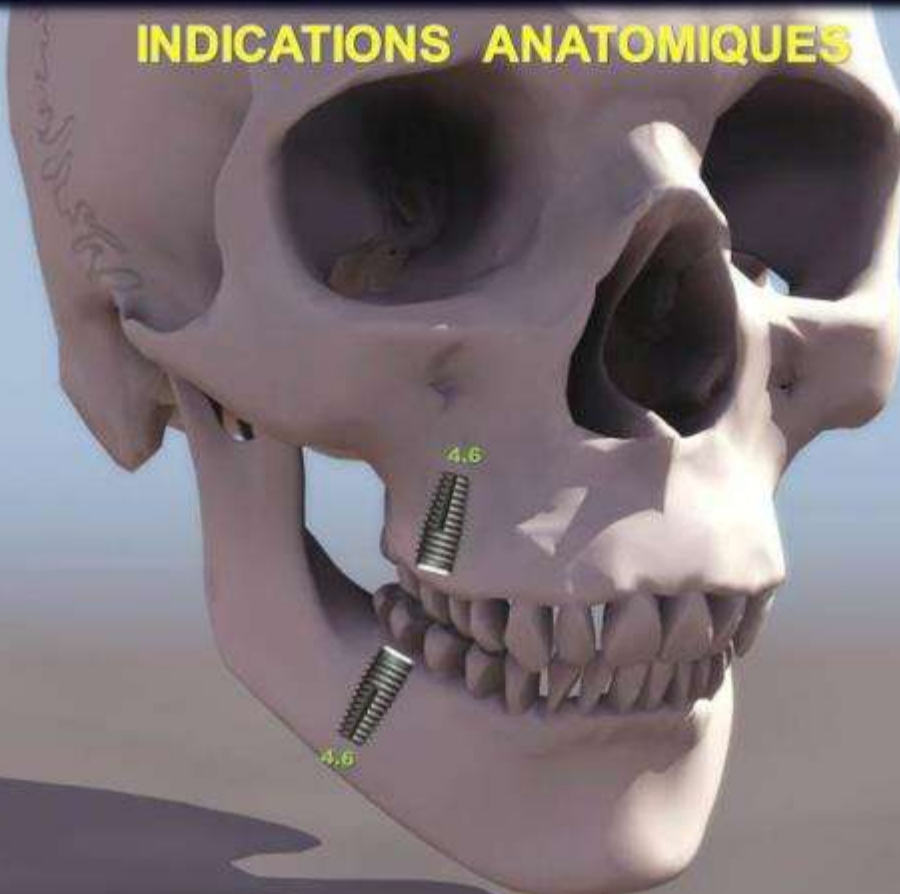


**CASE REPORT IK 40****CASE REPORT IK 40**

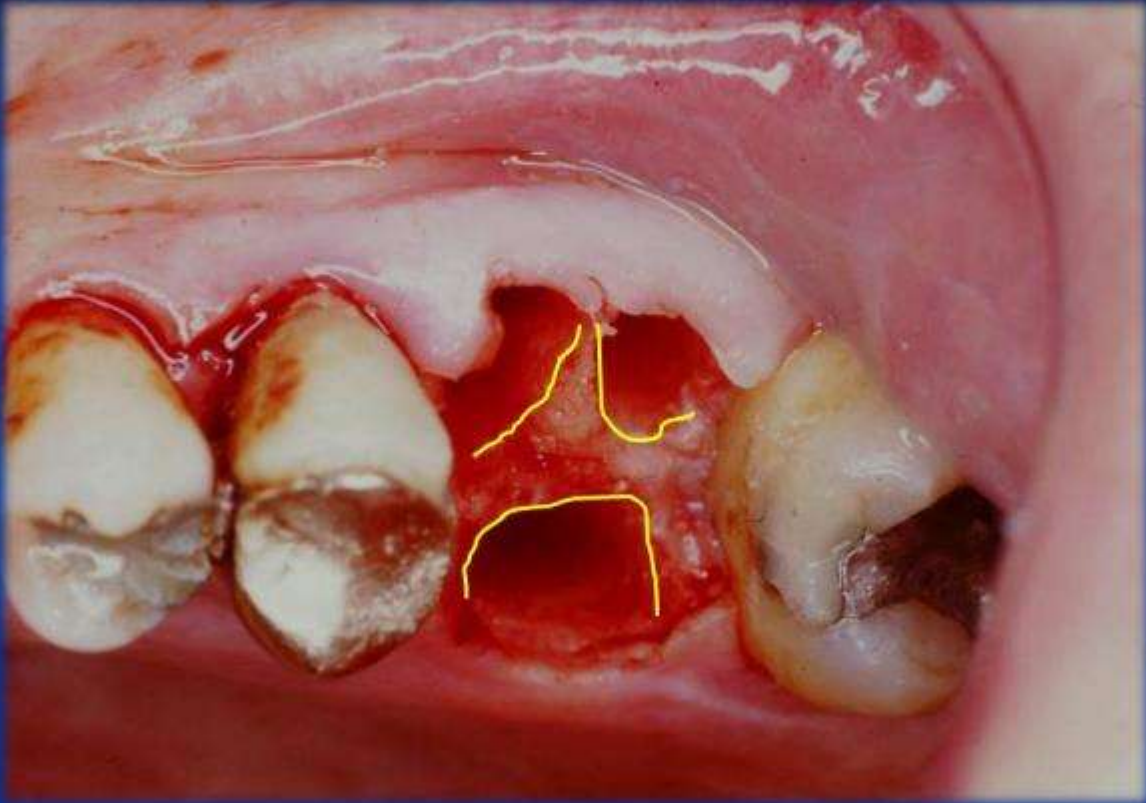
## CASE REPORT **IK 40**



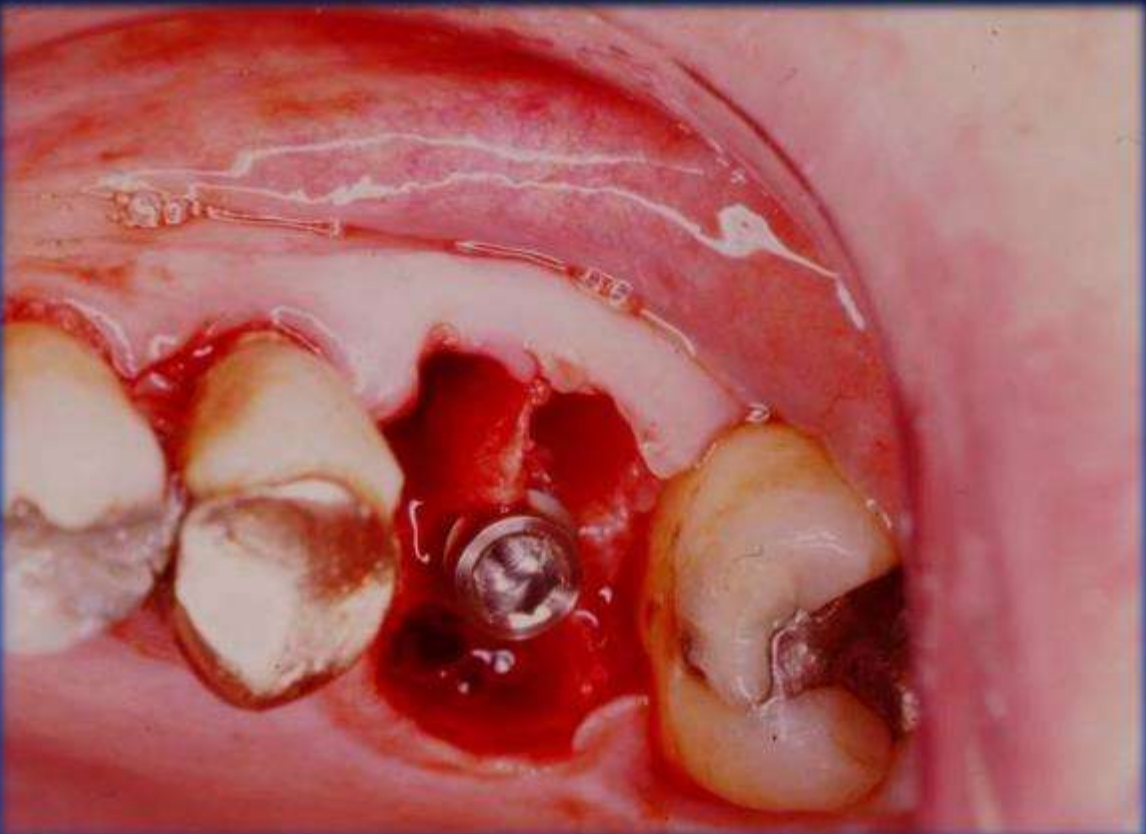
## INDICATIONS ANATOMIQUES



**CASE REPORT IK 46**  
**UTILISATION DU SEPTUM**



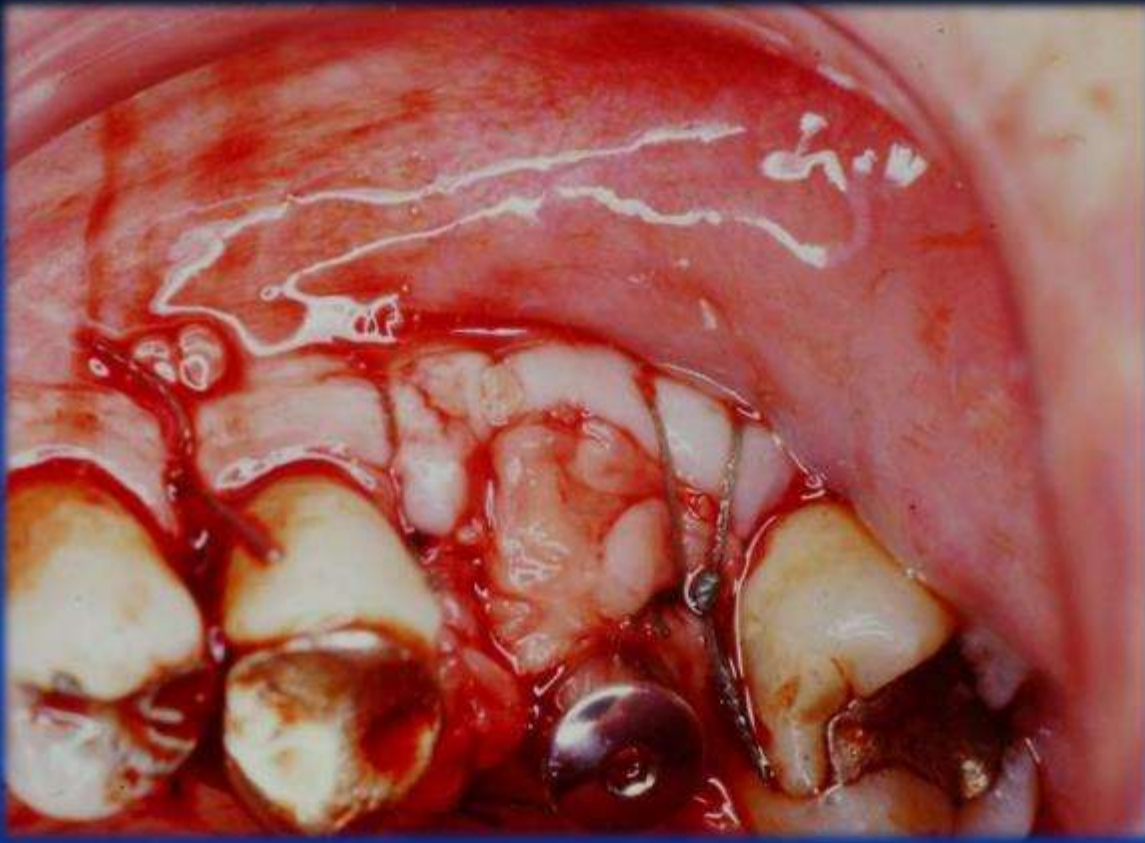
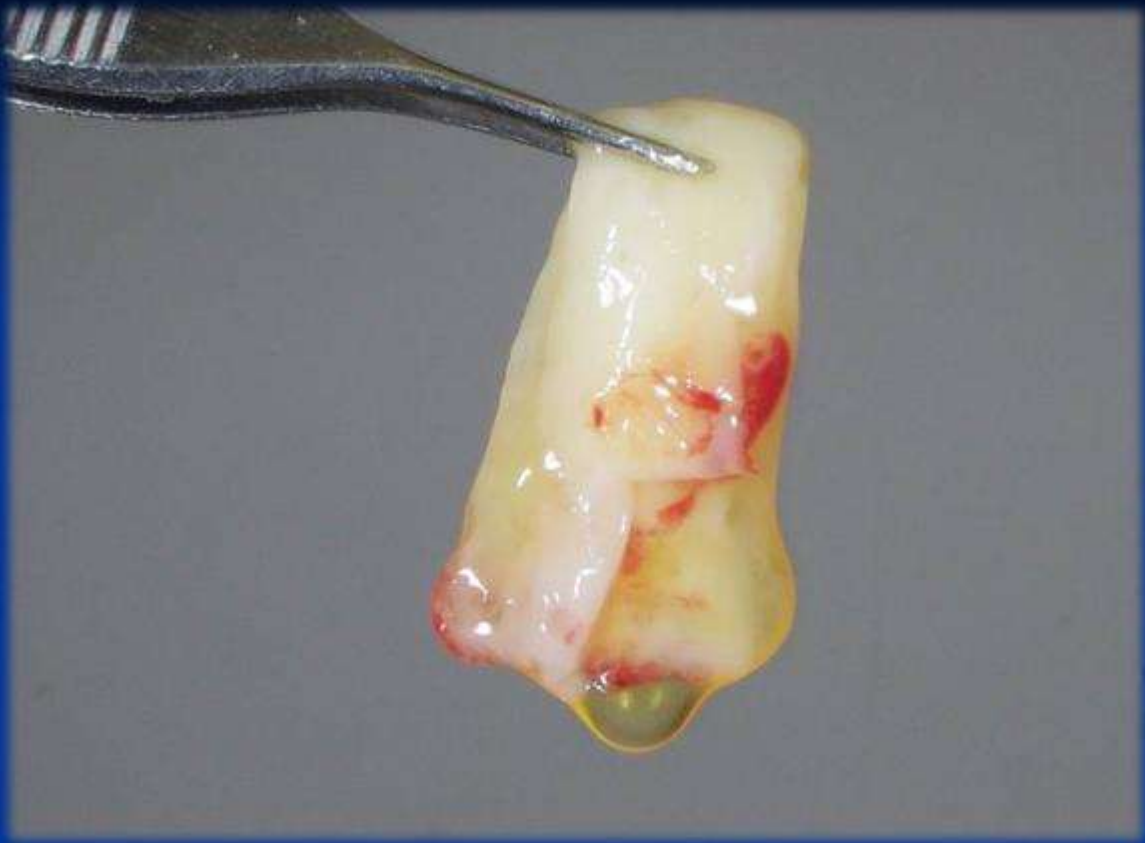
**CASE REPORT IK 46**

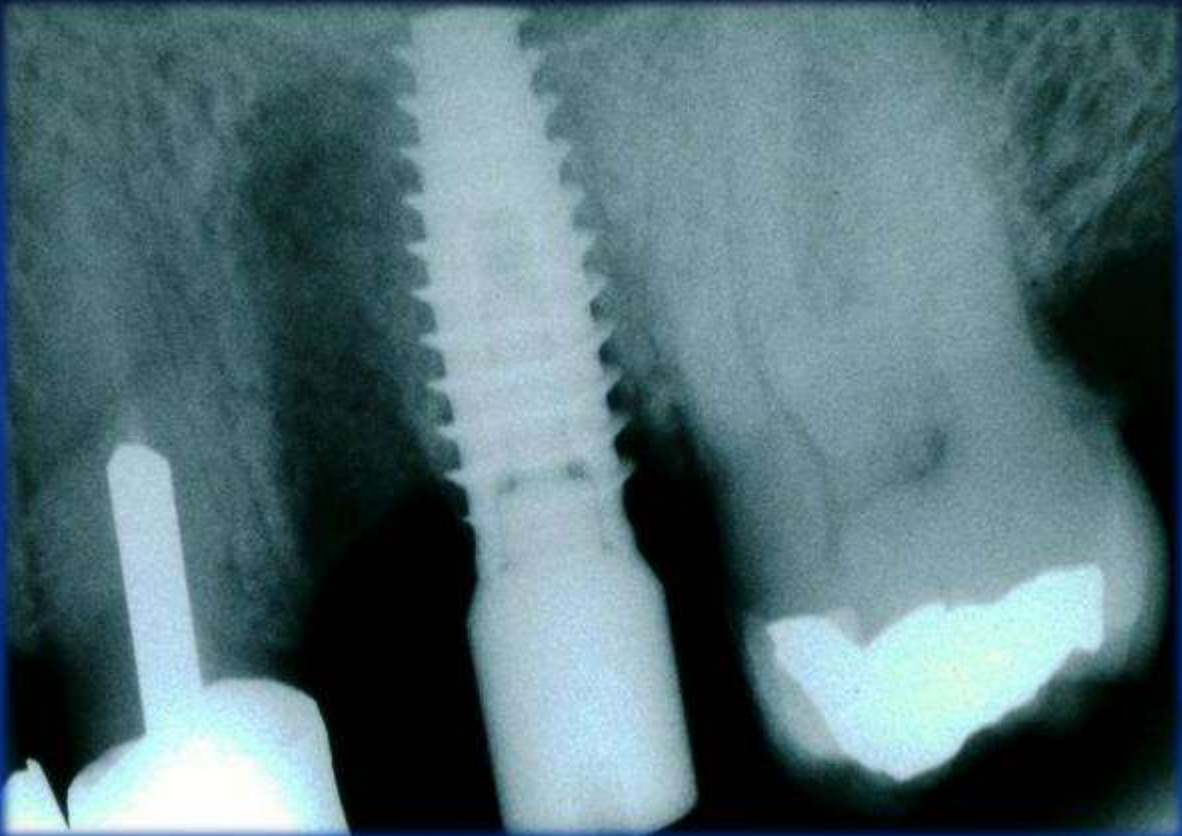


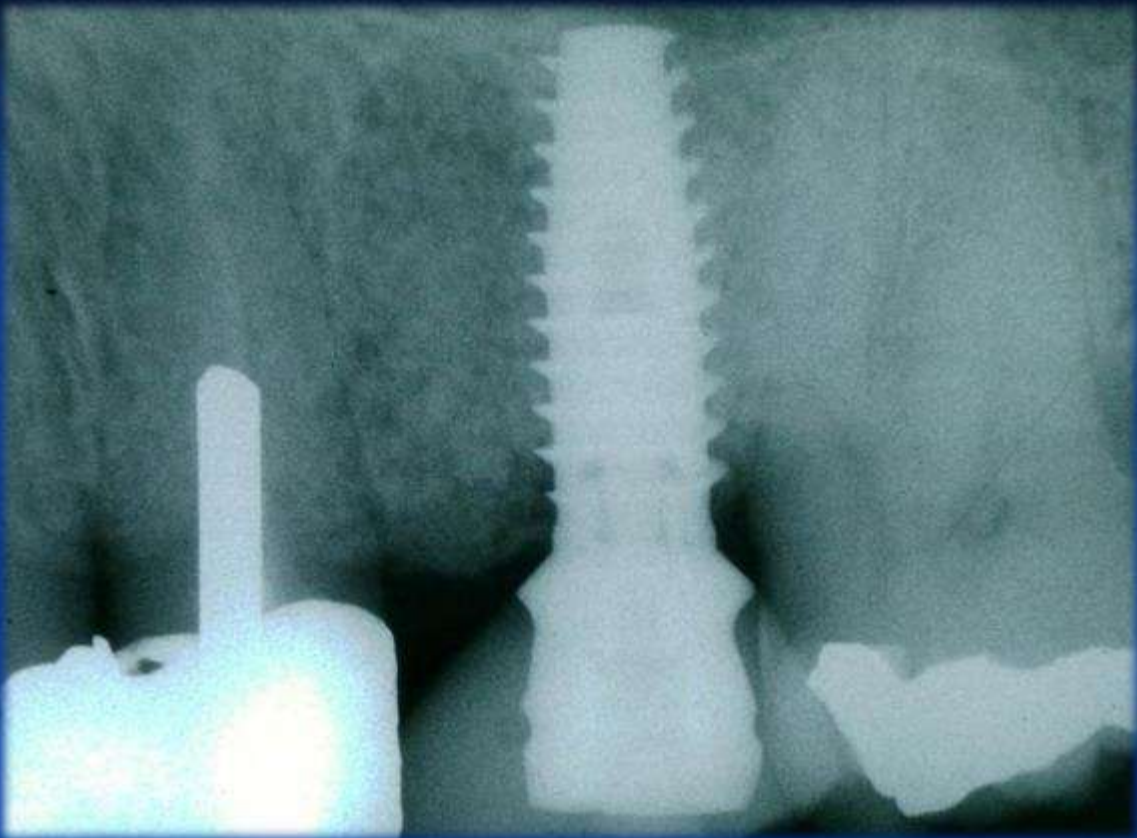
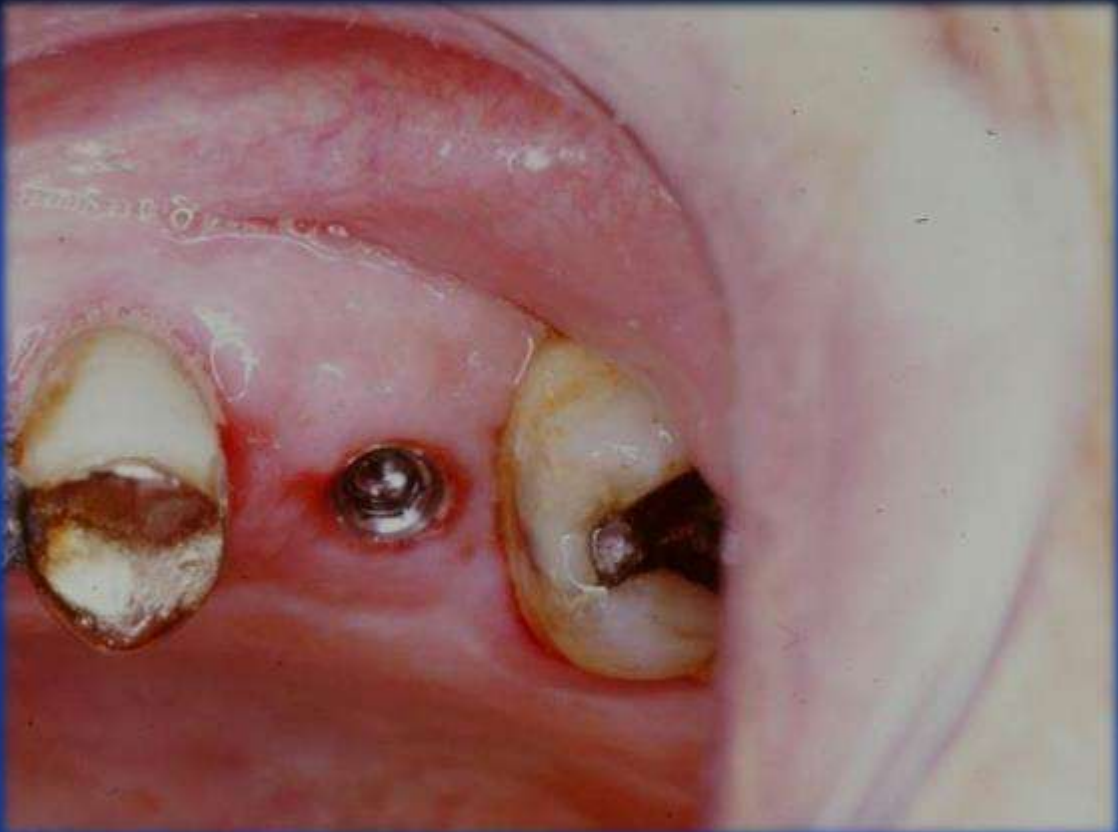


**ADBONE**  
+  
**PRGF**











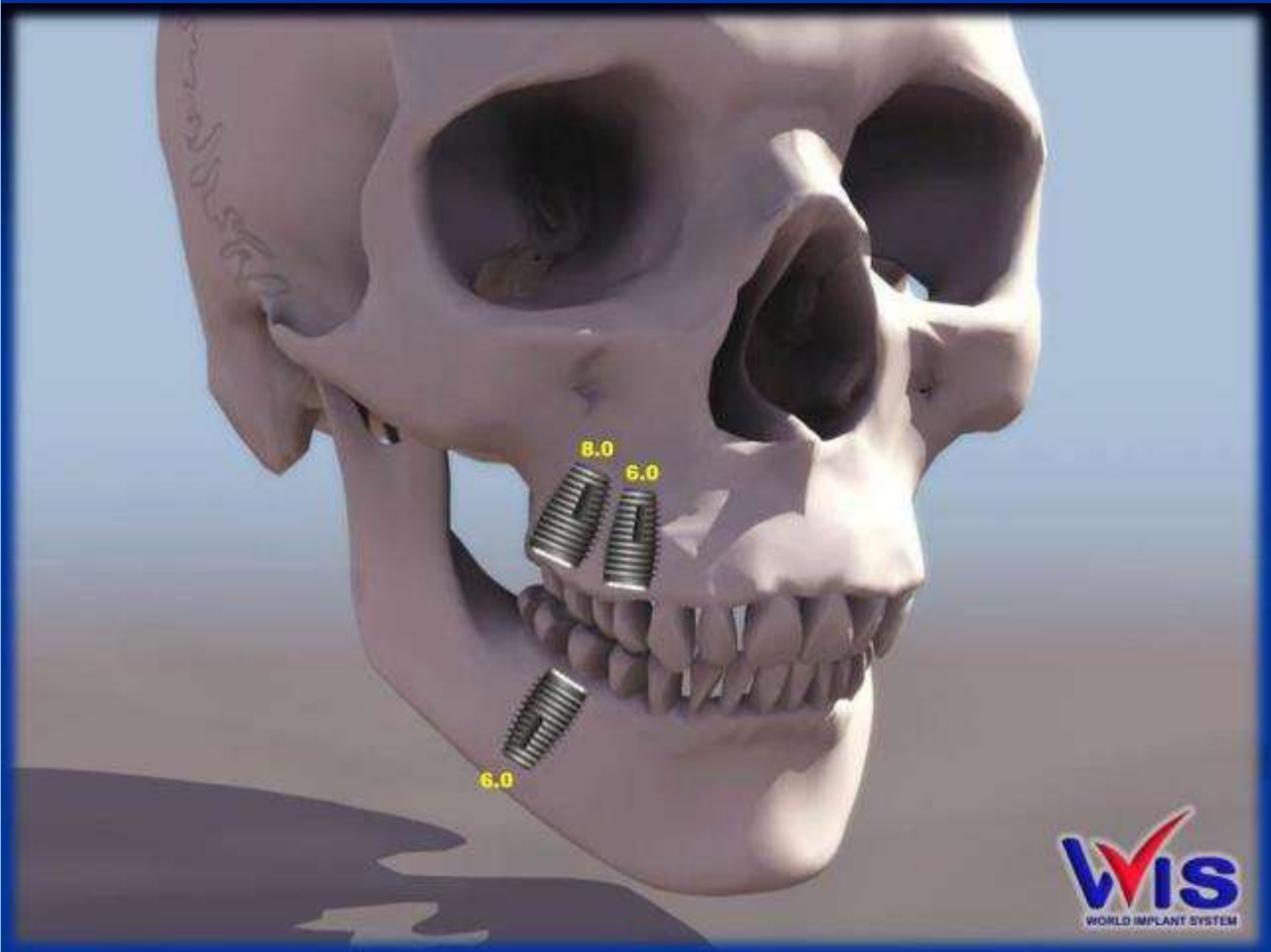
# INTERNAL HEXAGON K-LARGE

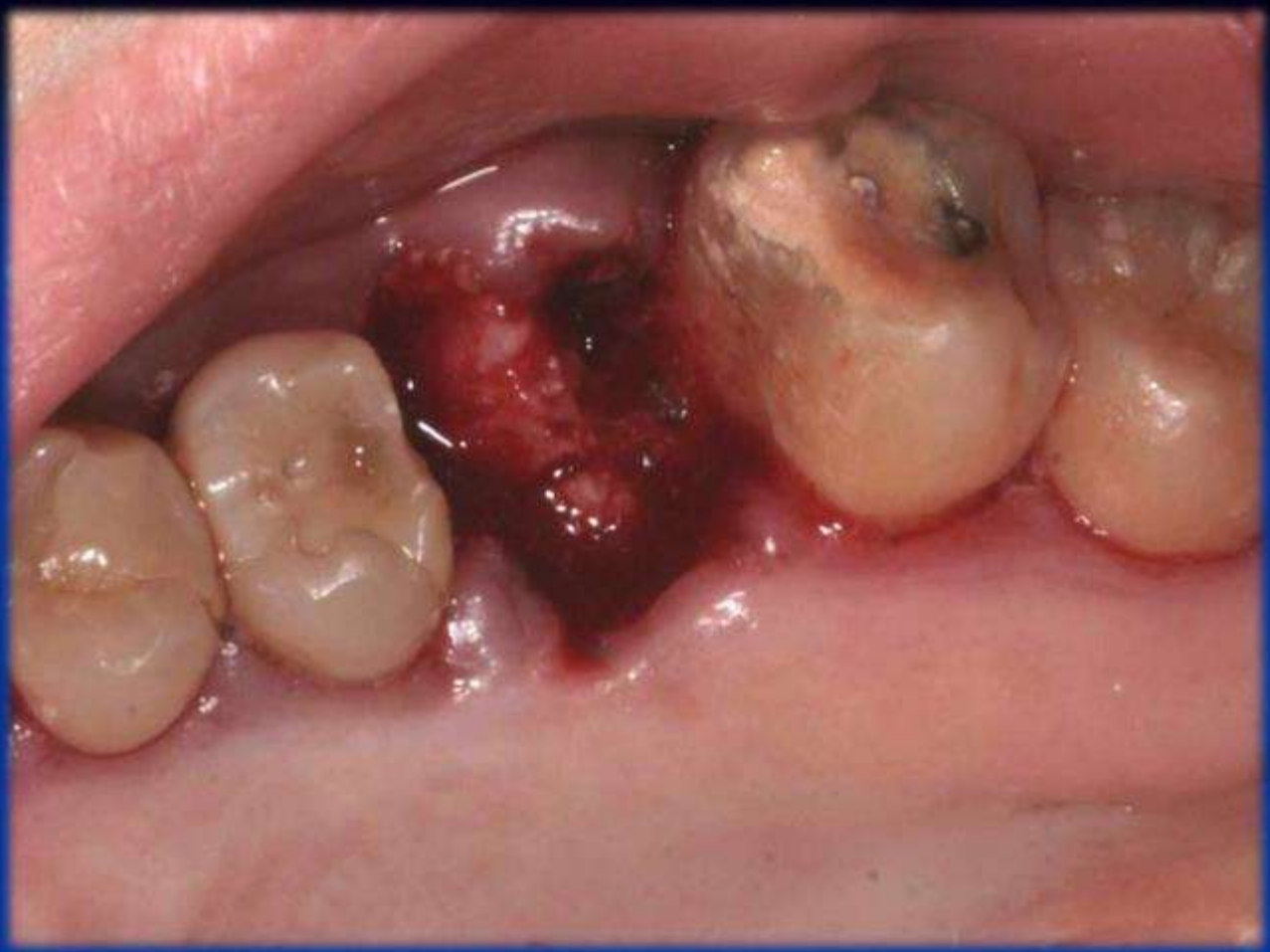


6.0

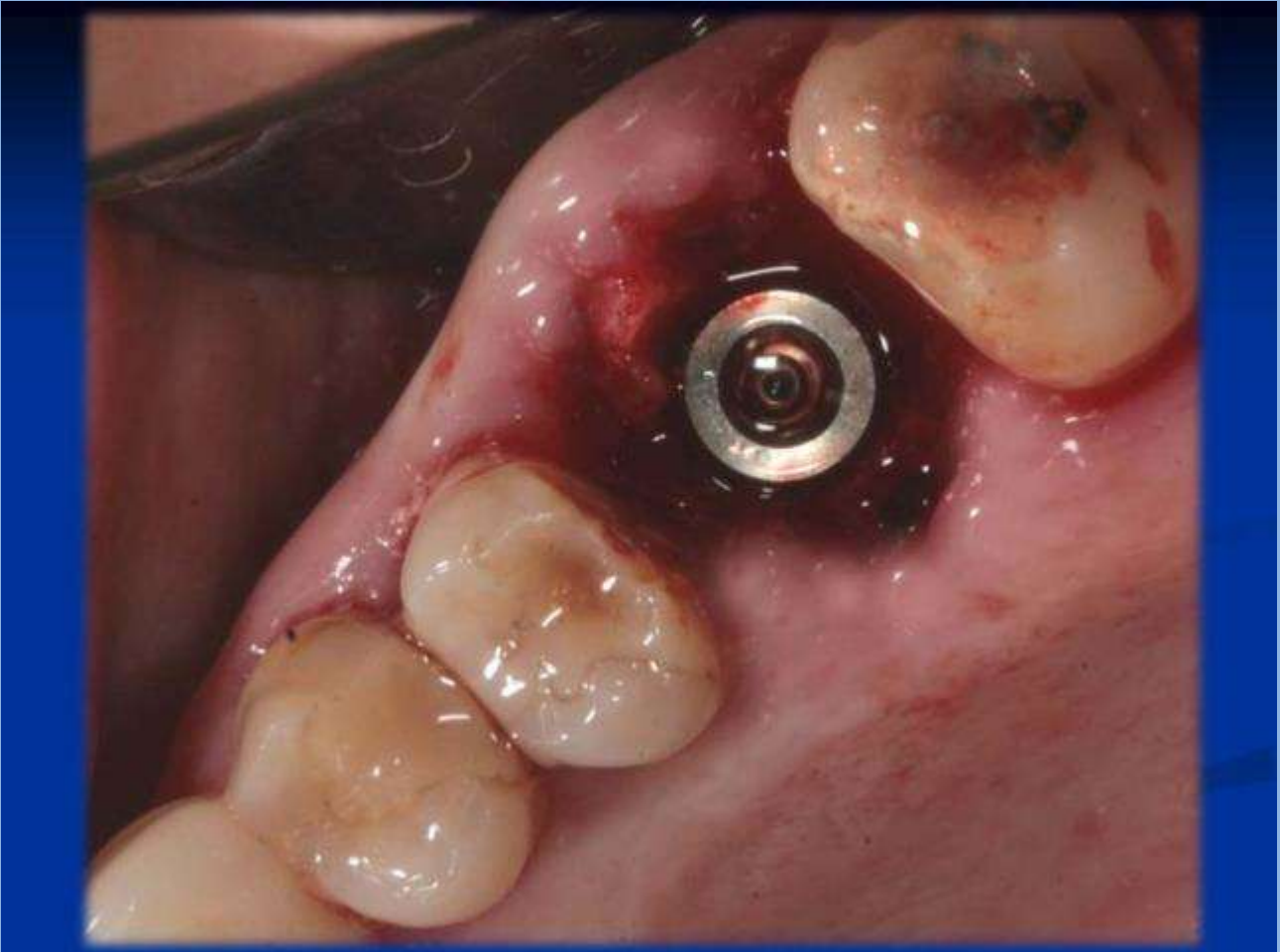


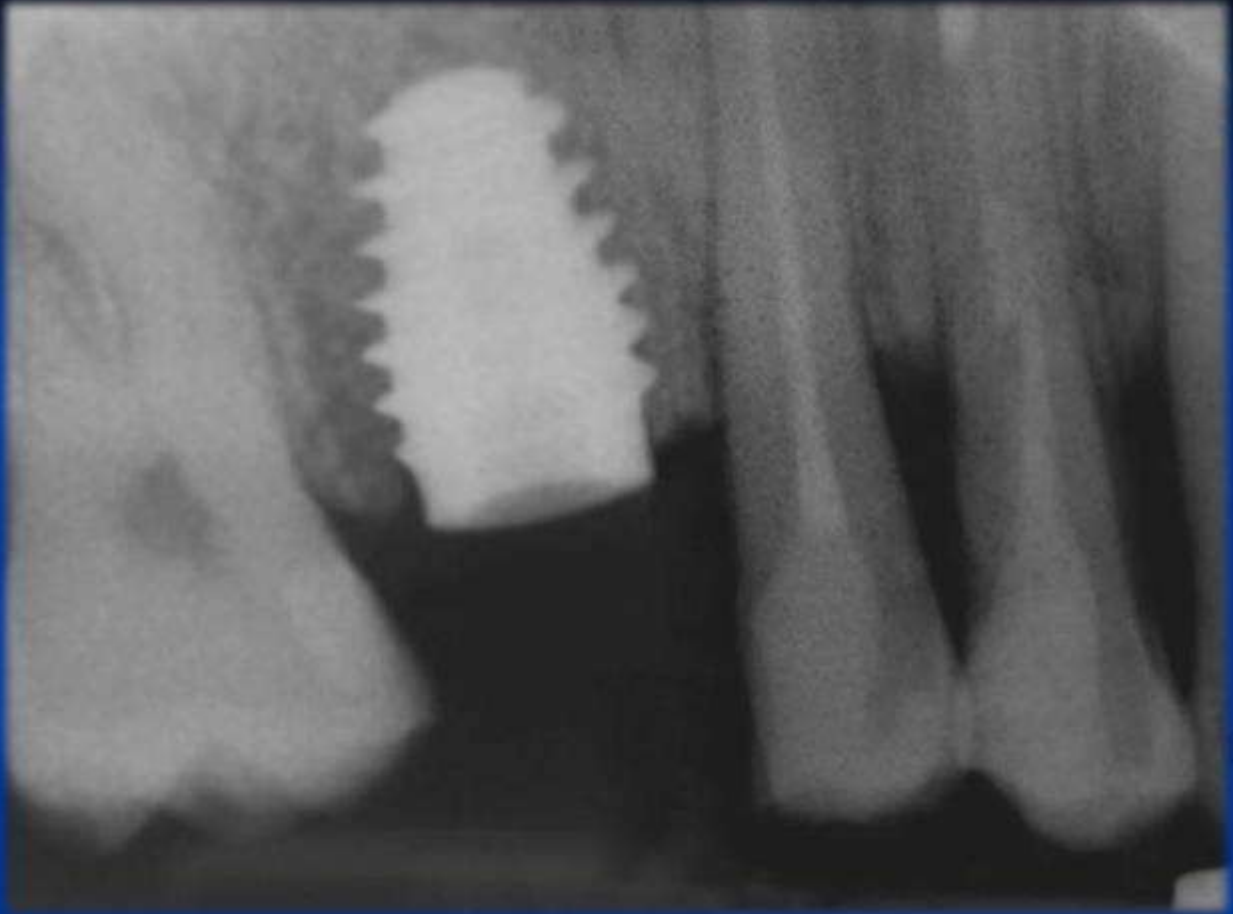
8.0



**CASE REPORT 6.0**



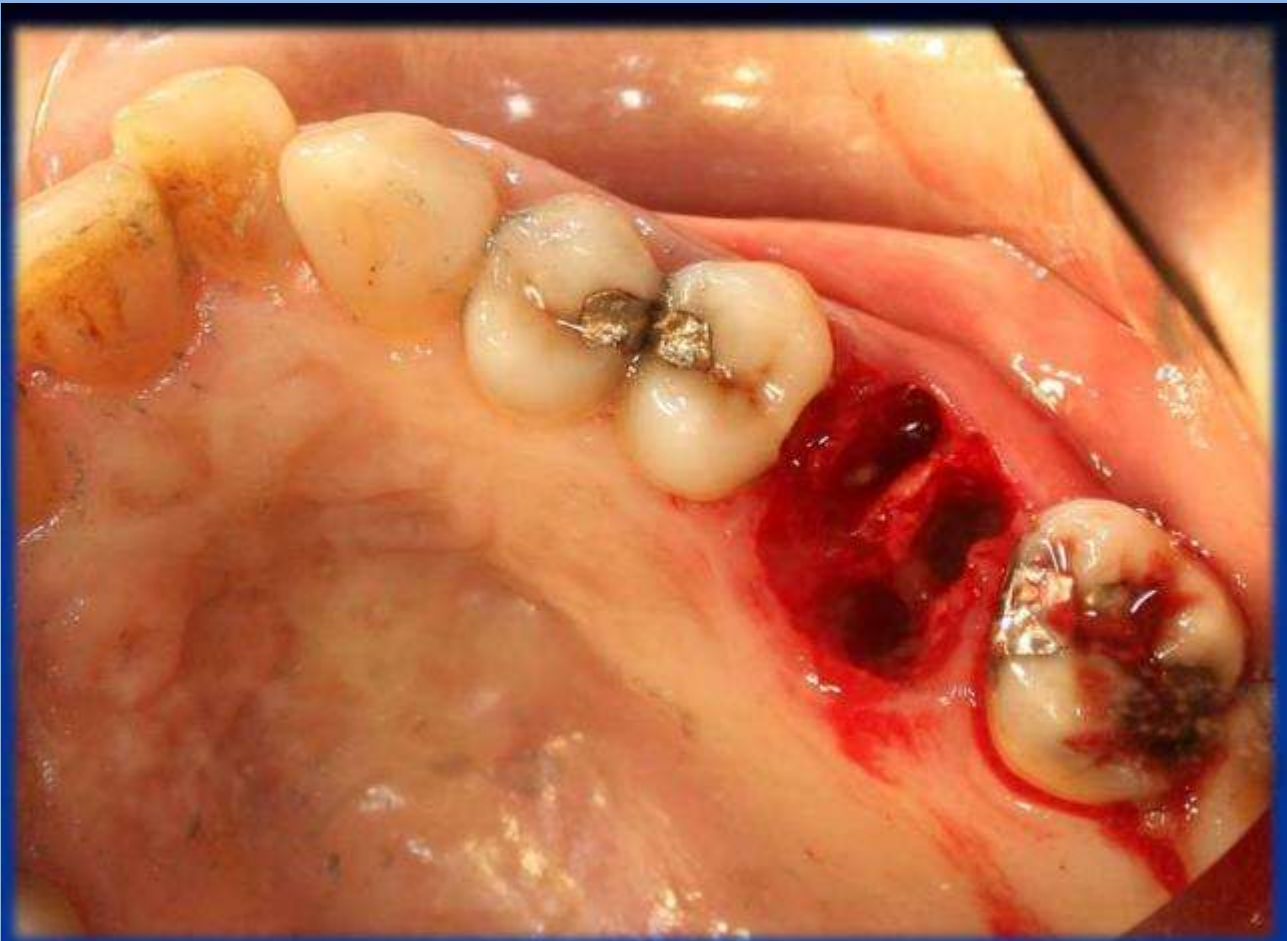




## CASE REPORT 8.0









## TRANSGINGIVAL MINI IMPLANT



2.7



2.7



2.7



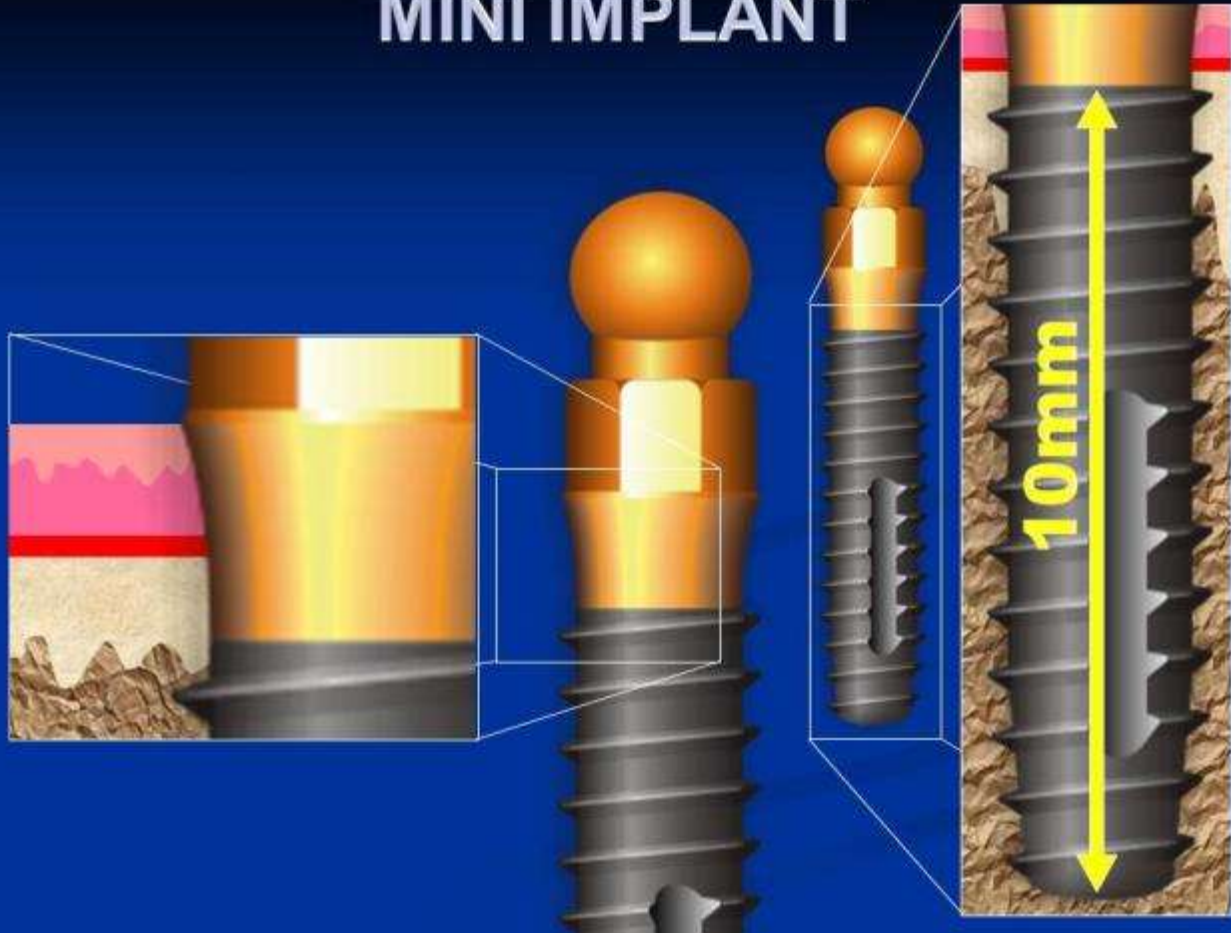
2.3



2.3



# MINI IMPLANT



# MINI IMPLANT

## BALL ABUTMENT FOR OVERDENTURE



Teflon Caps  
1000gr - 750gr  
600gr - 500gr



Metal Housing



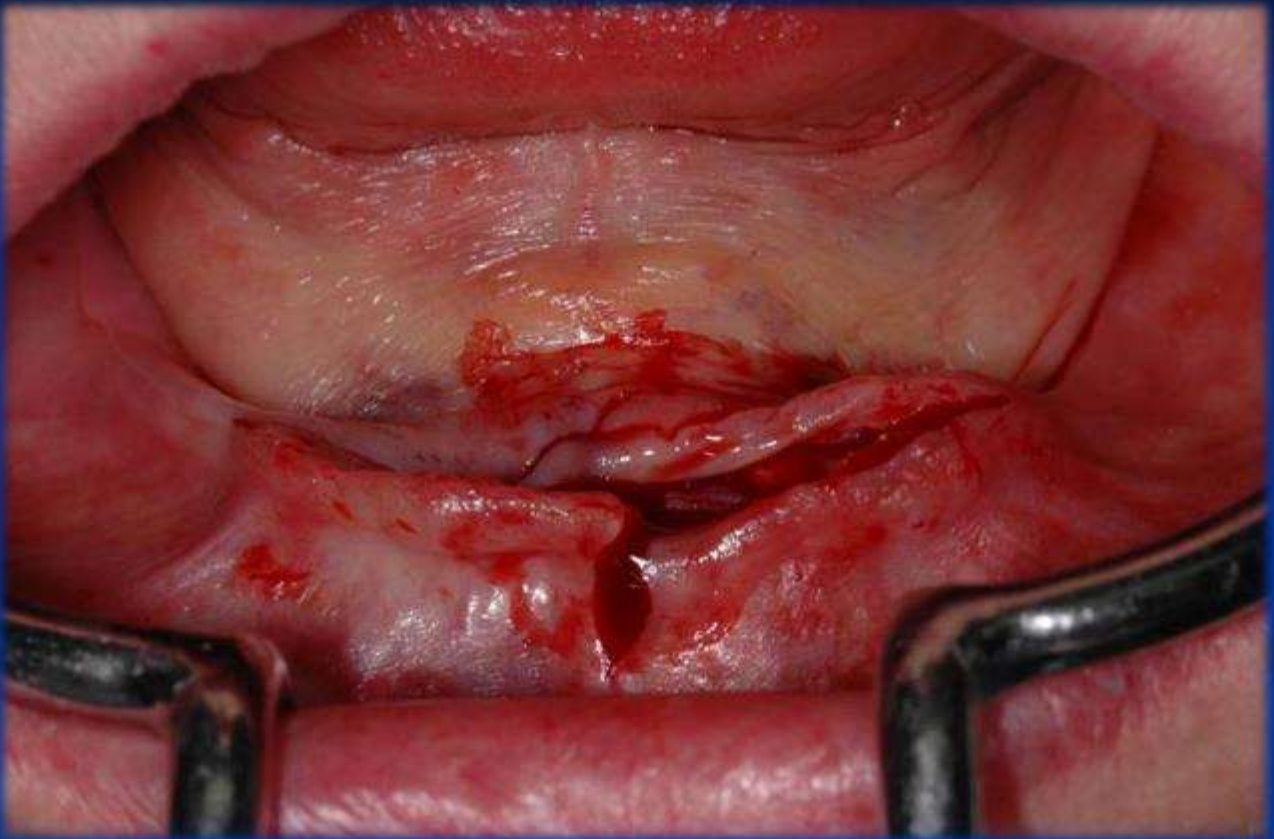
# CASE REPORT

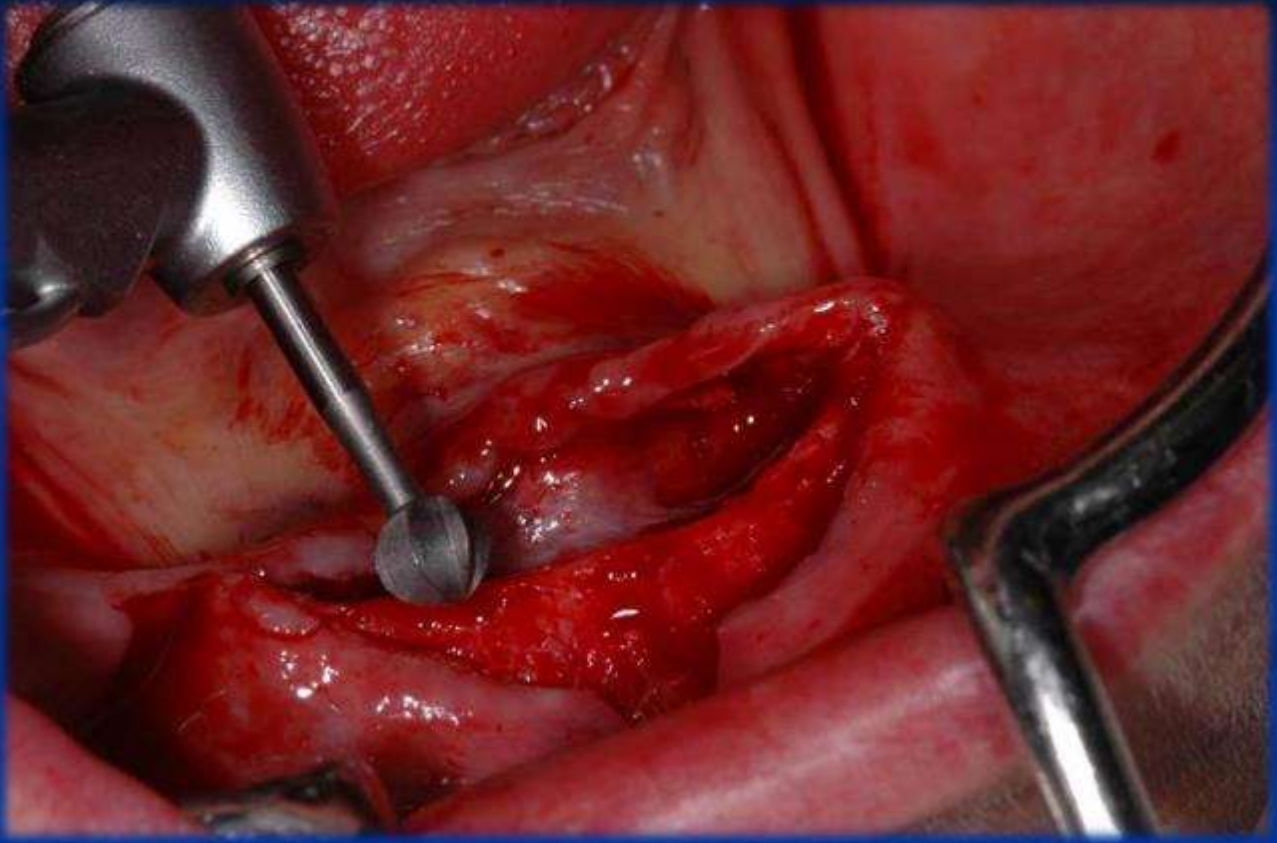
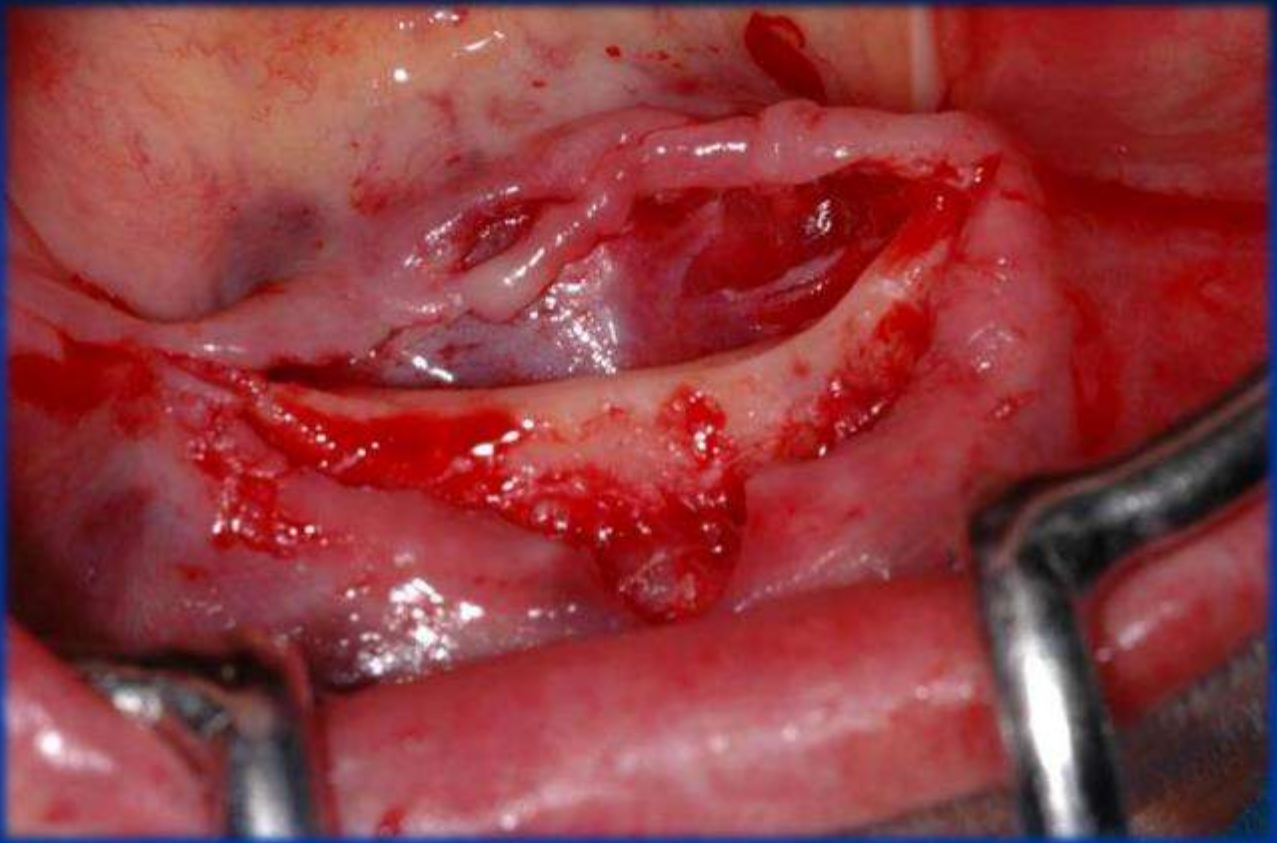


## INITIAL MANDIBULAR SITUATION

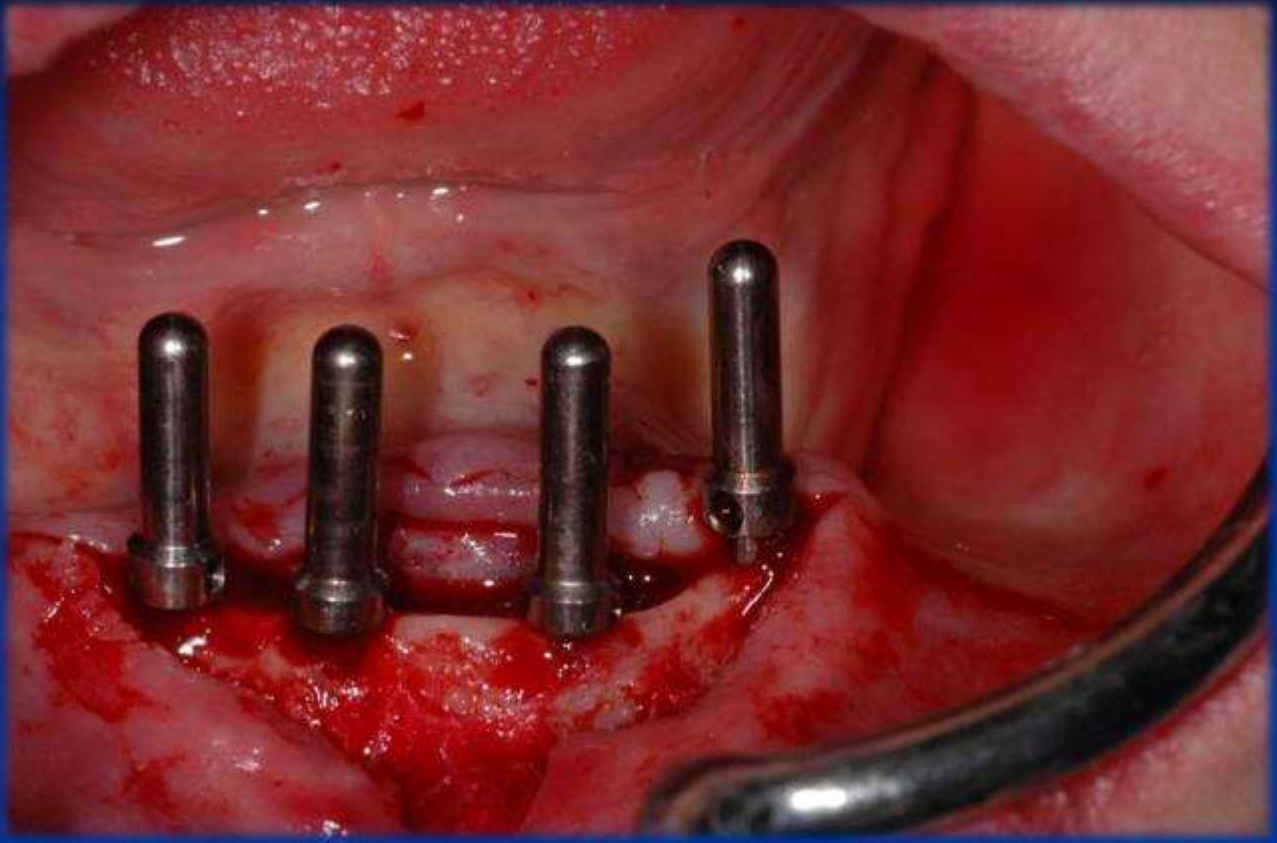


## CRESTAL AND VERTICAL INCISION

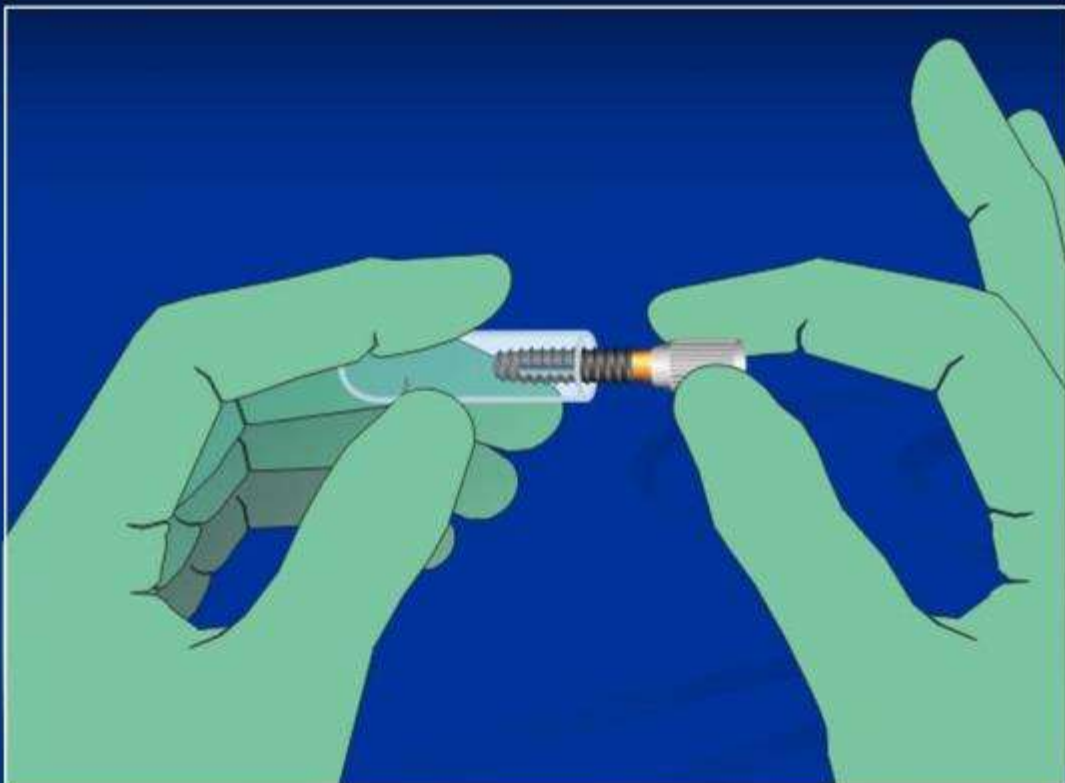


**OSSEO PLASTIC****RESHAPED BONE**

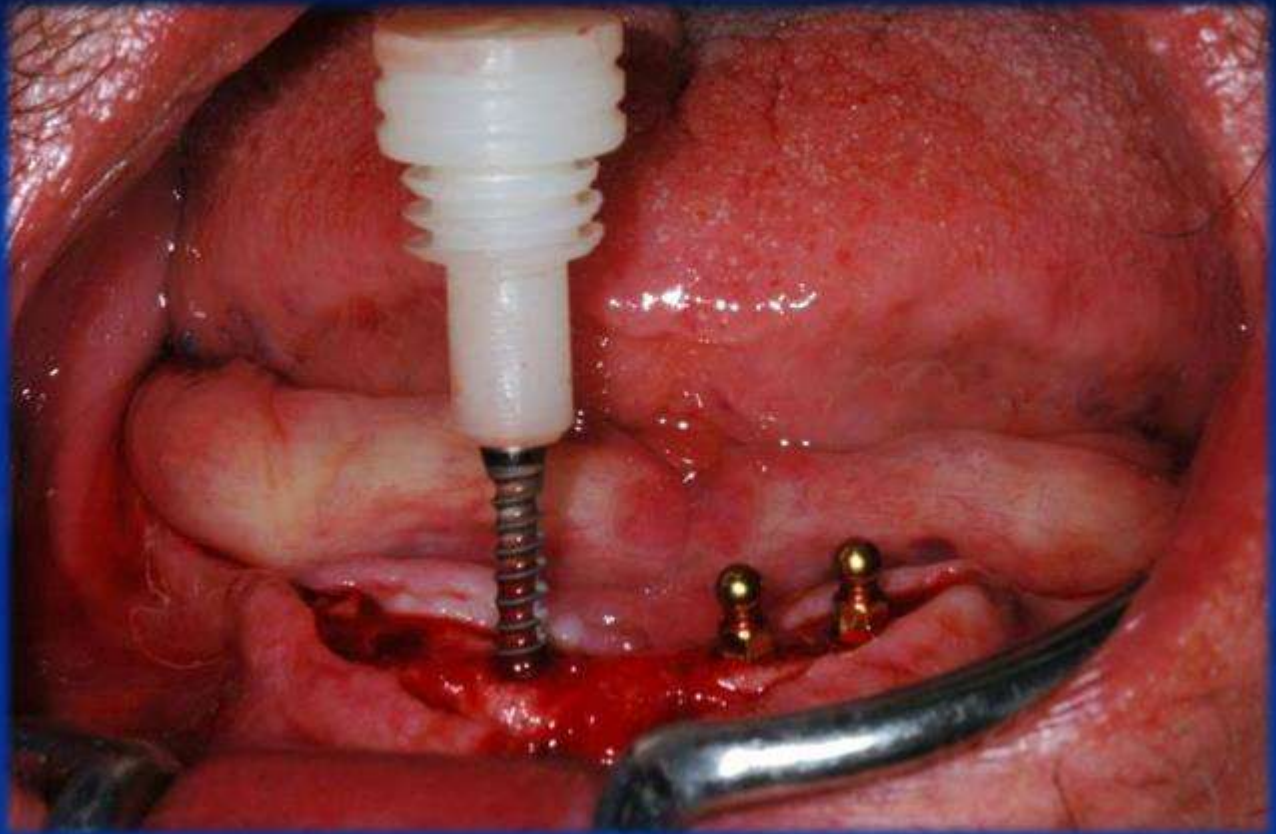
# PARALLEL PINS



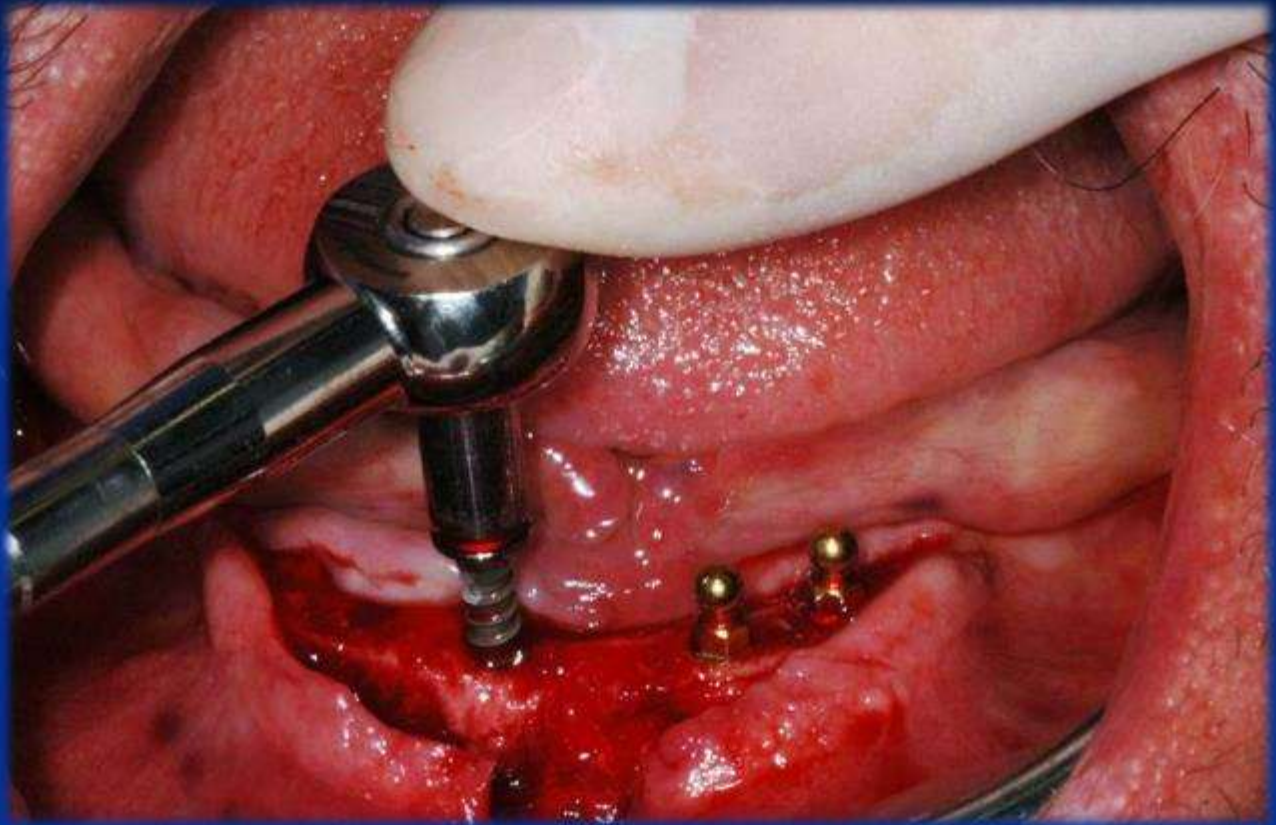
# MANUAL PICK UP

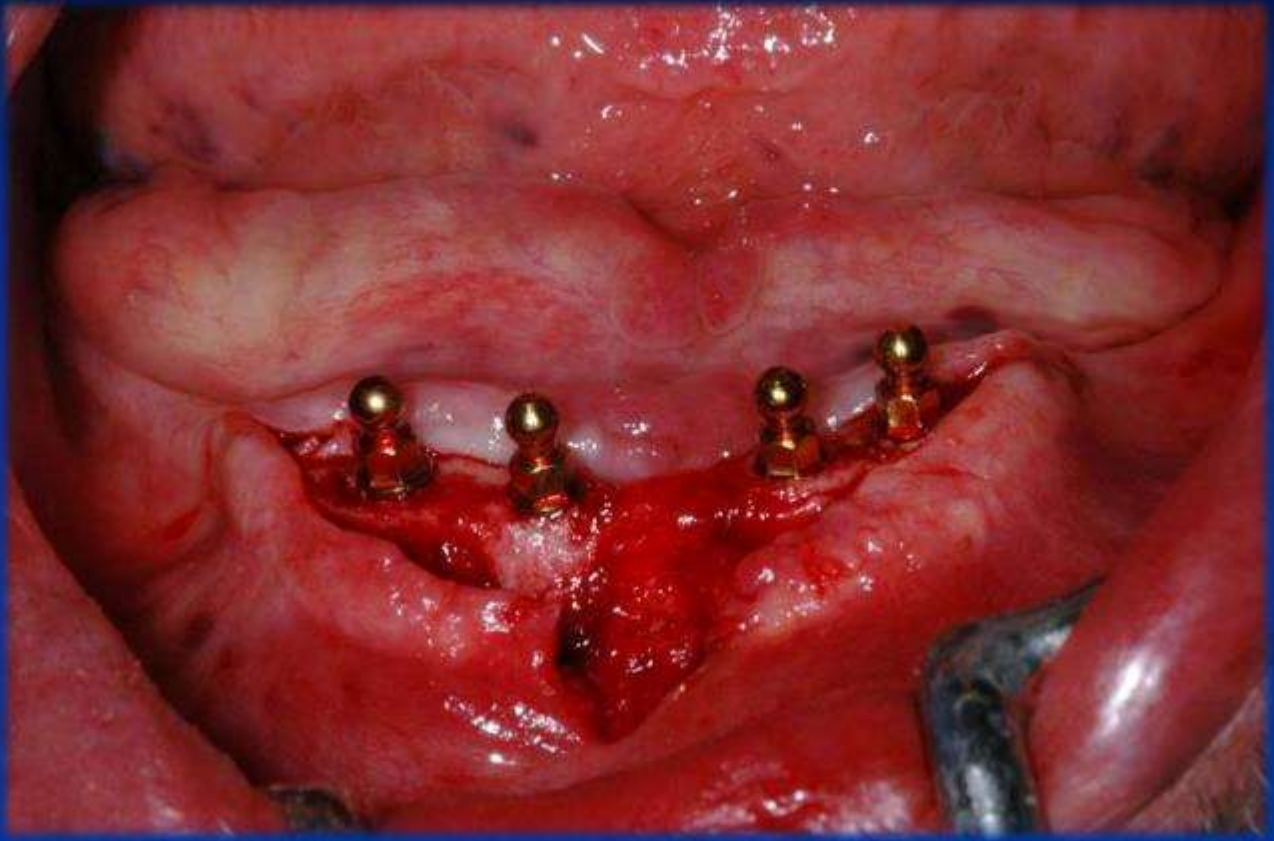
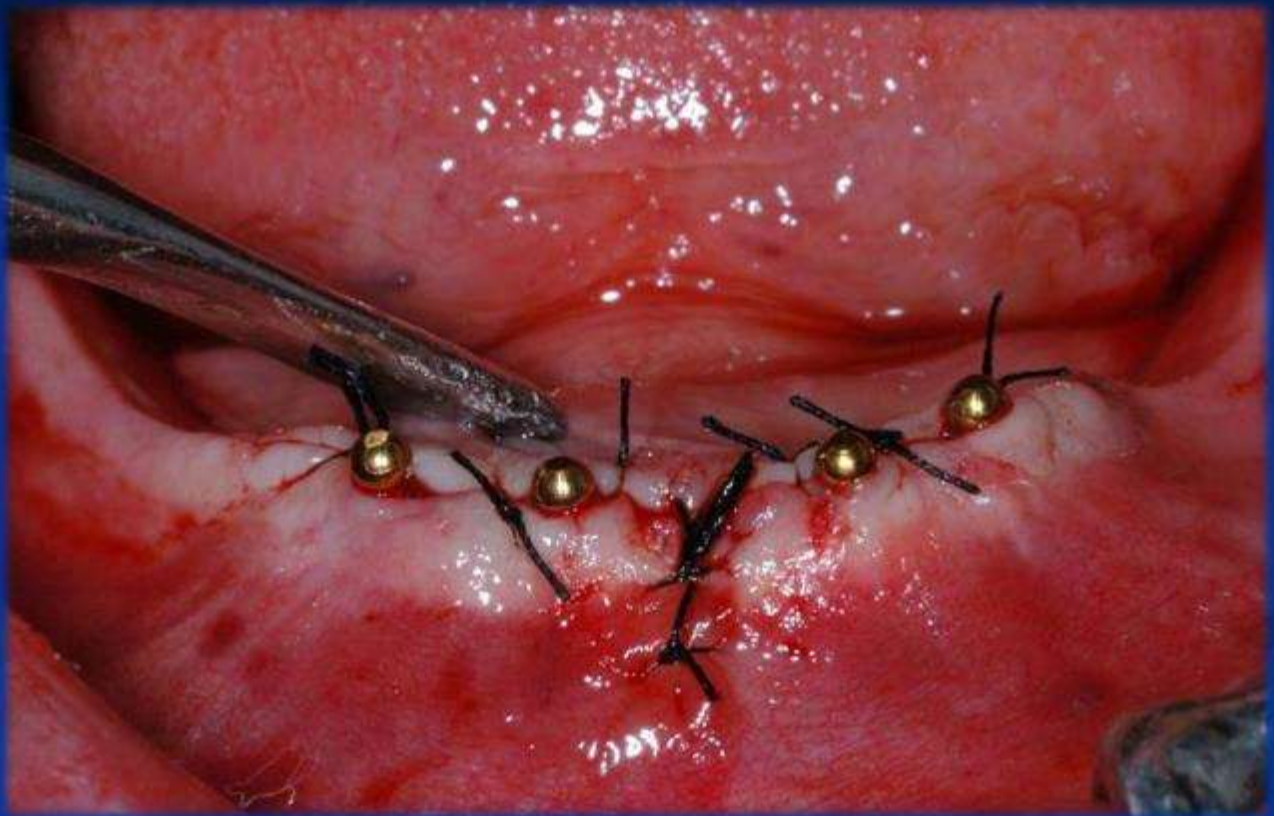


## FINGER RATCHET INSERTION



## RATCHET FOR FINAL IMPLANT INSERTION



**MINI IMPLANT NECK AT BONE LEVEL****SUTURE**

# FINAL HEALING



# X-RAY CONTROL



## TEFLON RESINATI NELLA PROTESI



## CONTROLLO OCCLUSIONE



## ESTETICA E LINEA DEL SORRISO



## IL MOUNT COME TRANSFER



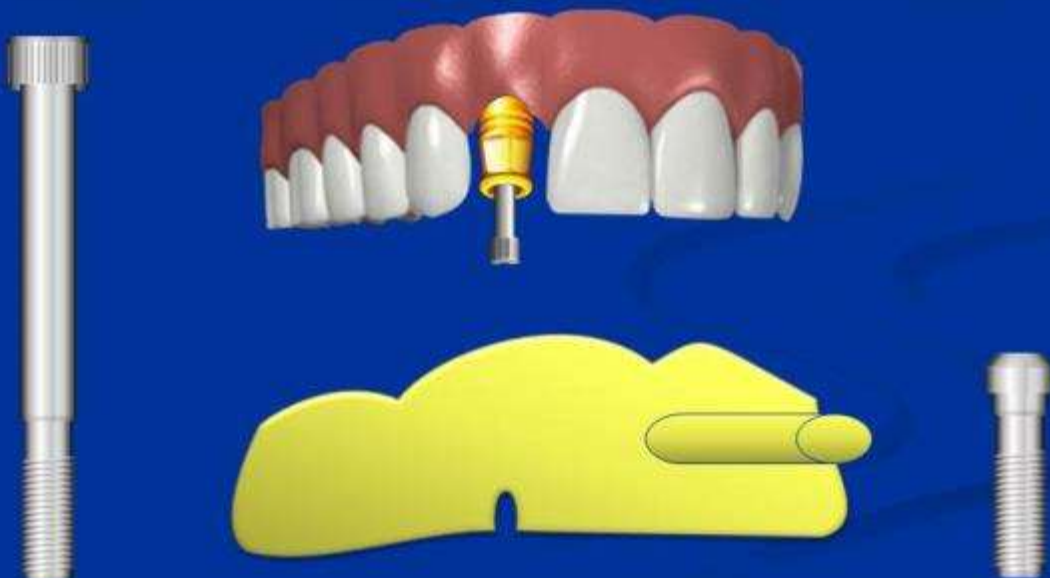
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **PICK-UP** oppure **OPEN-TRAY**



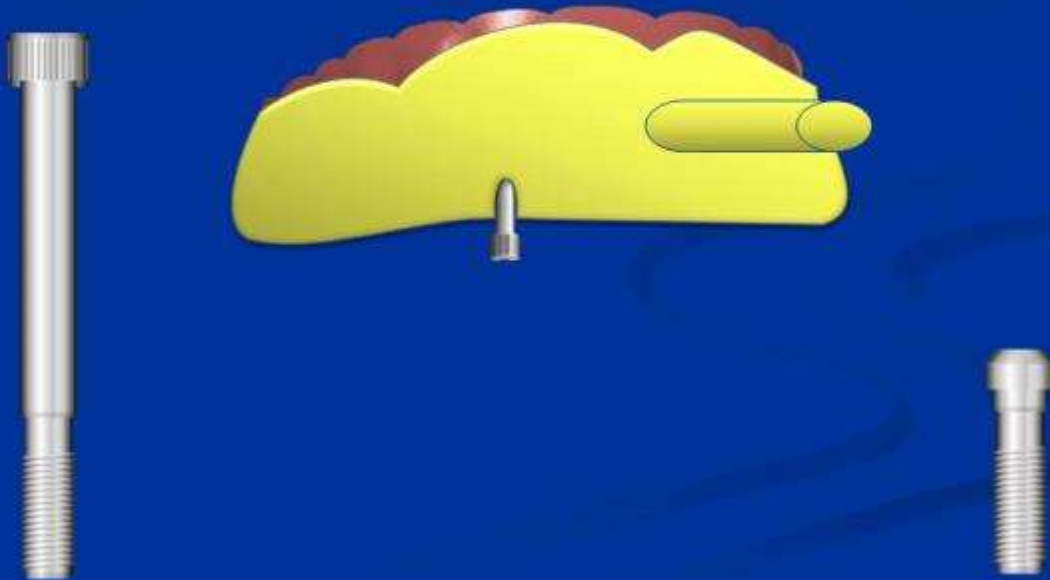
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **PICK-UP** oppure **OPEN-TRAY**



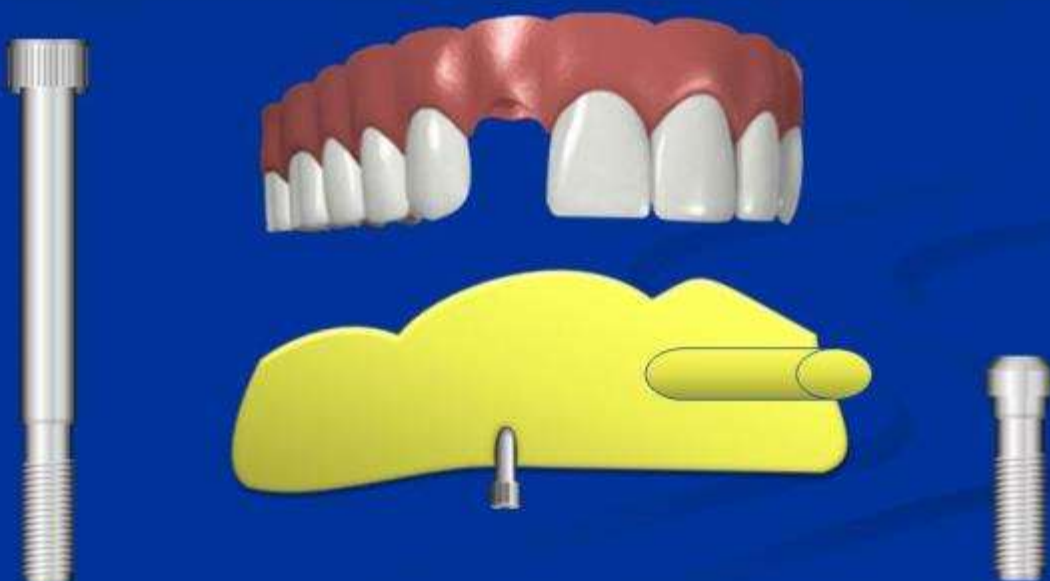
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **PICK-UP** oppure **OPEN-TRAY**



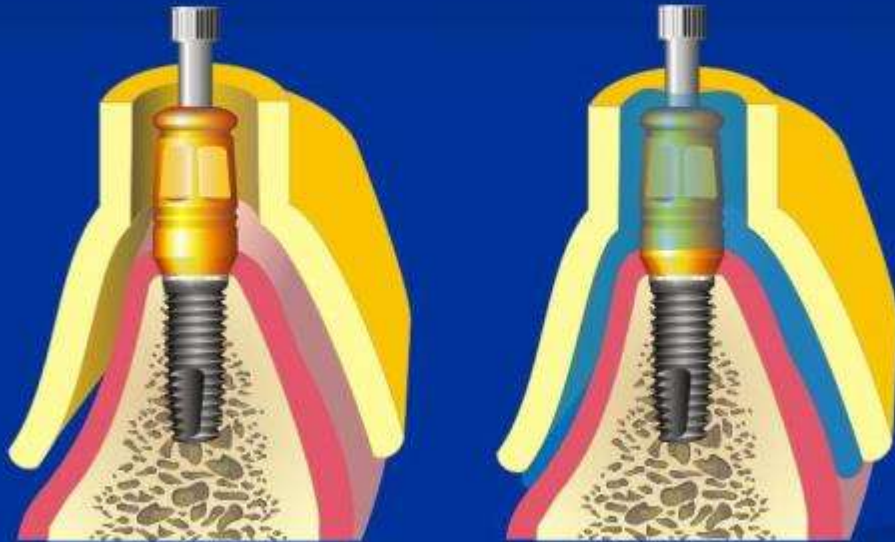
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **PICK-UP** oppure **OPEN-TRAY**



## TRASFERIMENTO DELL' IMPRONTA

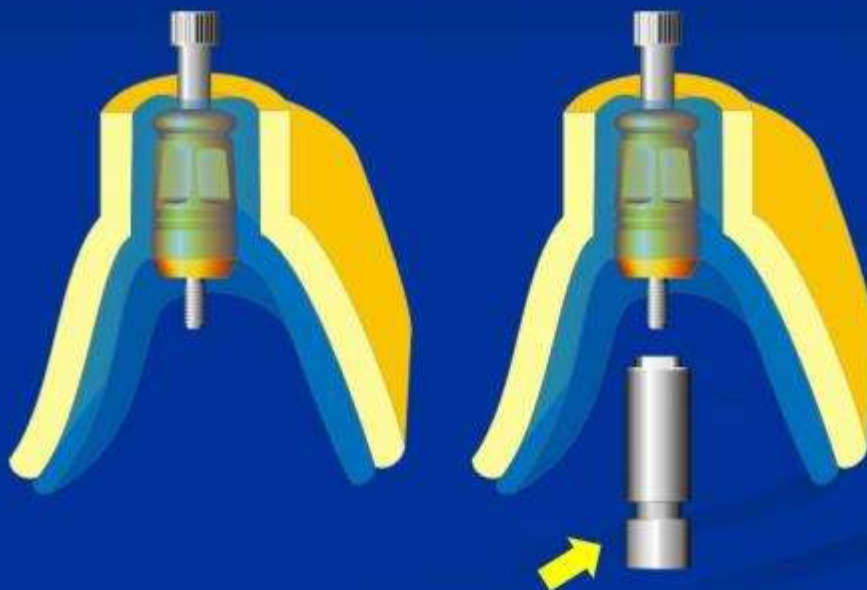
TECNICA **PICK-UP** oppure **OPEN-TRAY**



1

## TRASFERIMENTO DELL' IMPRONTA

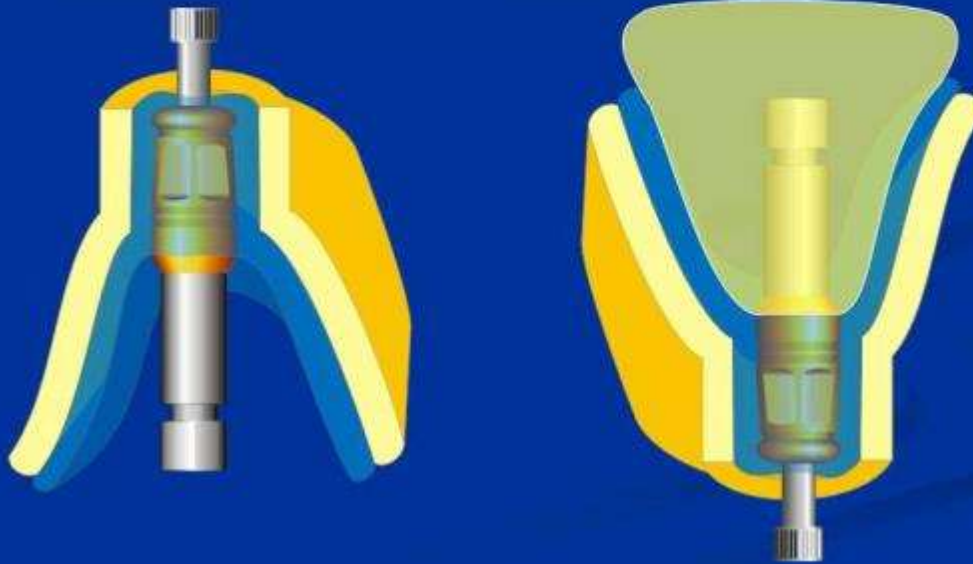
TECNICA **PICK-UP** oppure **OPEN-TRAY**



2

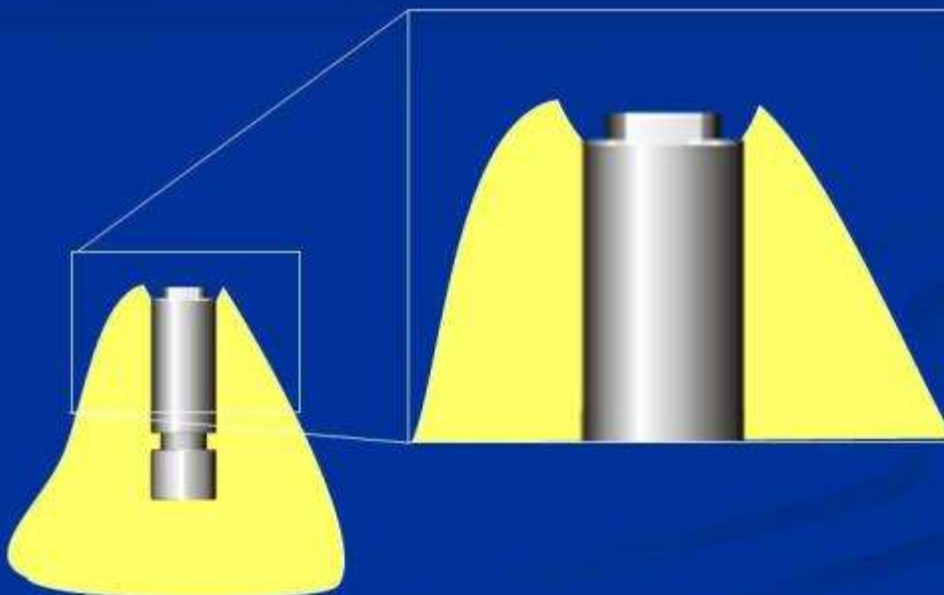
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **PICK-UP** oppure **OPEN-TRAY**



## TRASFERIMENTO DELL' IMPRONTA

TECNICA **PICK-UP** oppure **OPEN-TRAY**



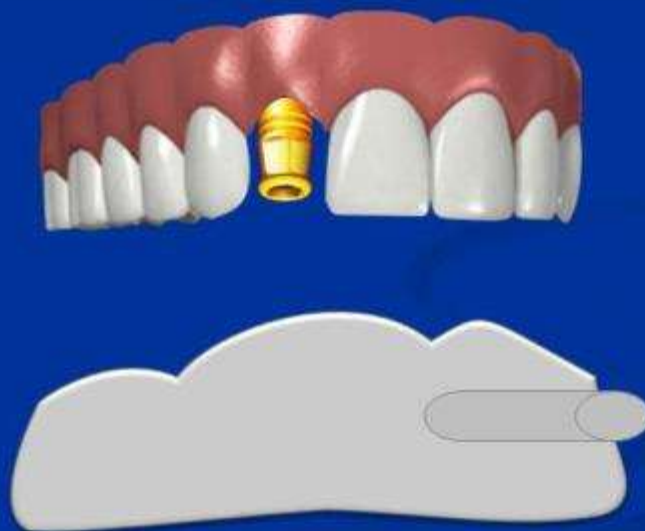
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **STRAPPO** oppure **CLOSED-TRAY**



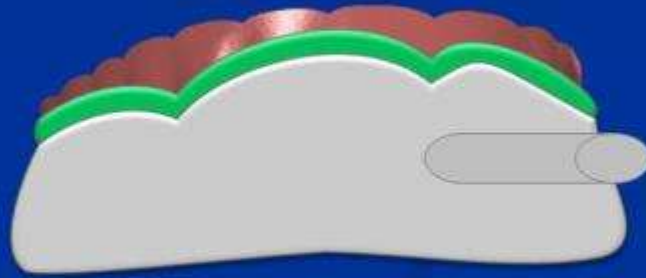
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **STRAPPO** oppure **CLOSED-TRAY**



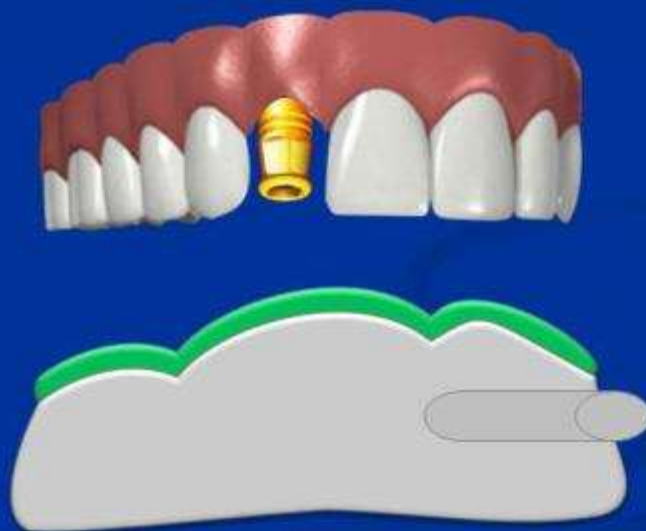
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **STRAPPO** oppure **CLOSED-TRAY**



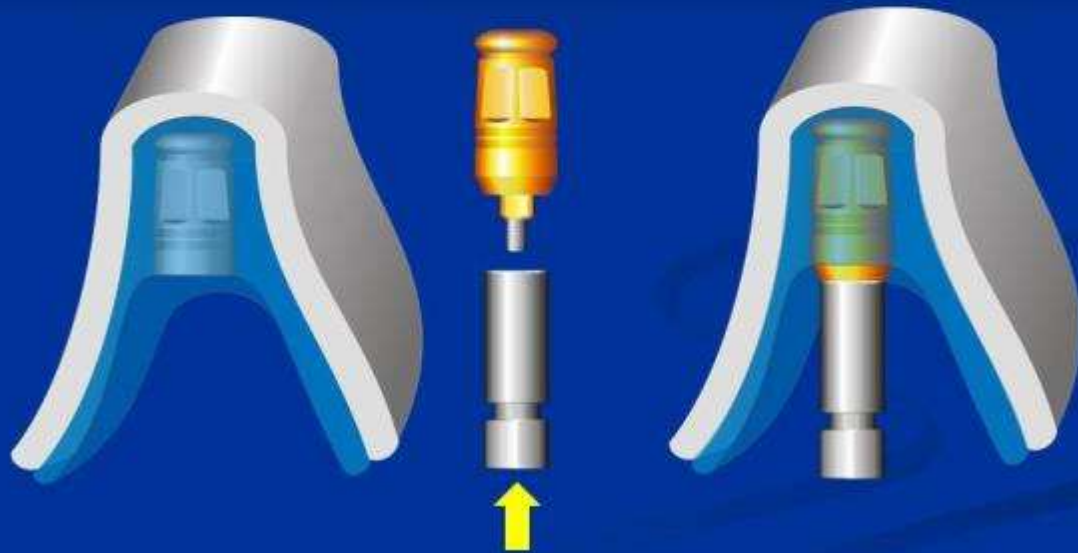
## TRASFERIMENTO DELL' IMPRONTA

TECNICA **STRAPPO** oppure **CLOSED-TRAY**



## TRASFERIMENTO DELL' IMPRONTA

TECNICA **STRAPPO** oppure **CLOSED-TRAY**



**IMPRONTA DI PRECISIONE  
CON CAPPE IN DURALAY**



## IMPRONTA DI PRECISIONE CON CAPPE IN DURALAY



## IMPRONTA DI PRECISIONE CON CAPPE IN DURALAY



**MODELLO CON ANALOGHI E MONCONI****MODELLO CON ANALOGHI E MONCONI**

**PROVA DELLA STRUTTURA METALLICA****PROVA DELLA STRUTTURA METALLICA**

## RIVESTIMENTO ESTETICO DELLA STRUTTURA

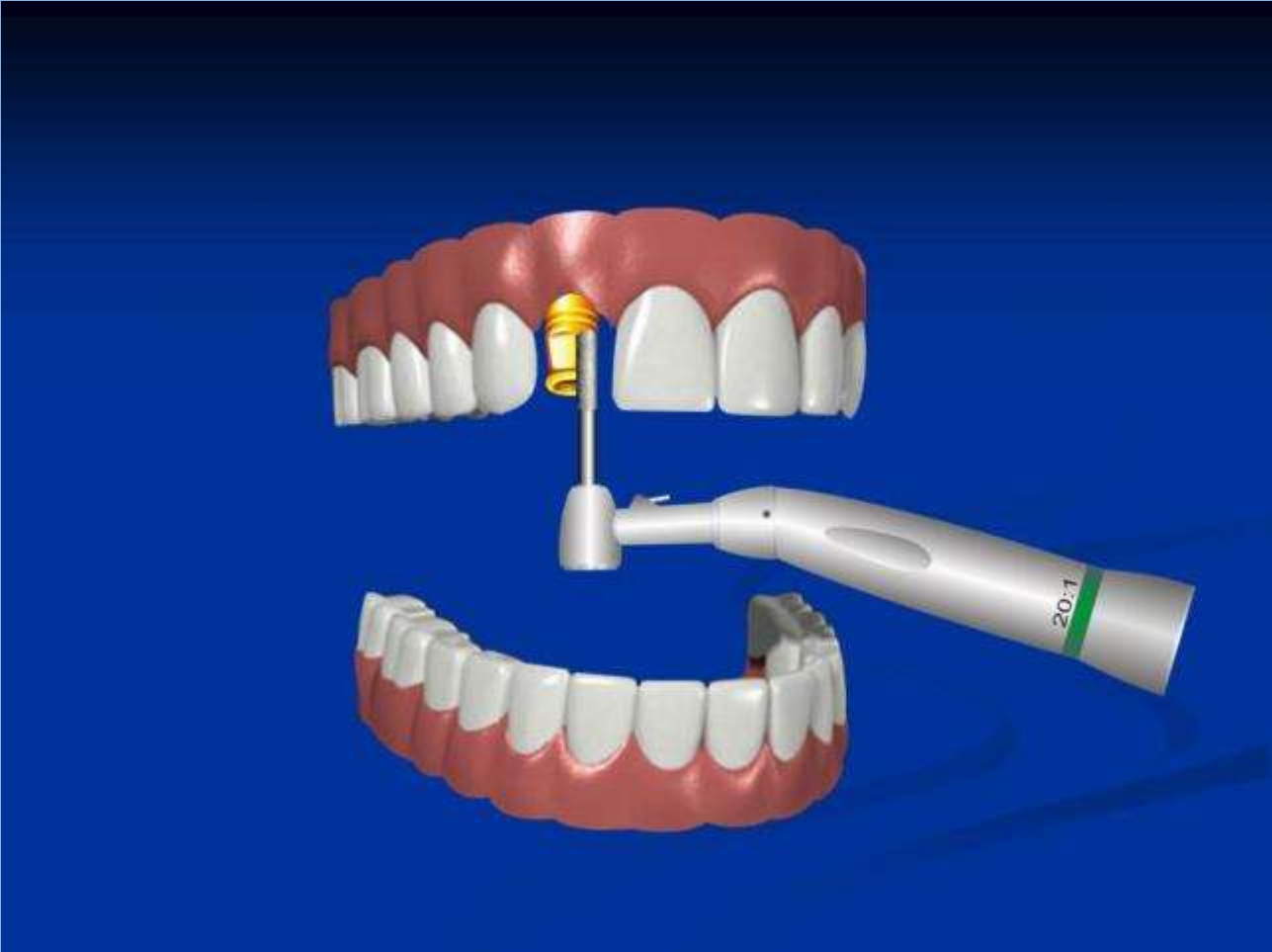


## RIVESTIMENTO ESTETICO DELLA STRUTTURA



# IL MOUNT COME MONCONE



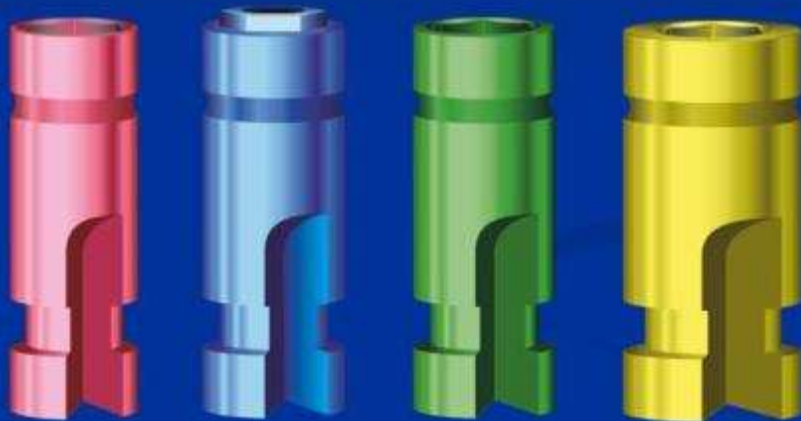




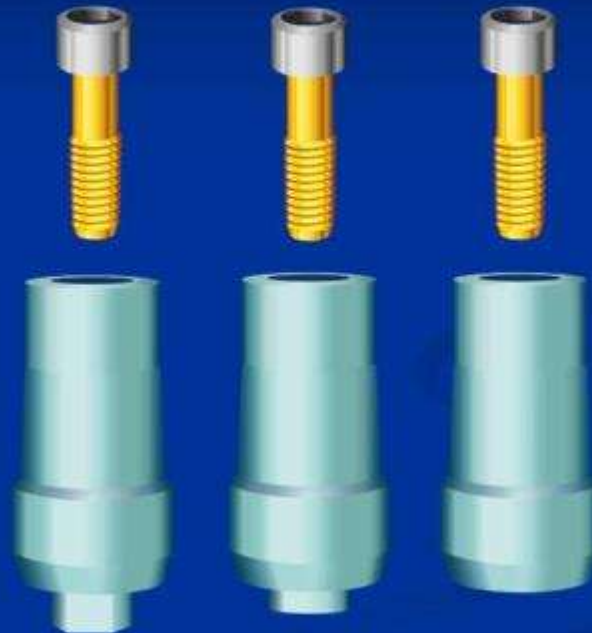
## PILASTRI DI GUARIGIONE



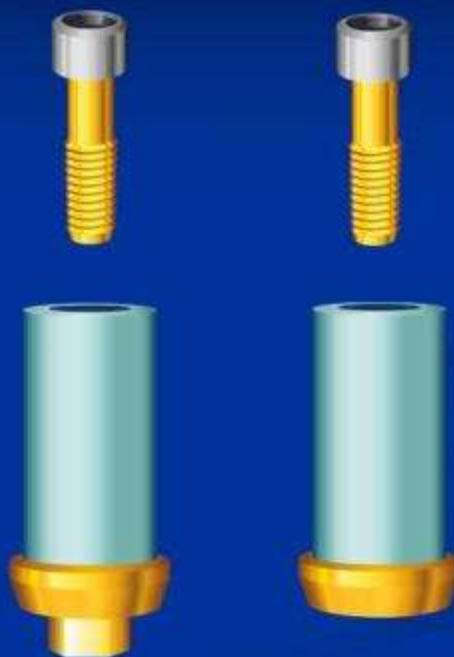
## ANALOGHI DA LABORATORIO



## MONCONI CLACINABILI TIPO UCLA



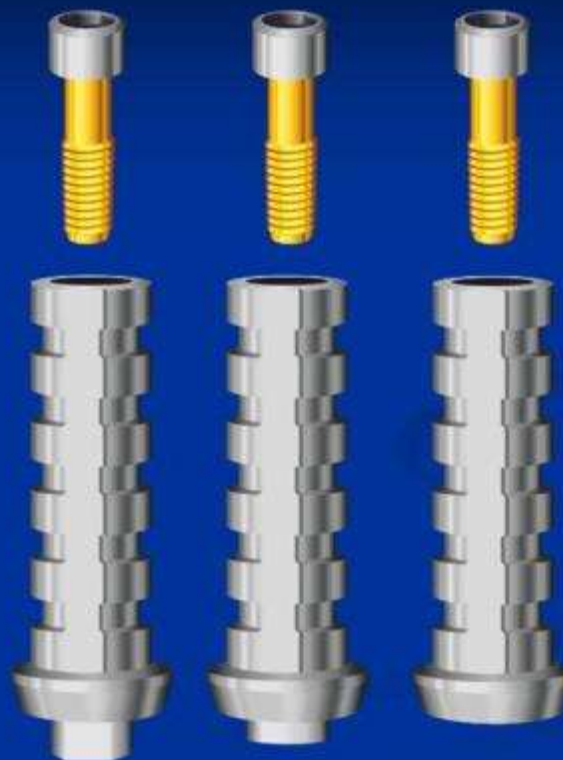
## MONCONI TIPO UCLA BASE ORO



## MONCONI IN TITANIO PREFORMATI

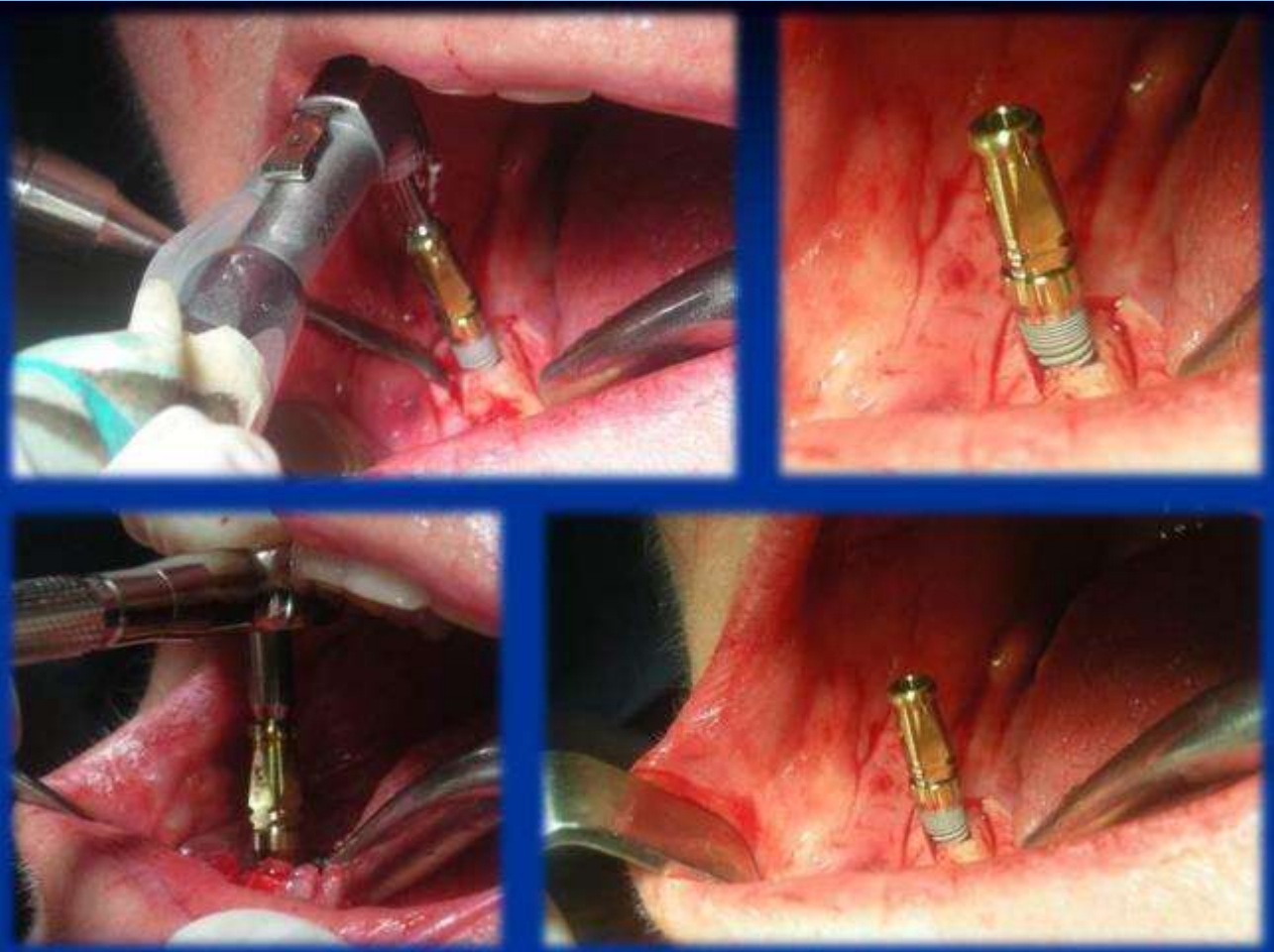


## MONCONI TEMPORANEI IN TITANIO



**PROTESI AVVITATA****ESTRAZIONE ELEMENTI DENTALI**

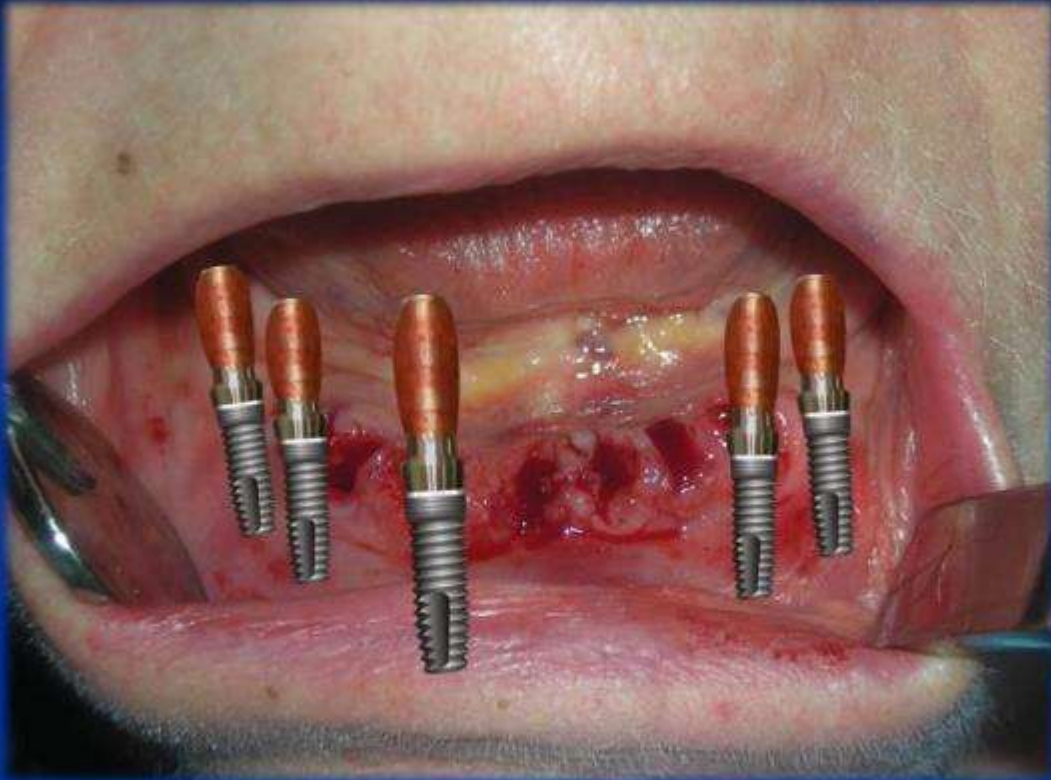
**MASCHERINA - TRANSFER - MASTICAZIONE****PREPARAZIONE CHIRURGICA**



## PREPARAZIONE DELLE COMPONENTI



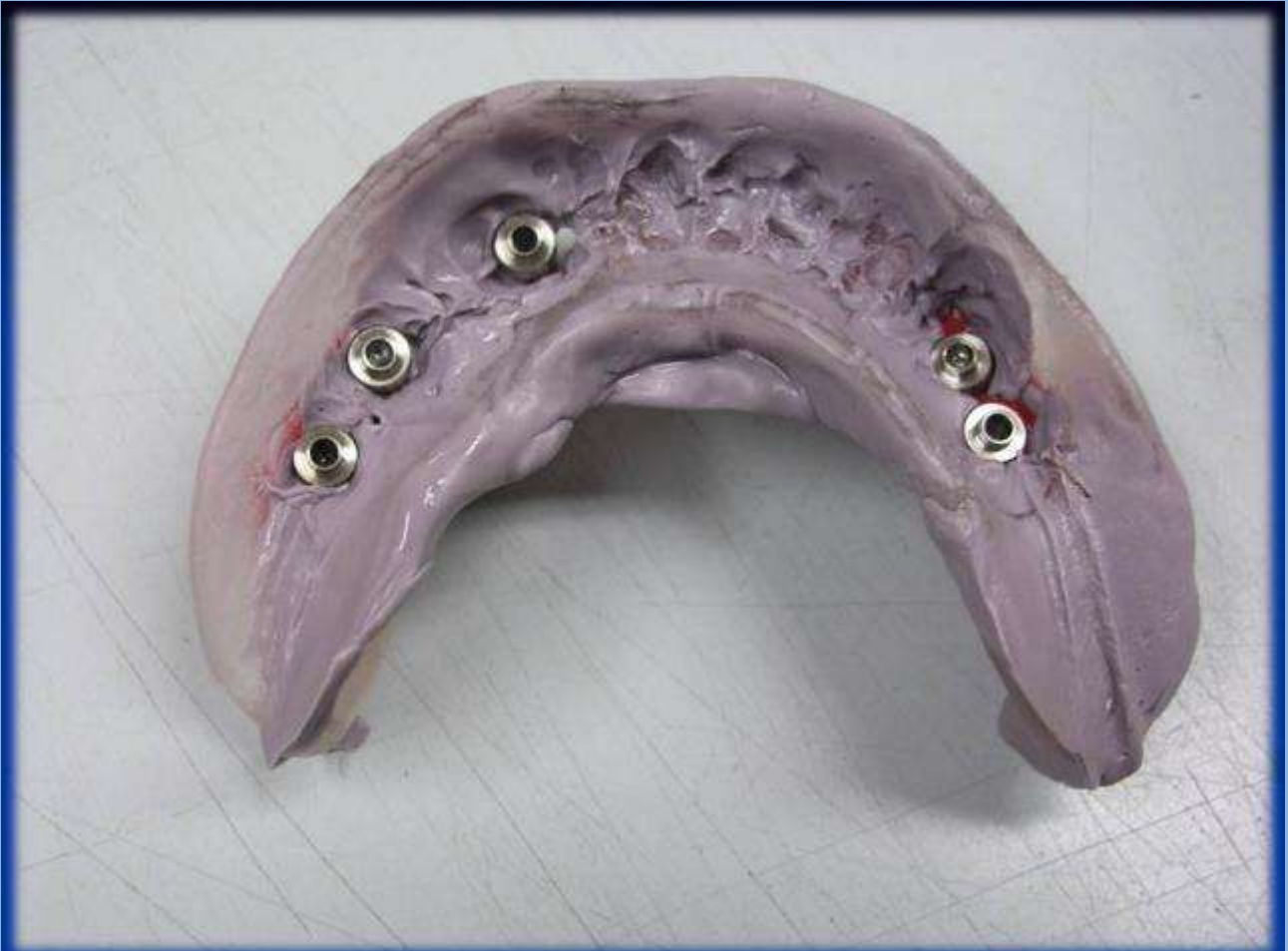
## COMPONENTI AVVITATE SUGLI IMPANTI



## COMPONENTI BLOCCATE ALLA MASCHERINA



**MASCHERINA - TRANSFER - MASTICAZIONE**

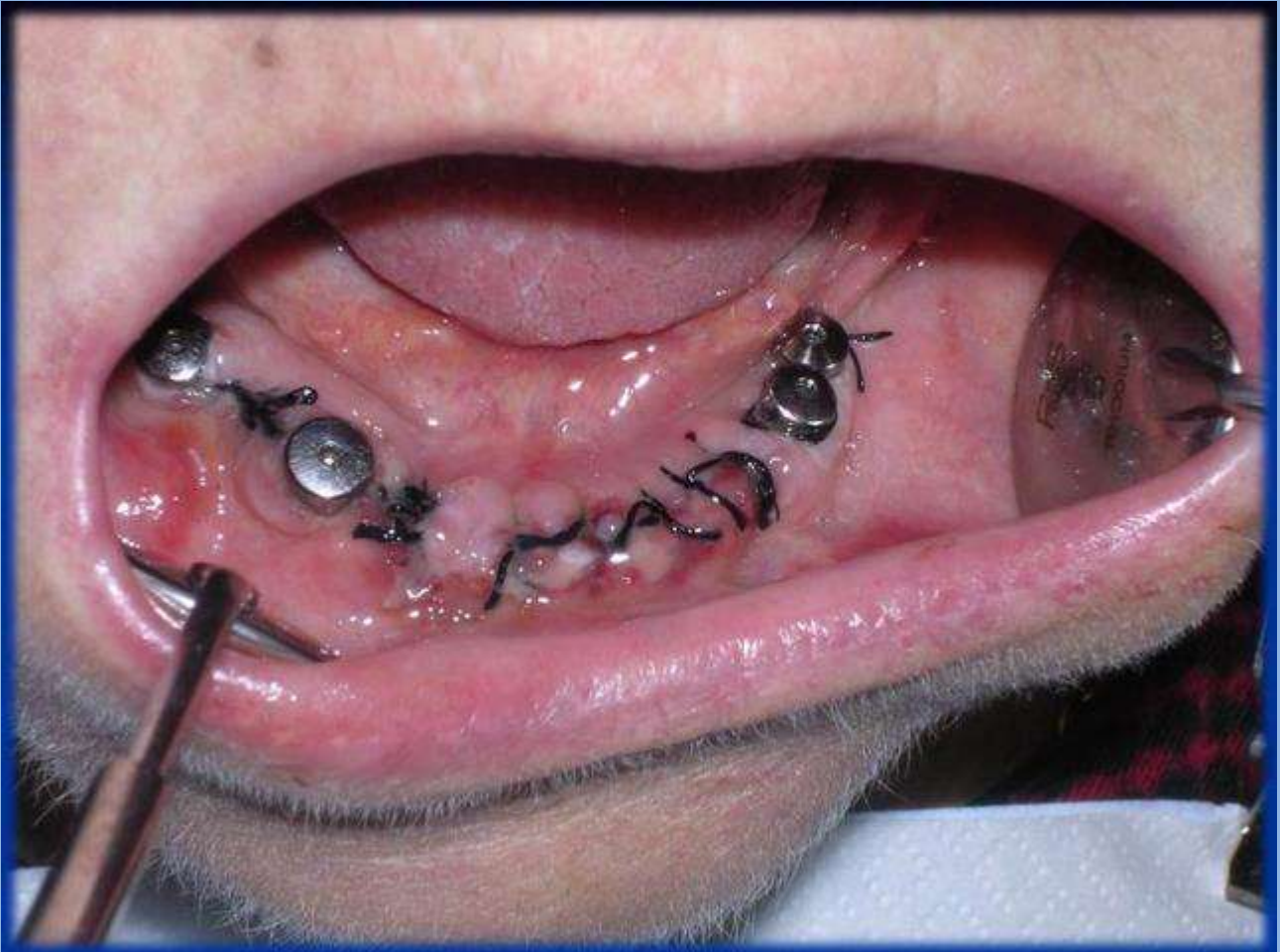








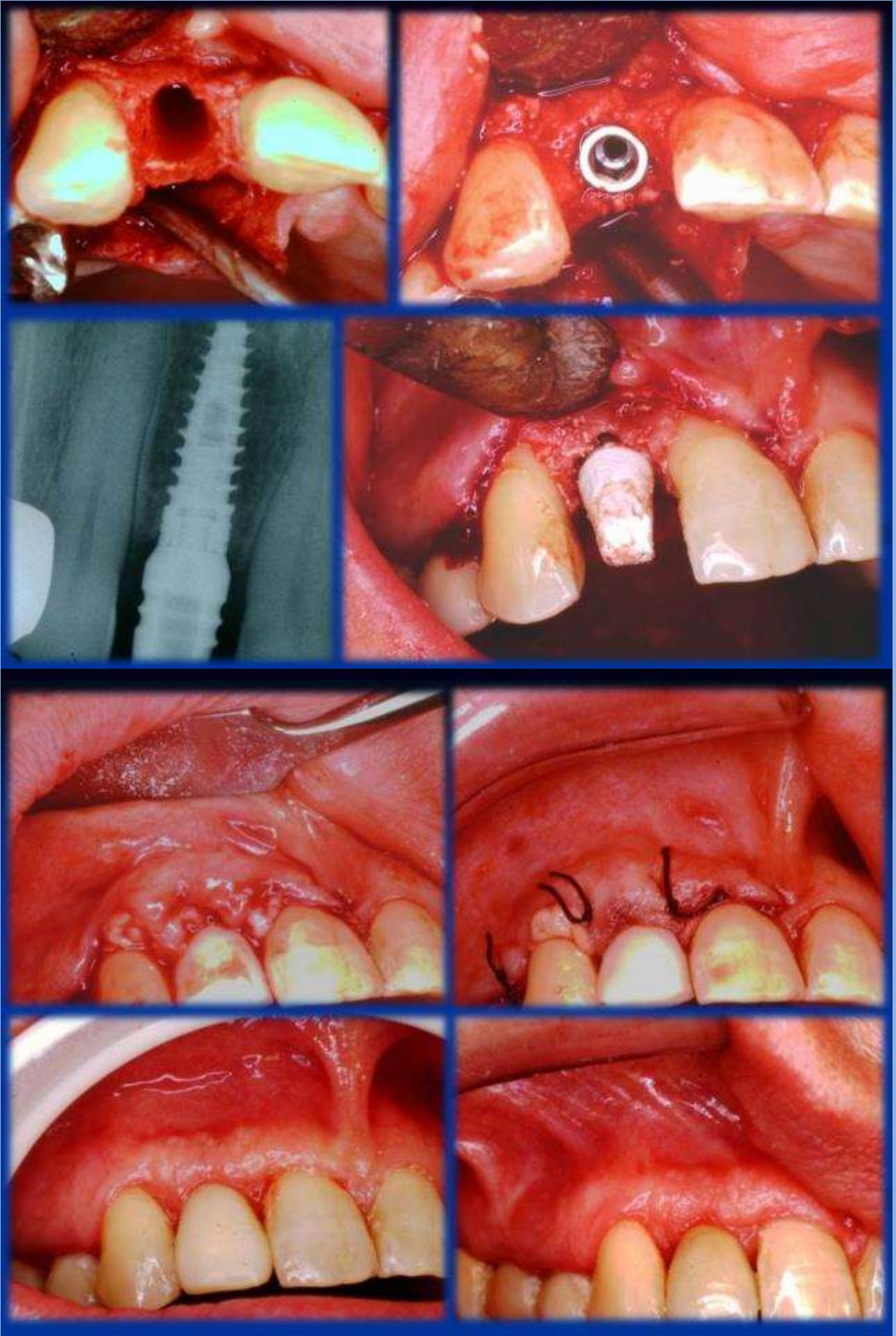






## MONCONI TEMPORANEI IN PEEK





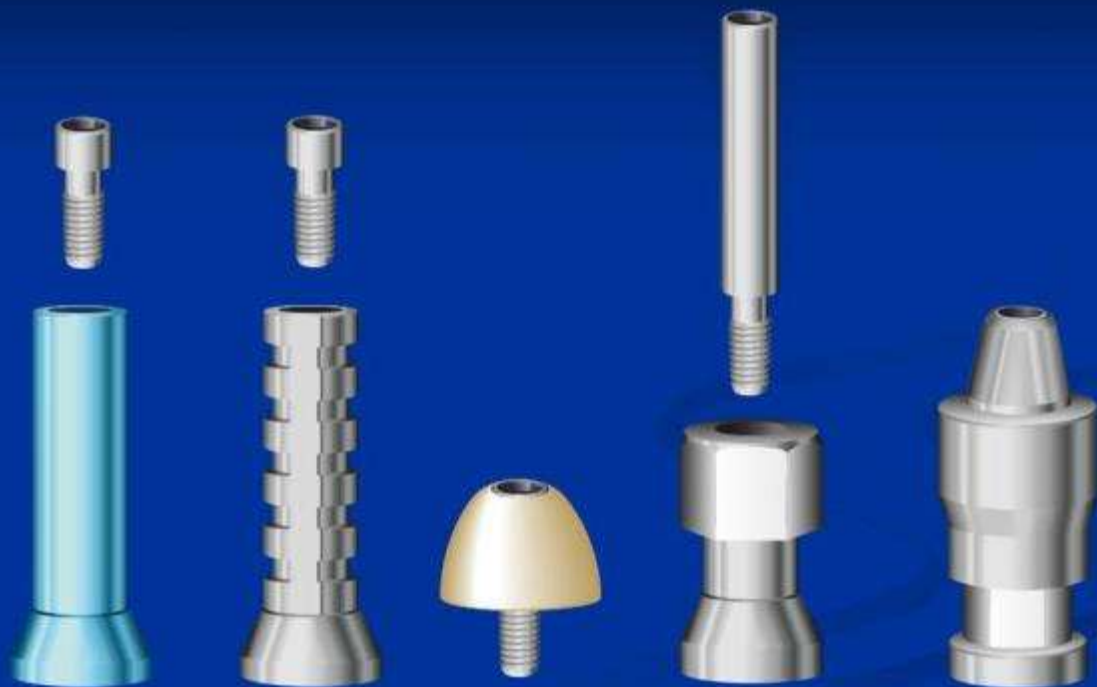
## MONCONI TORONTO ALL ON 4

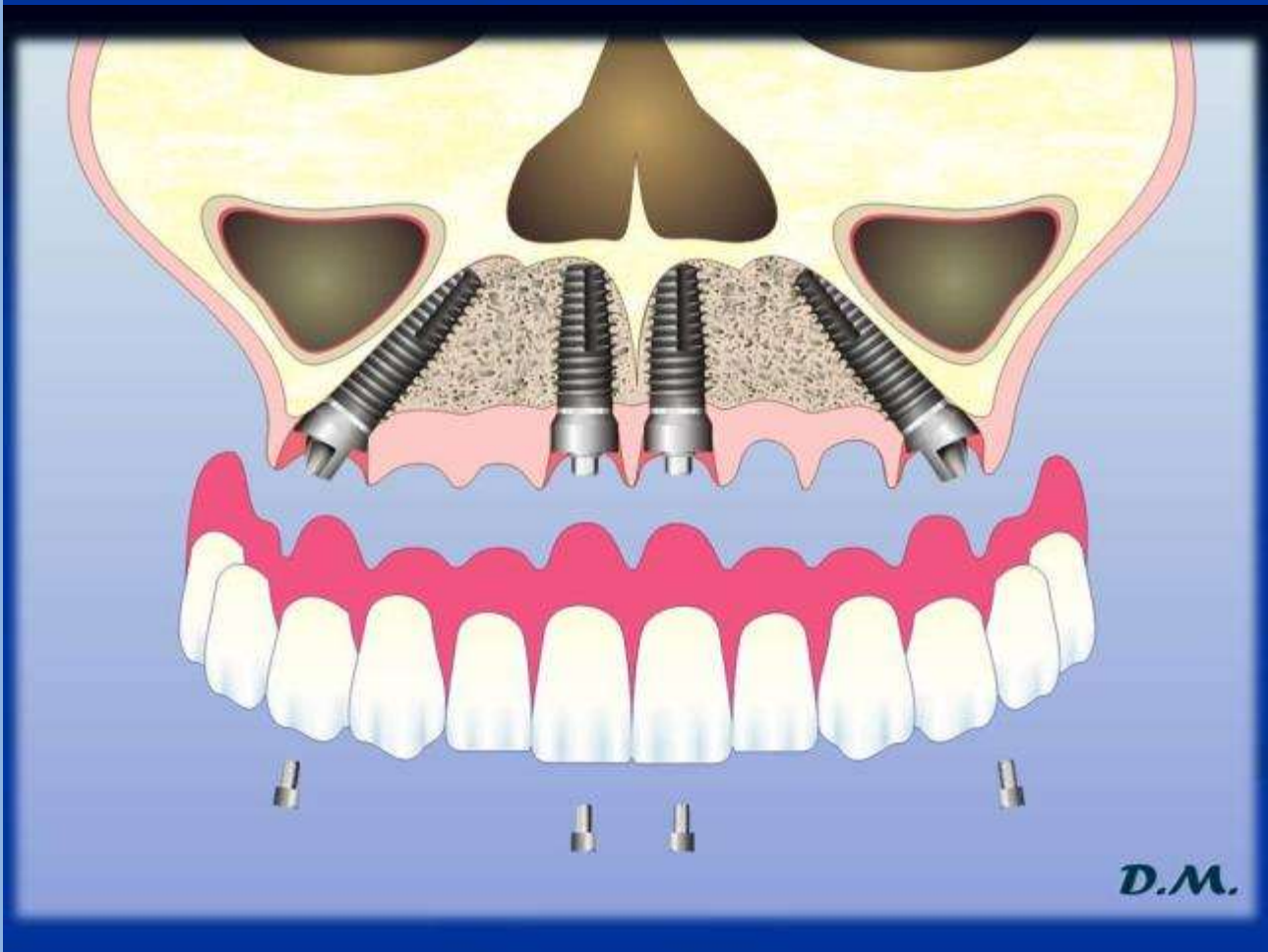
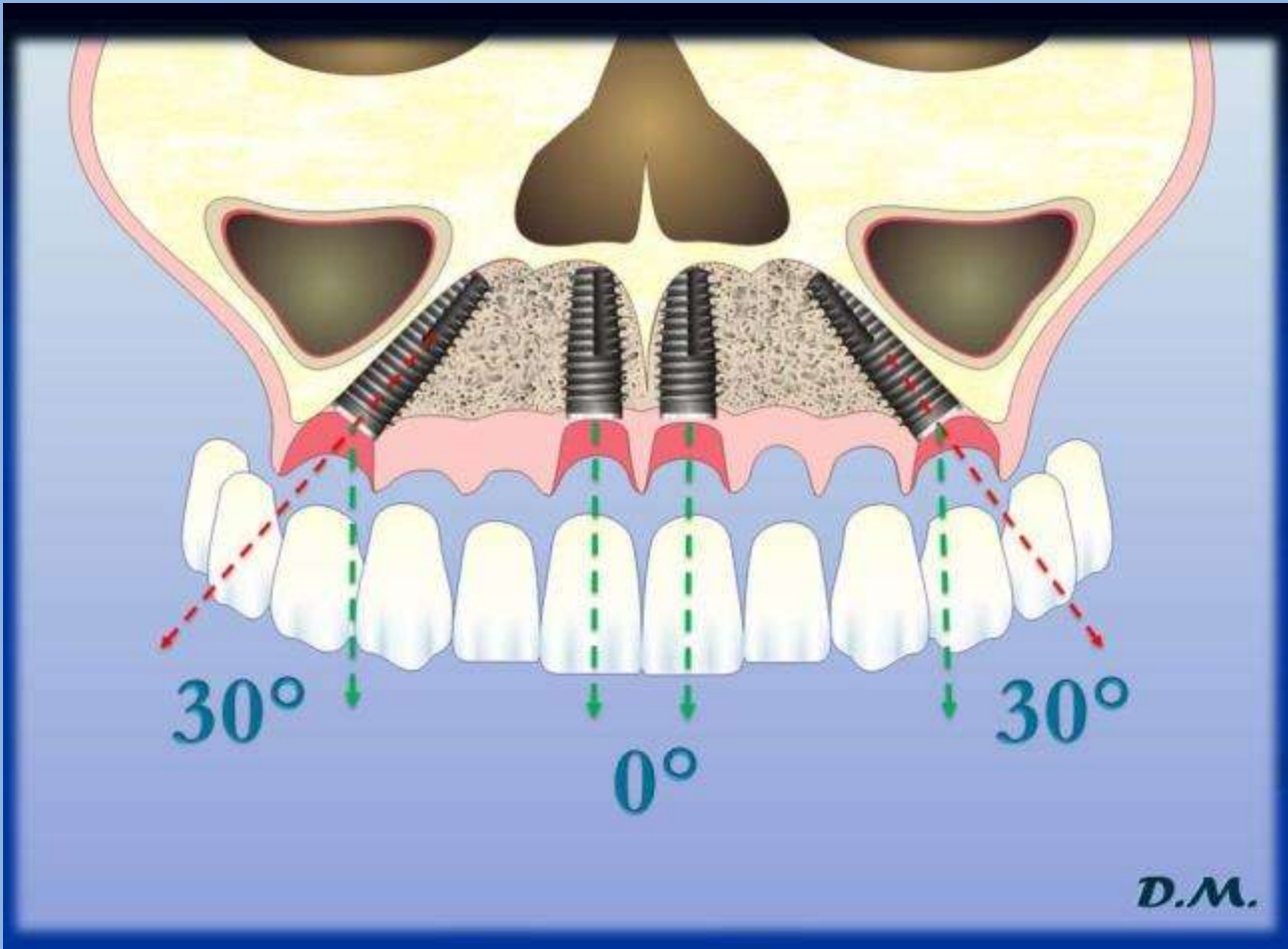


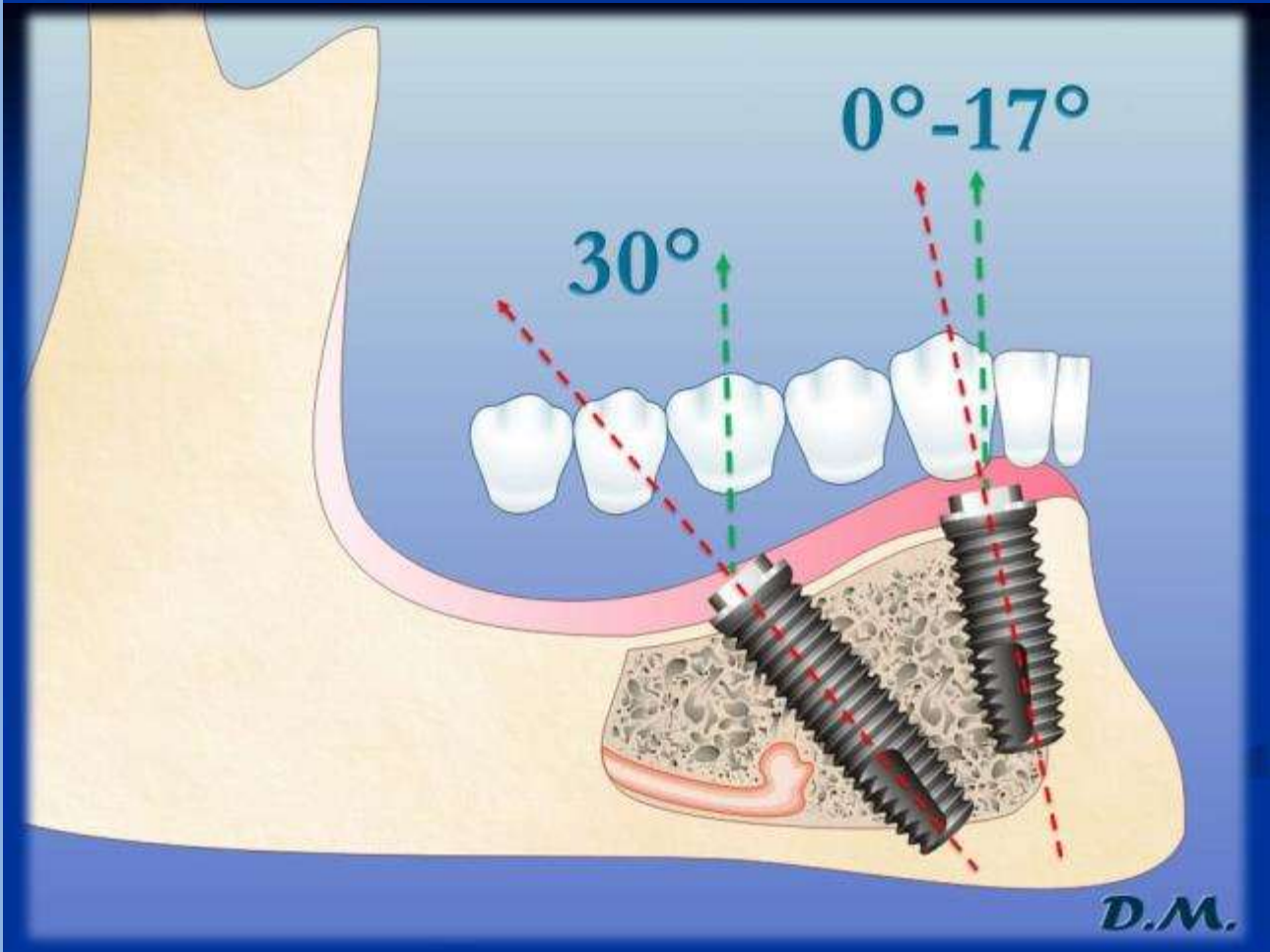
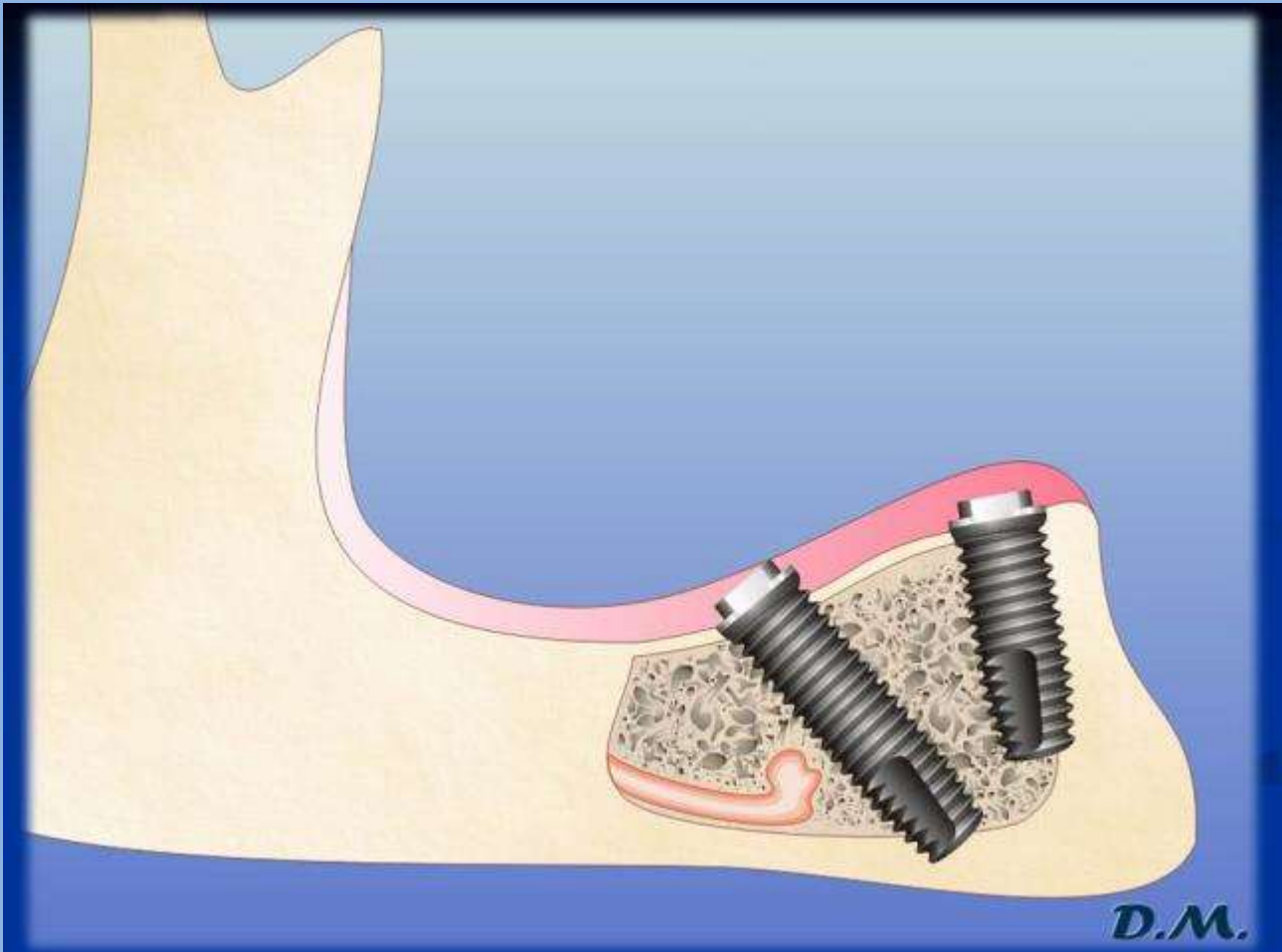
**DIRITTI**

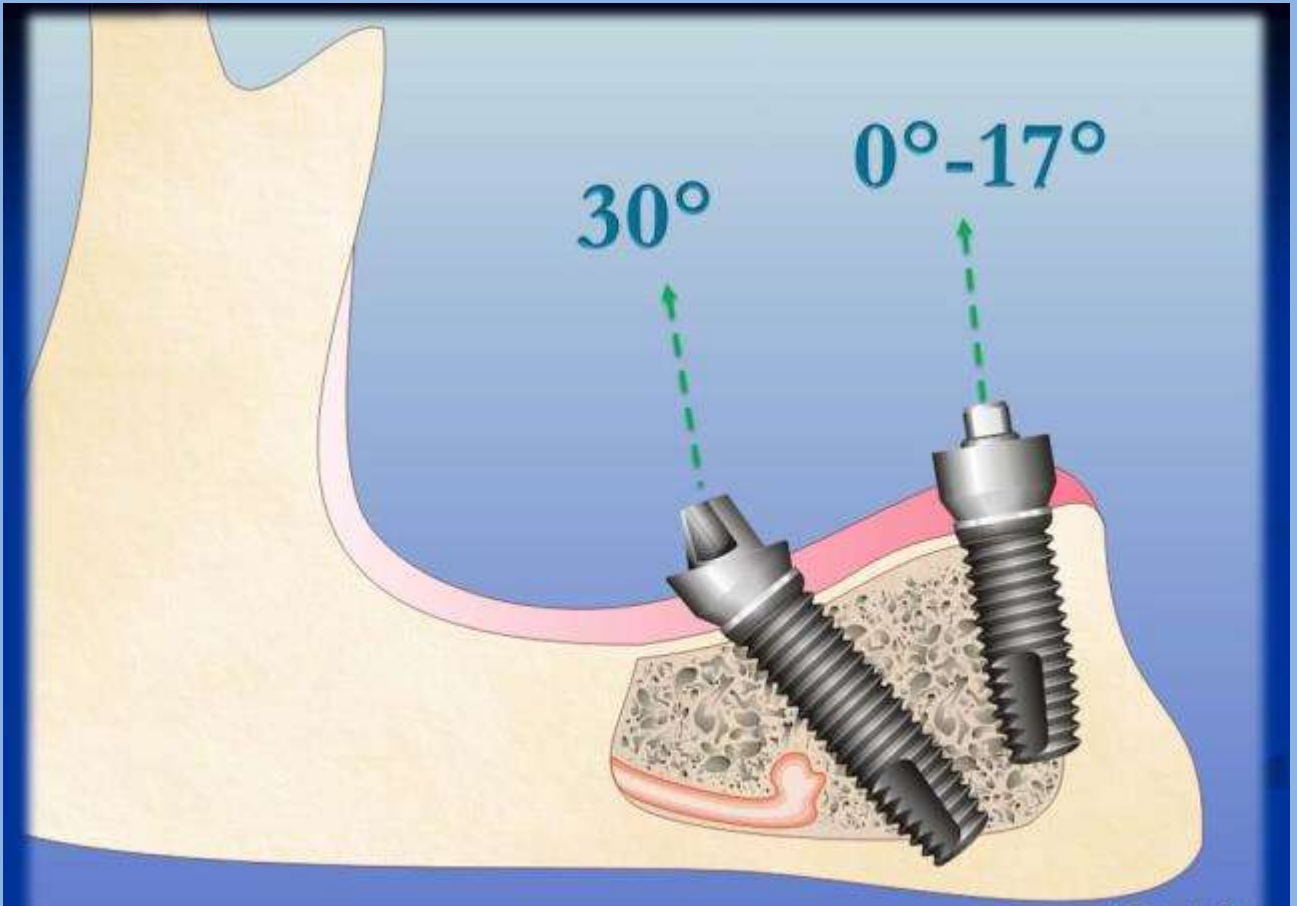
**ANGOLATI**

## PROTESI TORONTO ALL ON 4

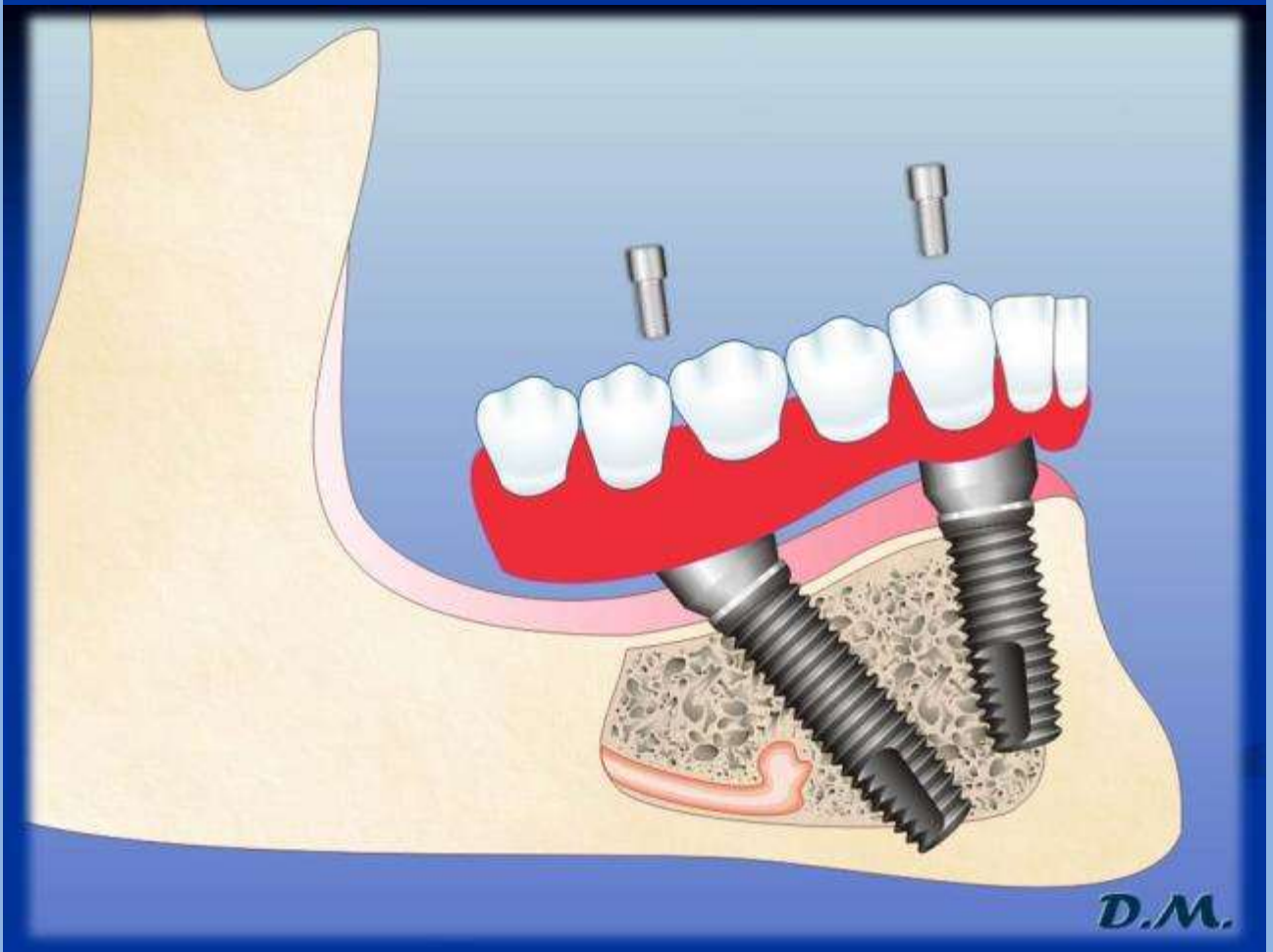








*D.M.*



*D.M.*

## COMPONENTI PER OVERDENTURE



Ritenzioni Teflon



Contenitori Metallici



## COMPONENTI PER BARRA OVERDENTURE



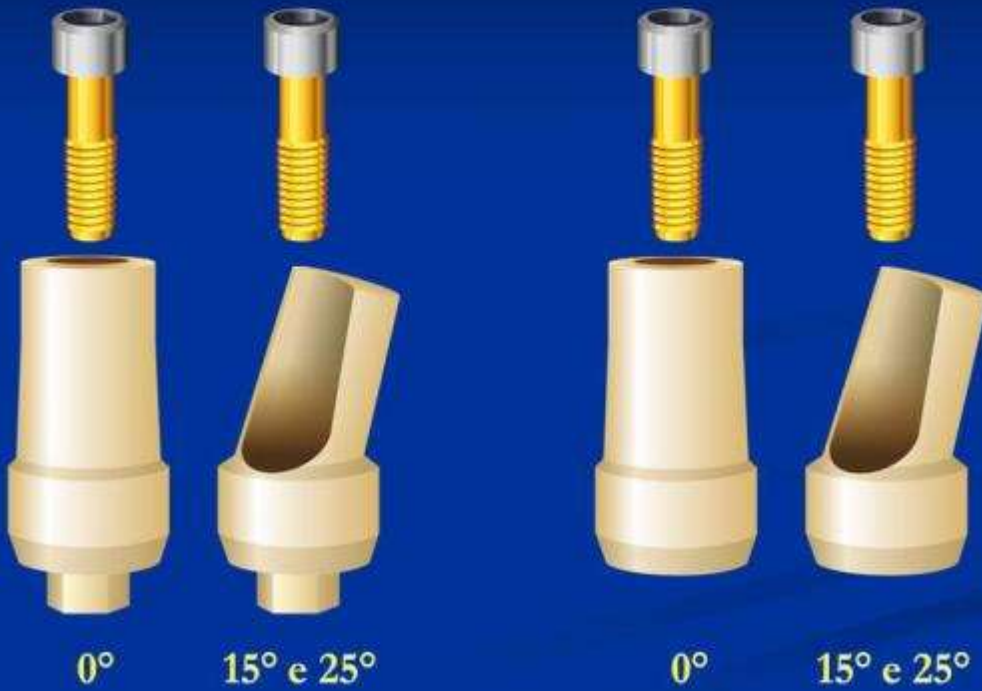
Barra Dolder



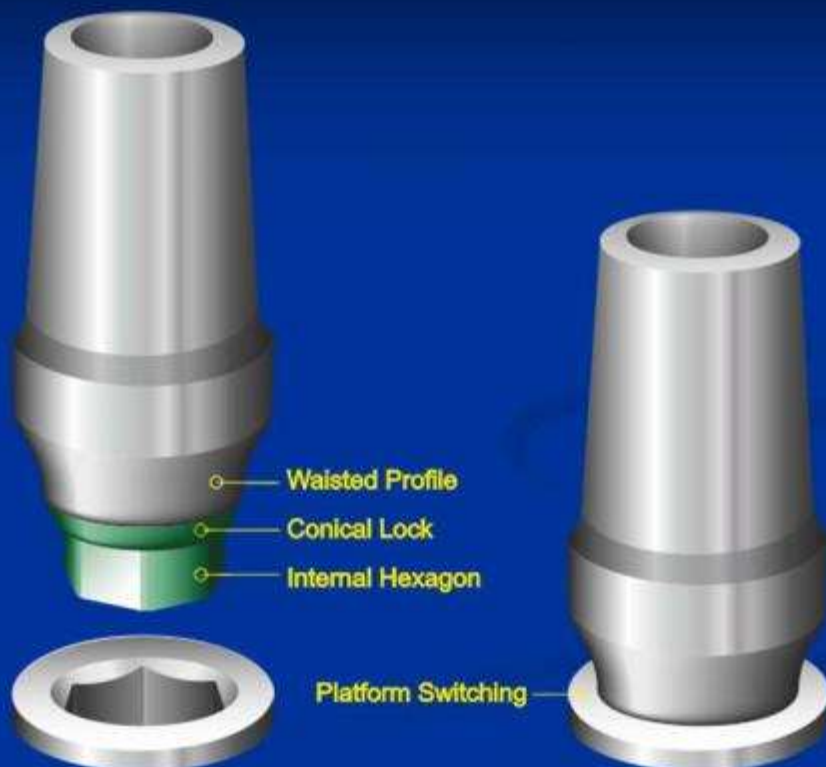
Teflon Ritentivo



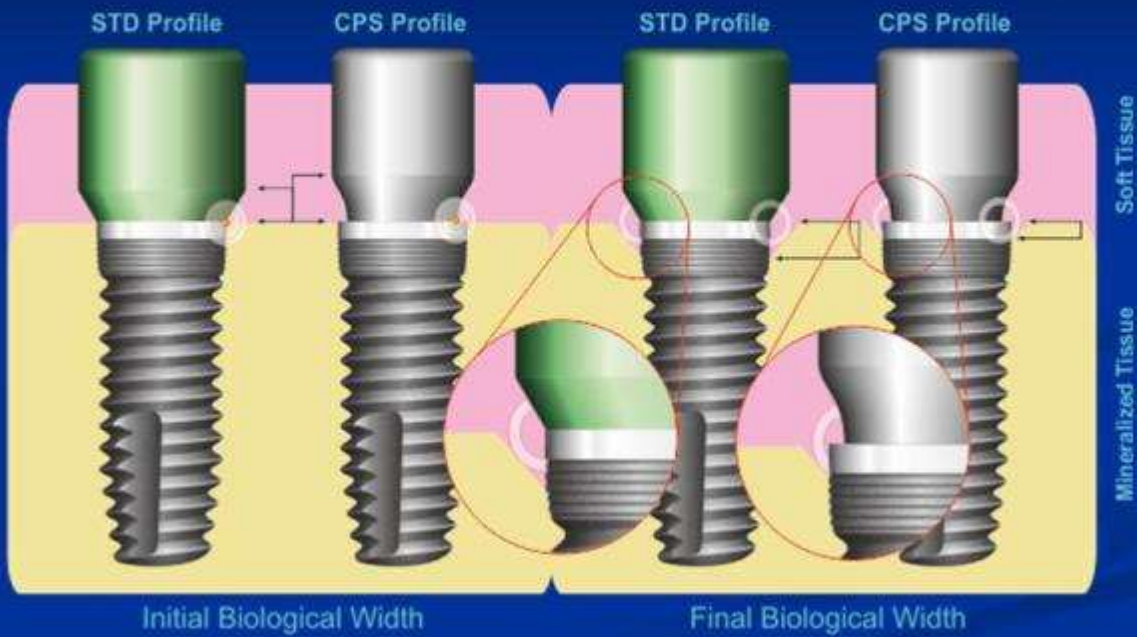
## MONCONI ESTETICI IN ZIRCONIA



## COMPONENTI PROTESICHE CPS



## COMPONENTI PROTESICHE CPS



## COMPONENTI PROTESICHE CPS

