

CHIRURGIA PROTESICA DI SPALLA

Live and relive surgery

7-8 febbraio 2019



Presidente

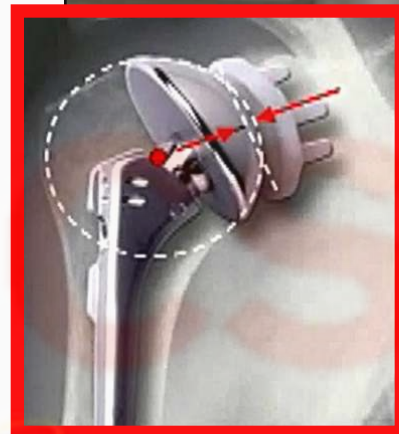
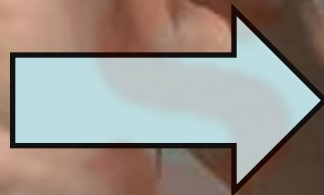
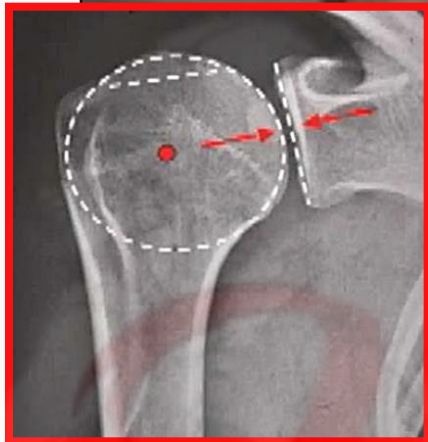
Prof. Filippo Castoldi

TIPS & TRICKS PER UN CORRETTO IMPIANTO DELLA COMPONENTE OMERALE



**A. Marinelli
E. Guerra
R. Rotini**

**Chirurgia Spalla-Gomito
Istituto Ortopedico Rizzoli**



**PROTESI ANATOMICA:
RICREARE PERFETTA ANATOMIA**

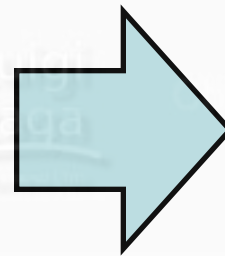
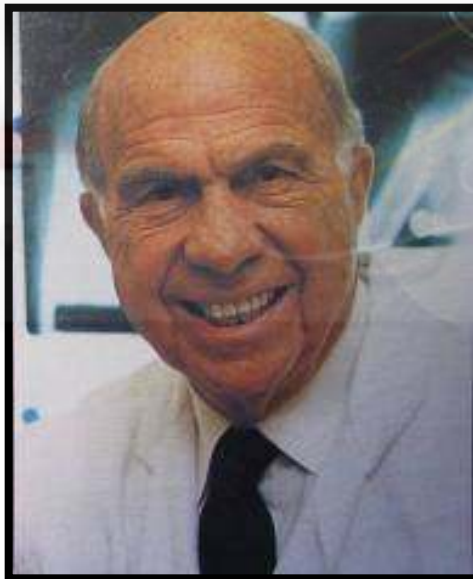
PROTESI DI SPALLA: PRIMA GENERAZIONE.

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MONOBLOCCO

Anni '70



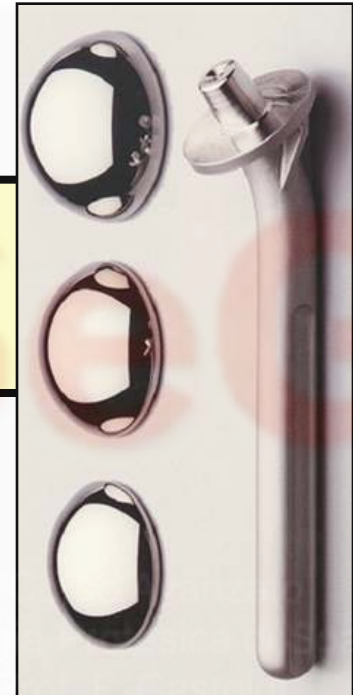
PROTESI DI SPALLA: II e III GENERAZIONE

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Anni '80

MODULARITA'



Anni '90

ADATTABILITA'

PROTESI ANATOMICA DI SPALLA RICHIEDE:

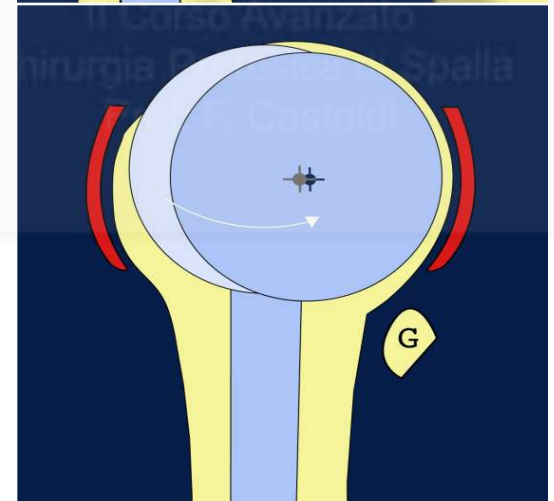
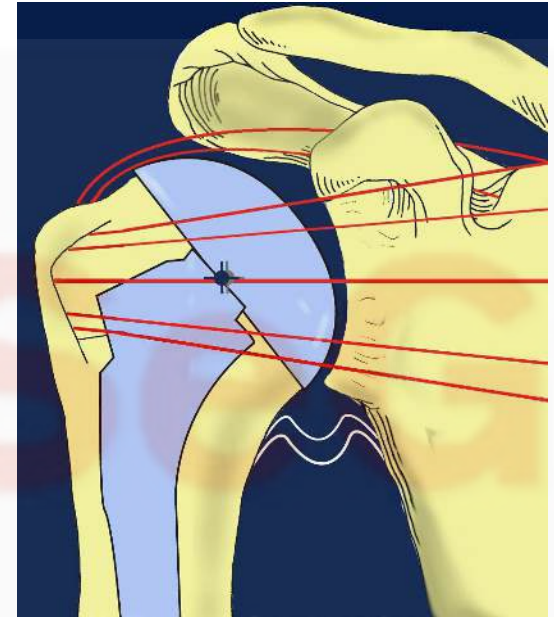
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RICREARE:

- diametro della testa
- retroversione della testa
- *offset* post. della testa
- *offset* scapola-trochite
- *offset* testa-trochite

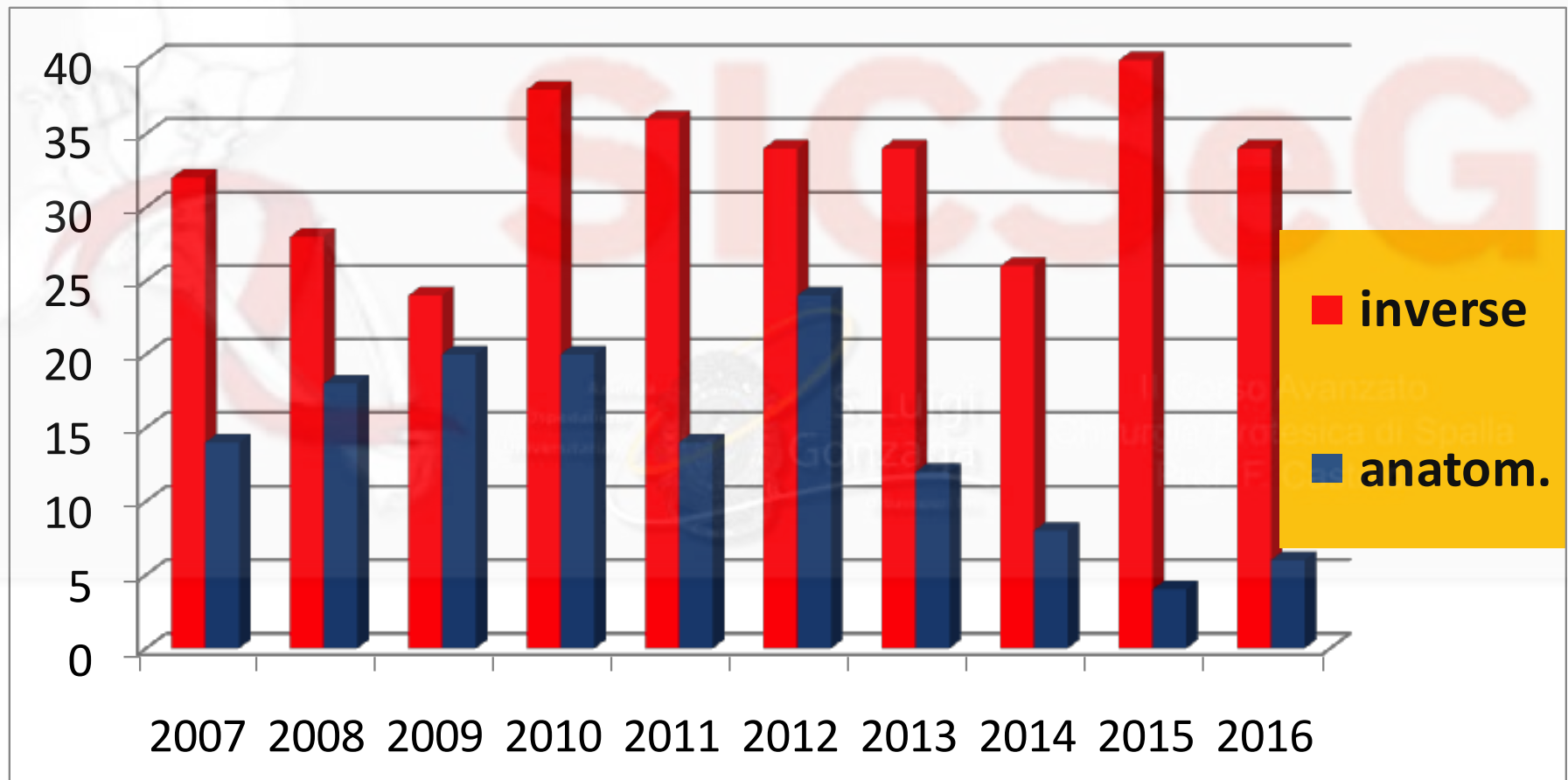
Corretto equilibrio cuffia rotatori
➡ Recupero funzione



Protesi spalla: Chirurgia Spalla e Gomito Rizzoli

2007 – 2016

Inversa/Anatomica
7/1



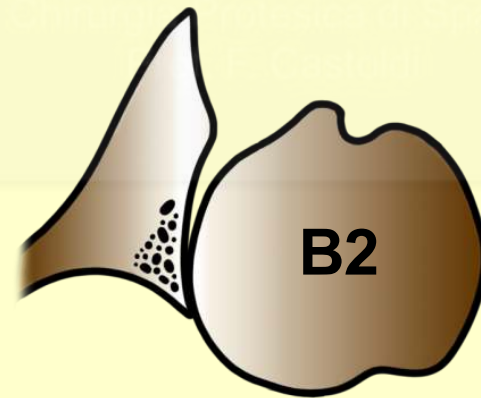
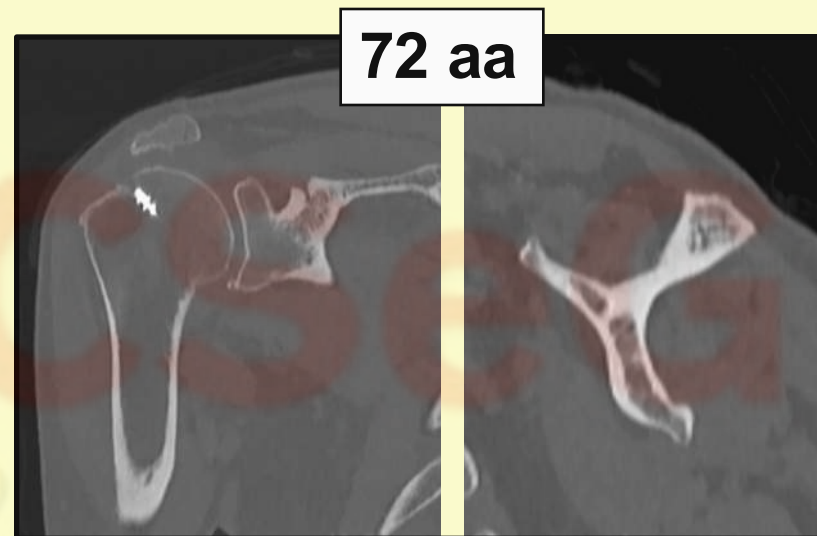
PROTESI ANATOMICA: T&T

1- SELEZIONE PAZIENTE

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- **PAZIENTI < 65/70 aa**
- **CUFFIA INTEGRA**
- **NO SIGNIFICATIVE DEFORMITA' GLENOIDEE**
- **NO INSTABILITA'**



PROTESI ANATOMICA: T&T 2- SELEZIONE IMPIANTO

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**PROTESI TOTALE:
OMO-ARTROSI CONCENTRICA**

PROTESI ANATOMICA 2- SELEZIONE IMPIANTO

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PROTESI ANATOMICA: FAMIGLIA

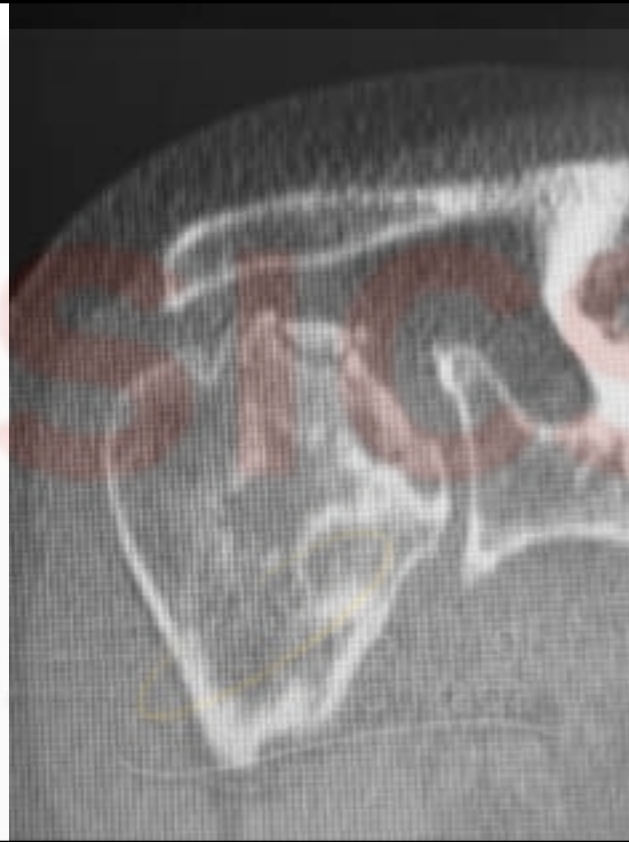


2- SELEZIONE IMPIANTO OSTEONECROSI

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68 aa



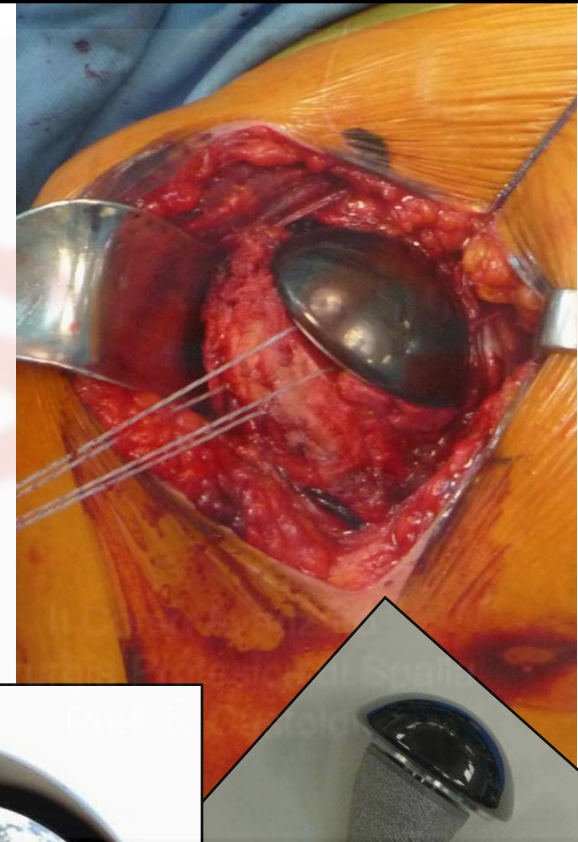
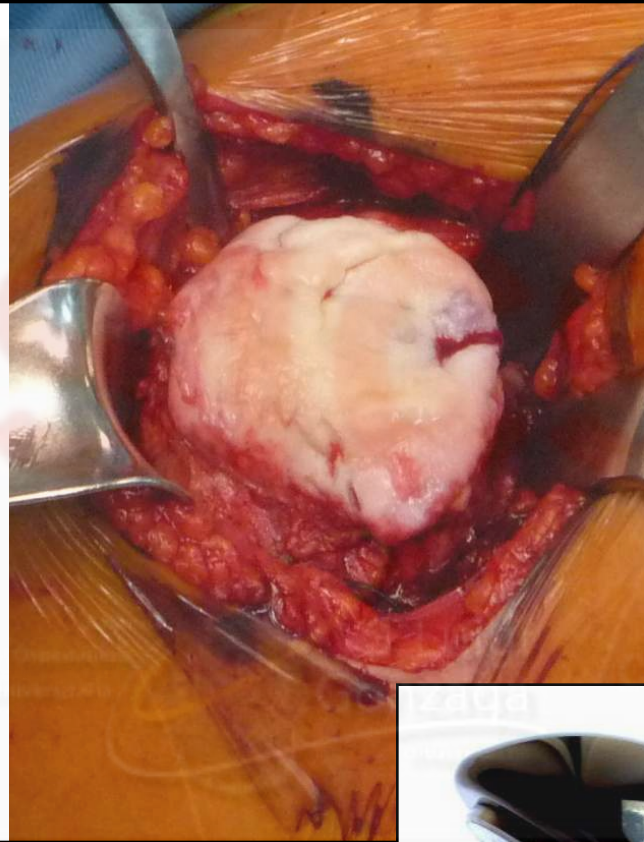
2- SELEZIONE IMPIANTO OSTEONECROSI

CHIRURGIA
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68 aa

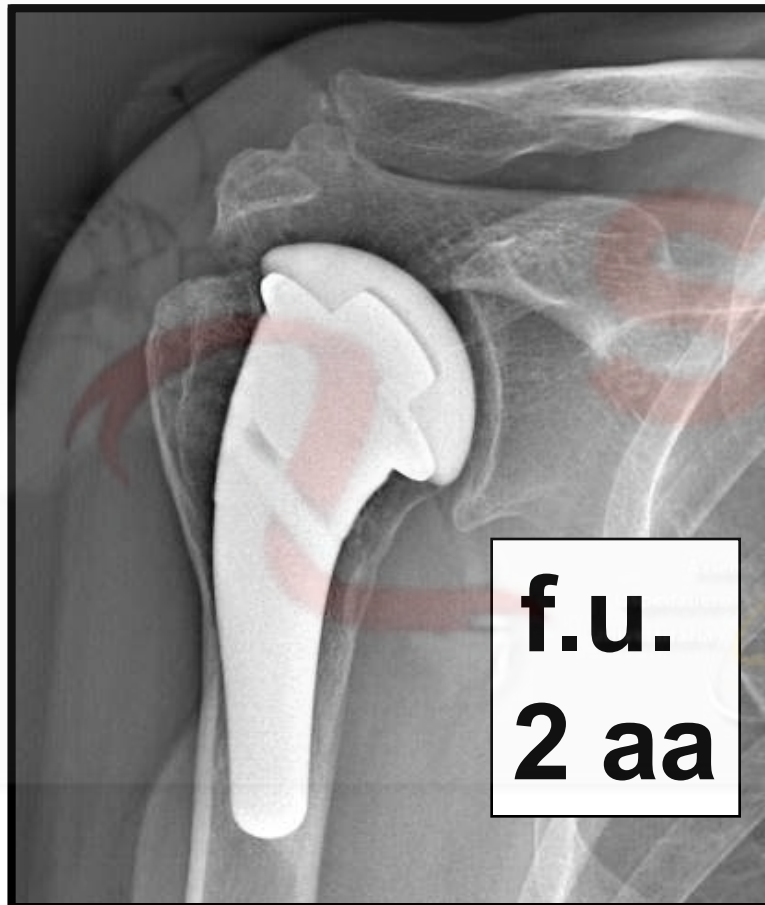


**TESTA
PIROCARBONIO**



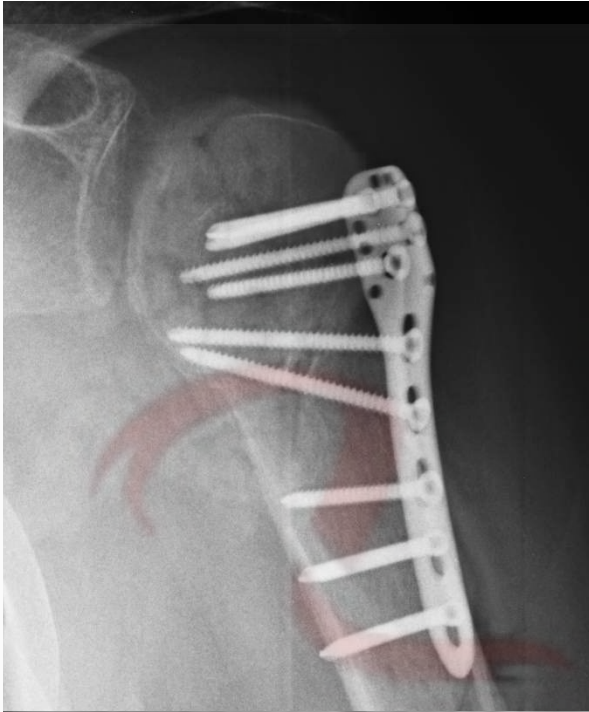
2- SELEZIONE IMPIANTO TESTA- PIROCARBONIO

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2- SELEZIONE IMPIANTO LUSSAZ. POSTERIORE

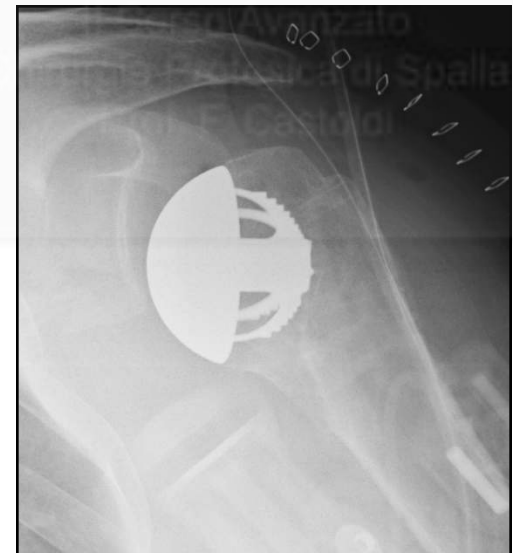
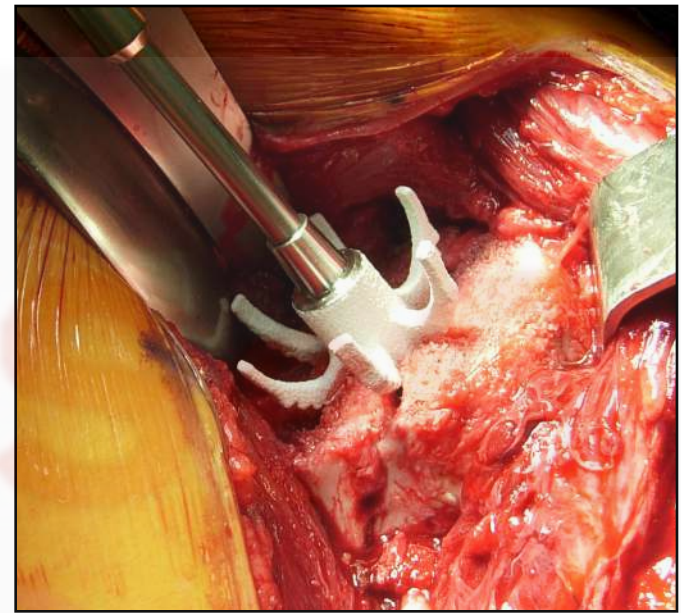
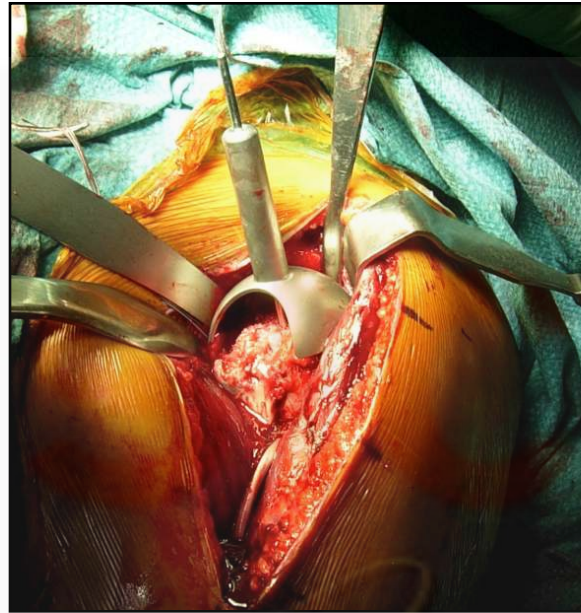
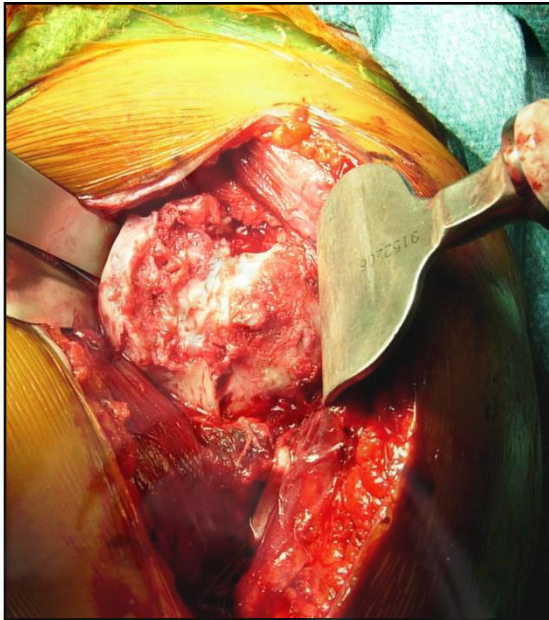
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43 aa

2- SELEZIONE IMPIANTO PROTESI STEM-LESS

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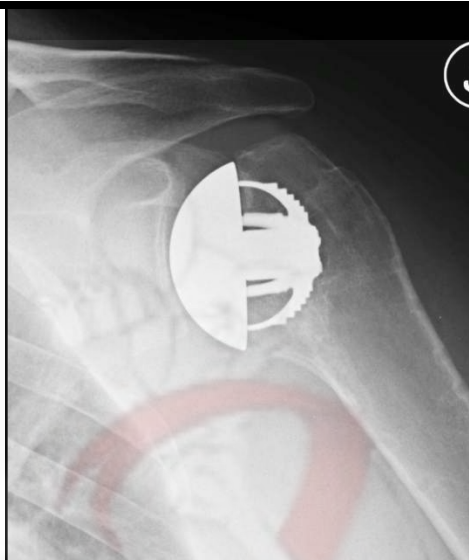
2- SELEZIONE IMPIANTO PROTESI STEM-LESS

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Pre-op



f.u.1 aa



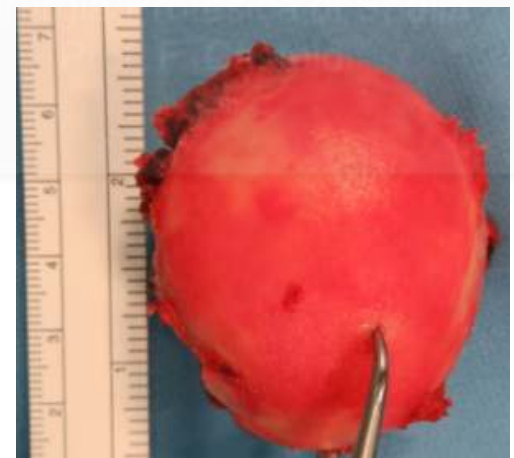
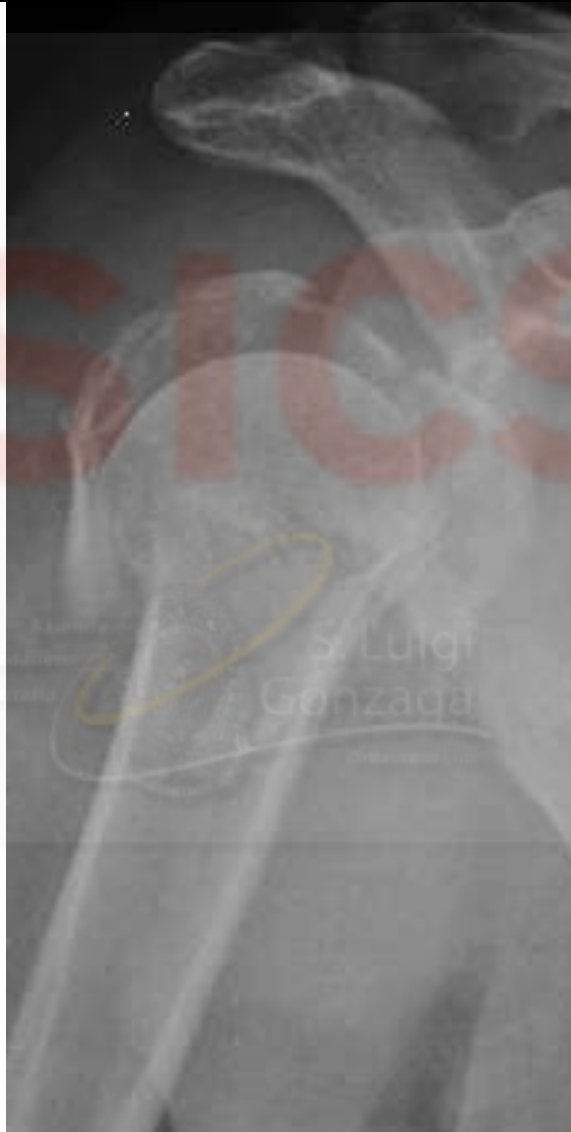
2- SELEZIONE IMPIANTO FRATT. 4 FRAMMENTI

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DI SPALLA

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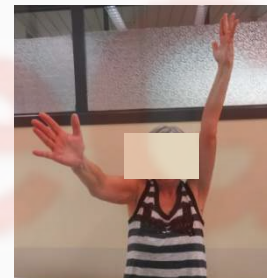
62 aa



2- SELEZIONE IMPIANTO FRATT. 4 FRAMMENTI

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DATI RIPO 2008-2015

EMI vs INVERSA

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PROTESI ANATOMICA 2- SELEZIONE IMPIANTO

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SISTEMI PROTESICI CONVERTIBILI per revisione parziale



TRAUMA

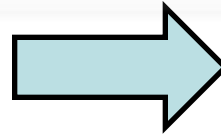
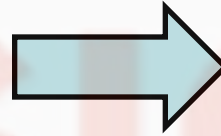
ELEZIONE

INVERSA

CTA

PROTESI ANATOMICA 2- SELEZIONE IMPIANTO

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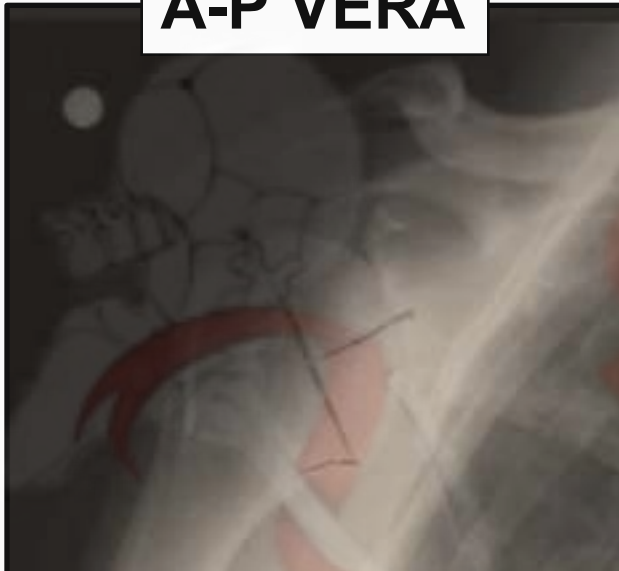
PROTESI ANATOMICA T&T

3- PLANNING PRE-OP.

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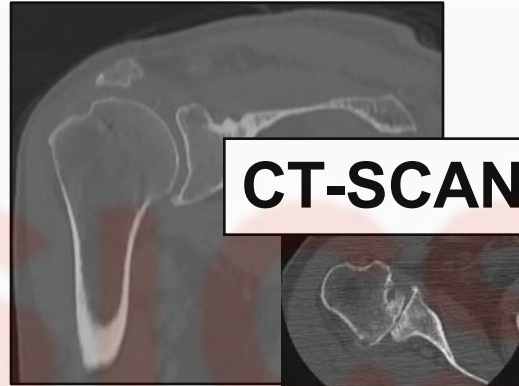


A-P VERA

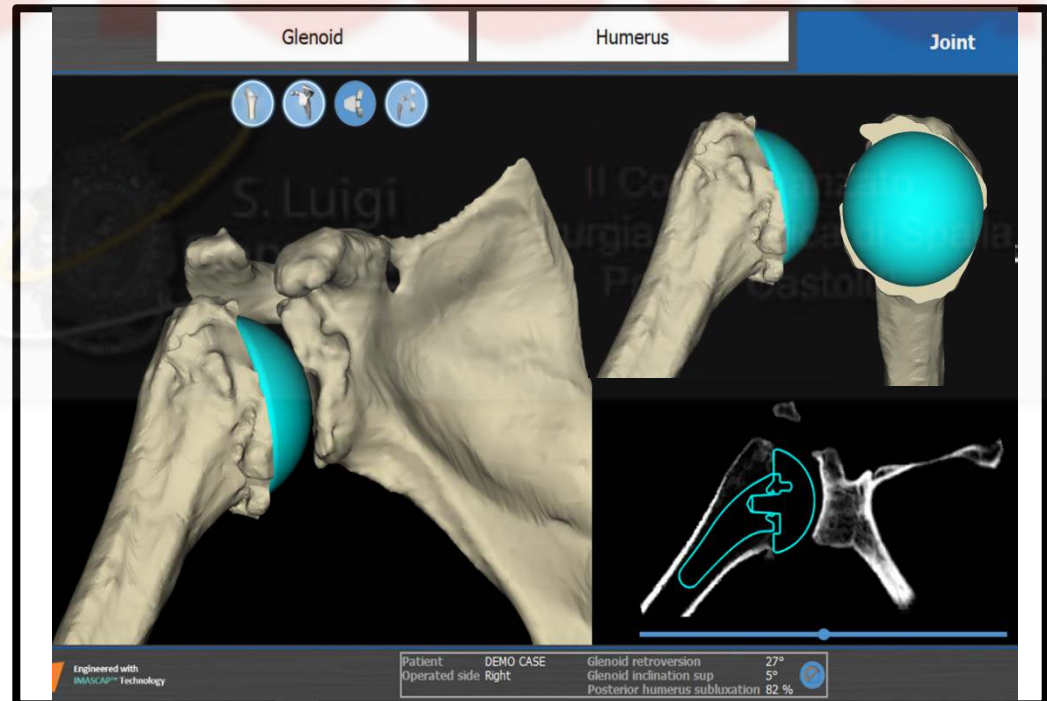
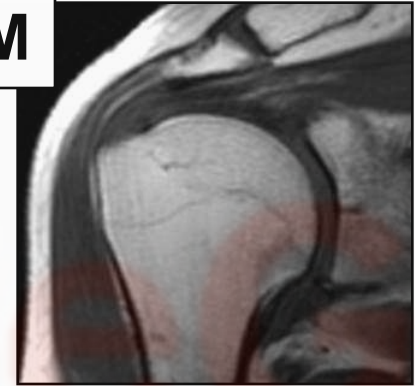


ASCELLARE

CT-SCAN

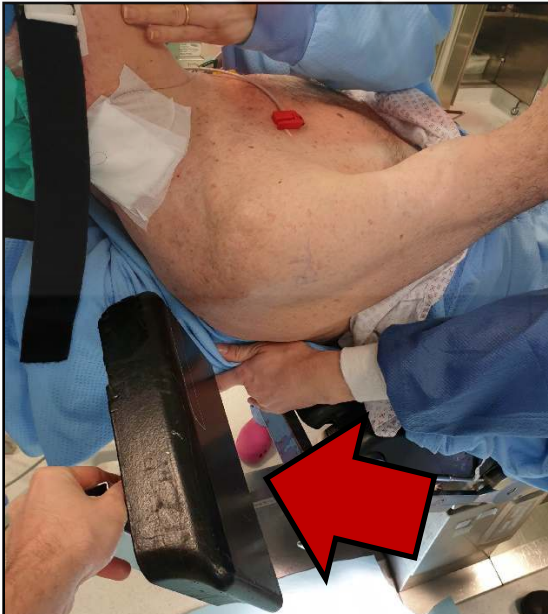


RM



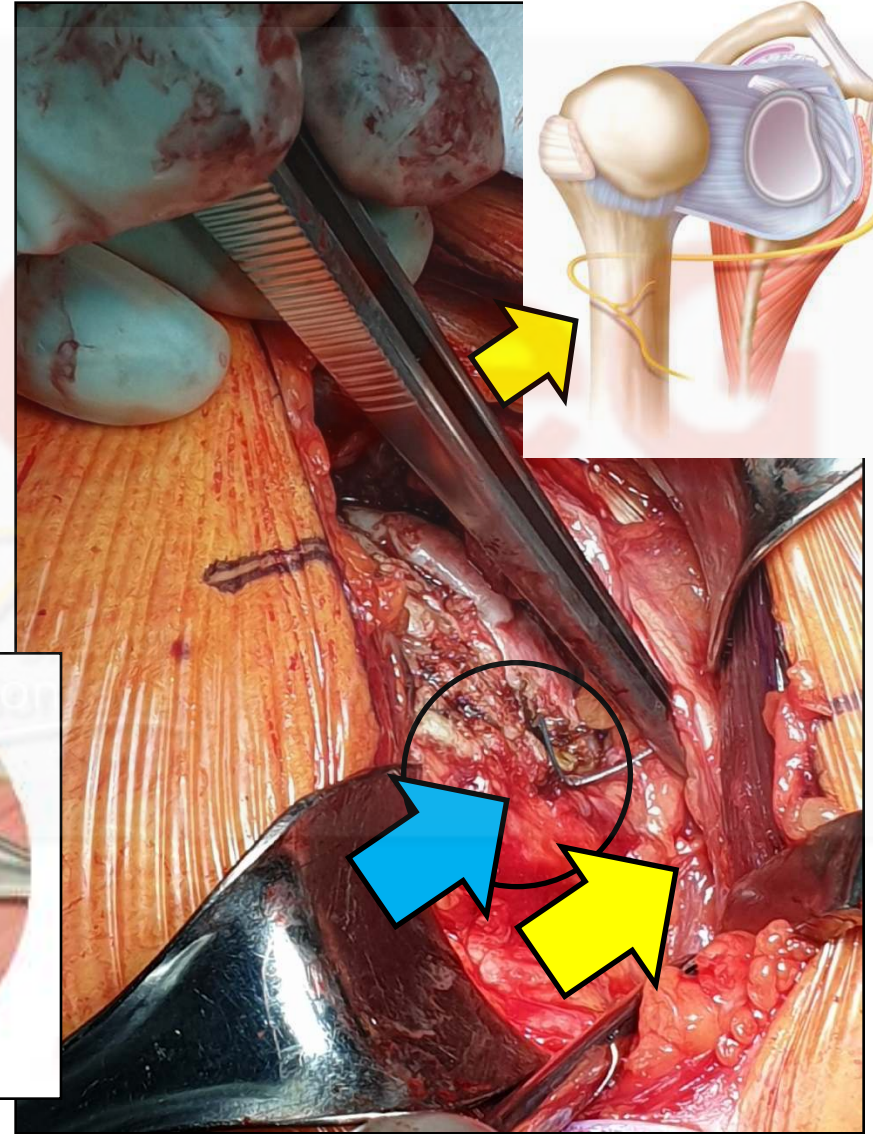
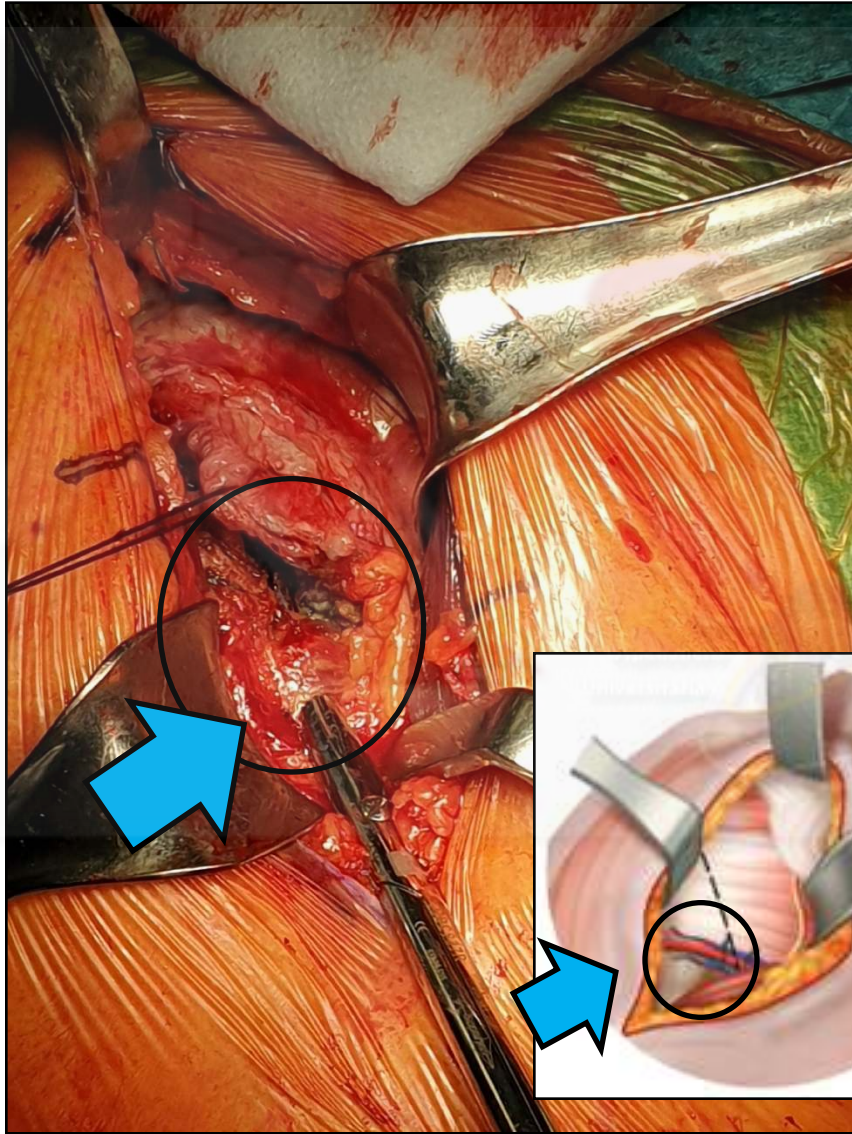
PROTESI ANATOMICA T&T 4- POSIZIONAMENTO PZ

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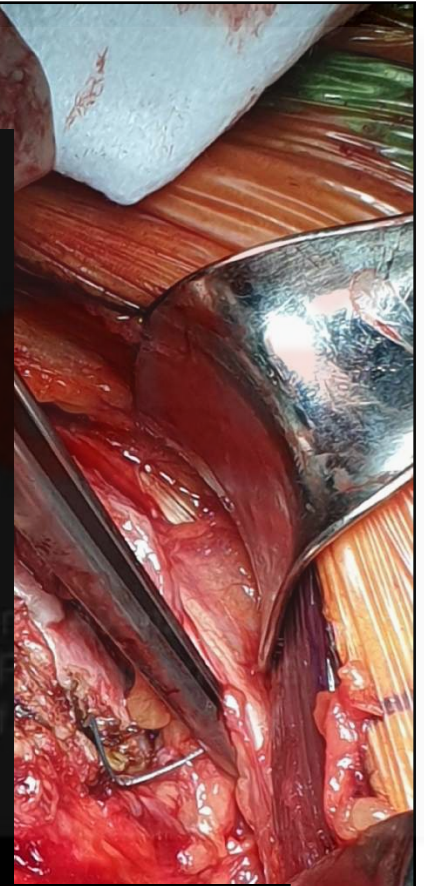
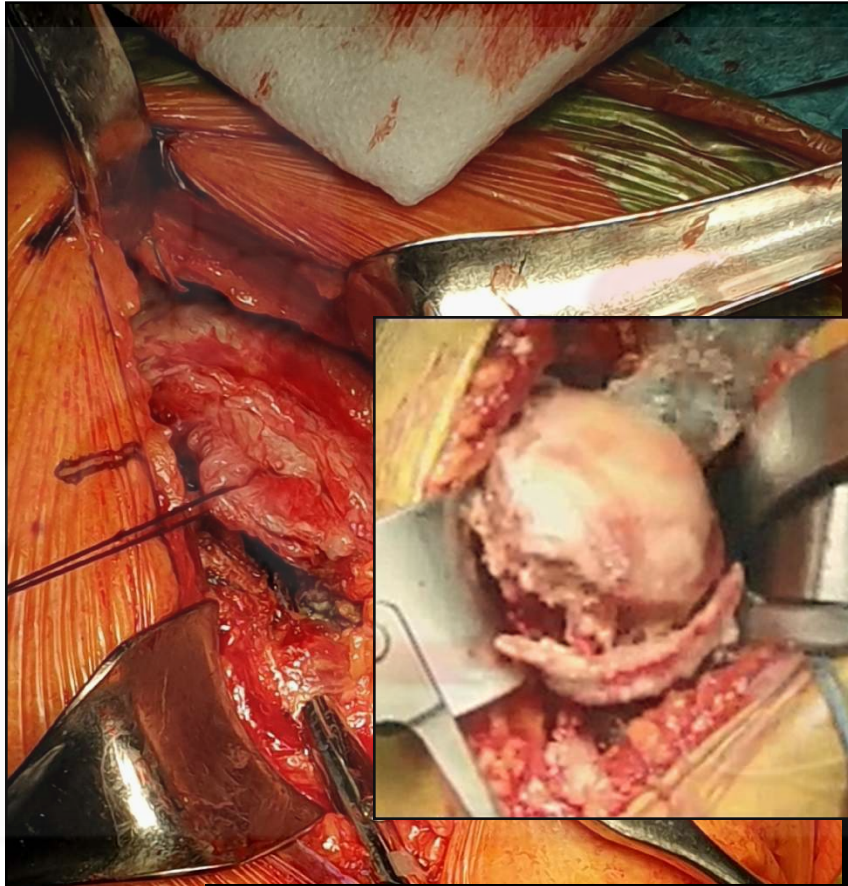
PROTESI ANATOMICA T&T 5- ESPOSIZIONE

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PROTESI ANATOMICA T&T 5- ESPOSIZIONE

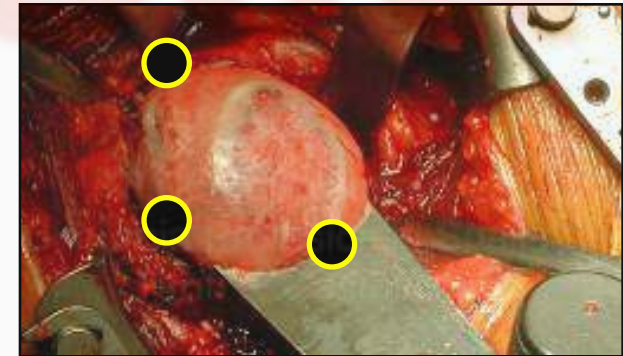
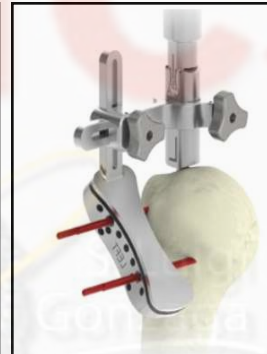
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RIMOZIONE OSTEOFITI

PROTESI ANATOMICA T&T 6- RESEZIONE EPIFISI

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**COLLO ANATOMICO: ALTEZZA,
INCLINAZIONE e VERSIONE**



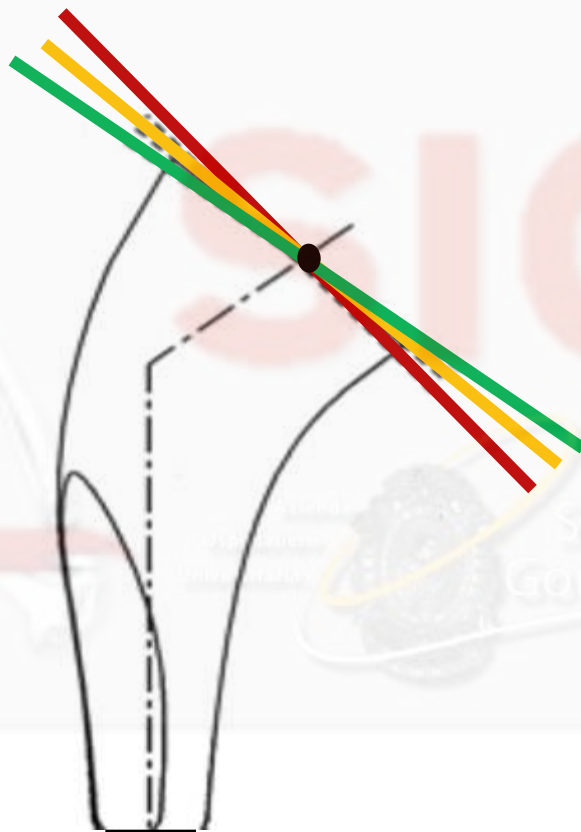
CS e G

Luigi
Maga

Il Corso Avanzato
Chirurgia Protetica di Spalla
Prof. F. Castoldi

PROTESI ANATOMICA T&T 6- RESEZIONE EPIFISI

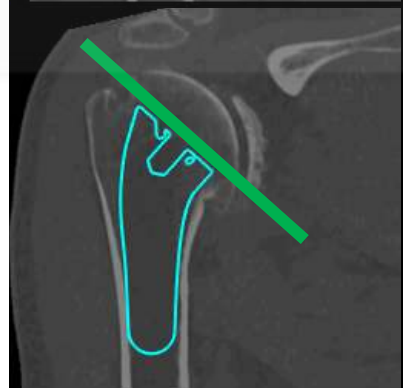
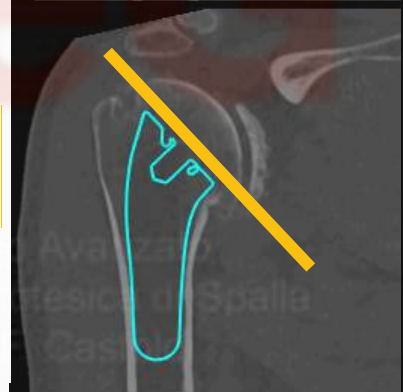
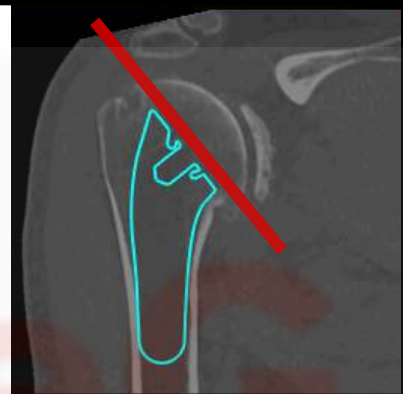
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A: 127.5°

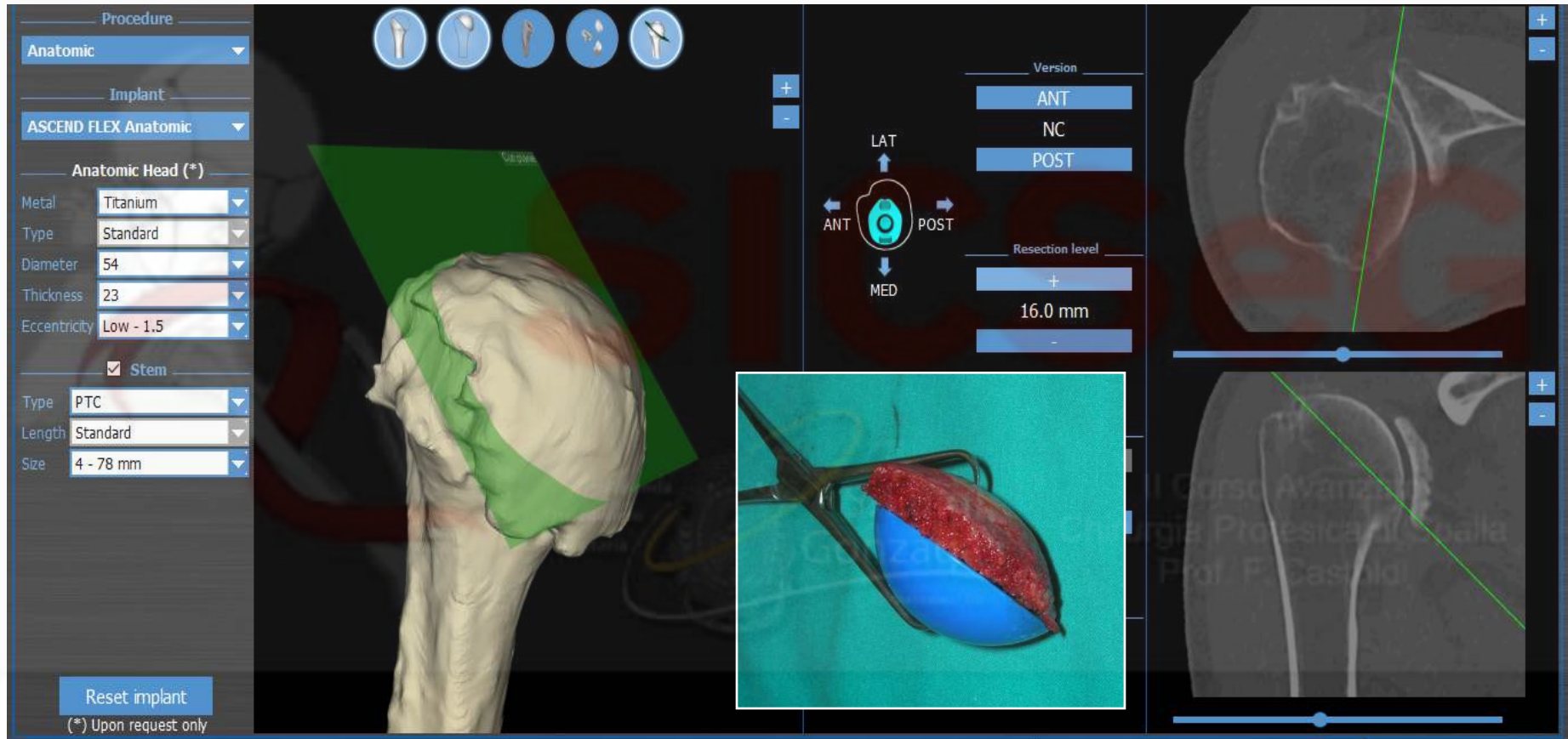
B: 132.5°

C: 137.5°



PROTESI ANATOMICA T&T 6- RESEZIONE EPIFISI

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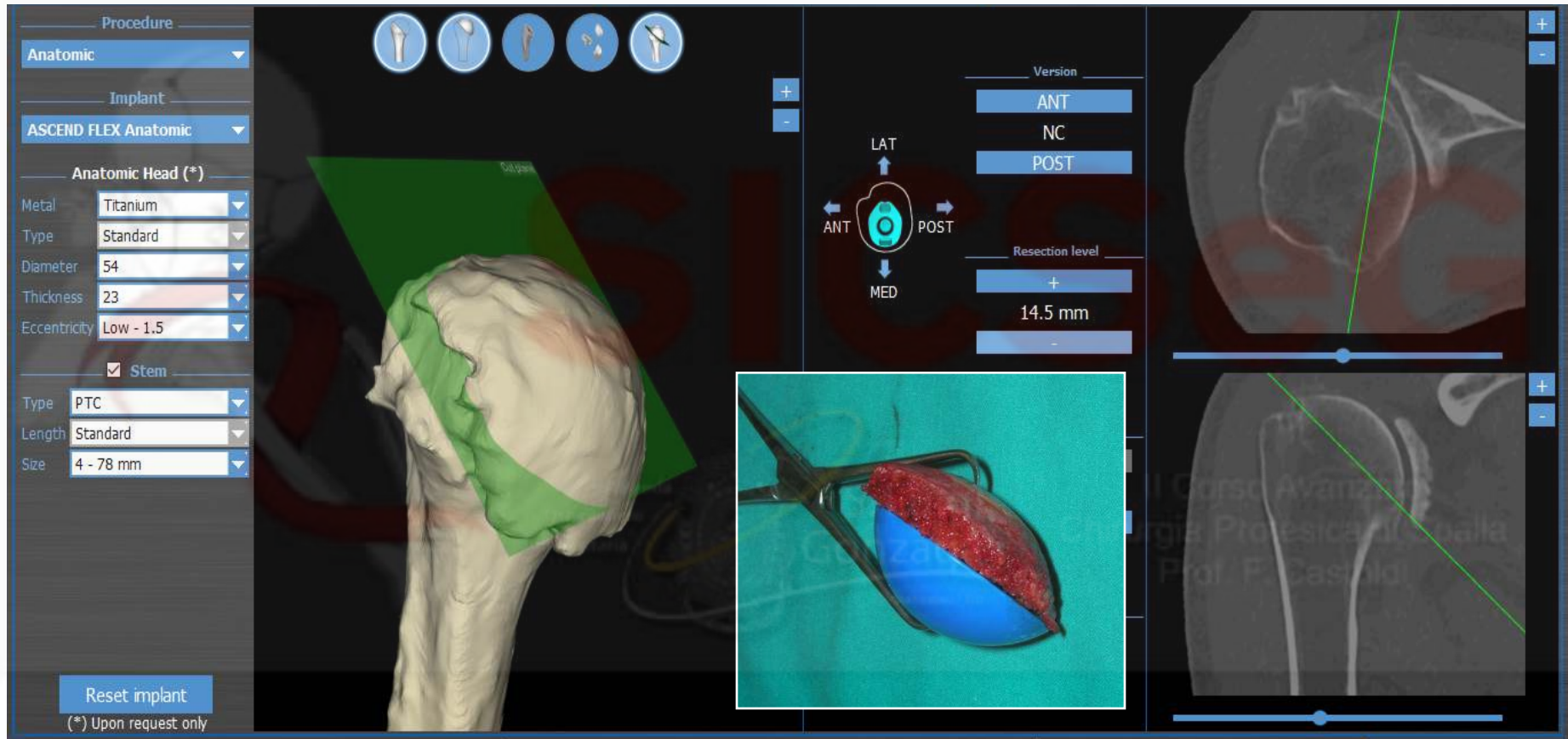


SPESSORE

PROTESI ANATOMICA T&T 6- RESEZIONE EPIFISI

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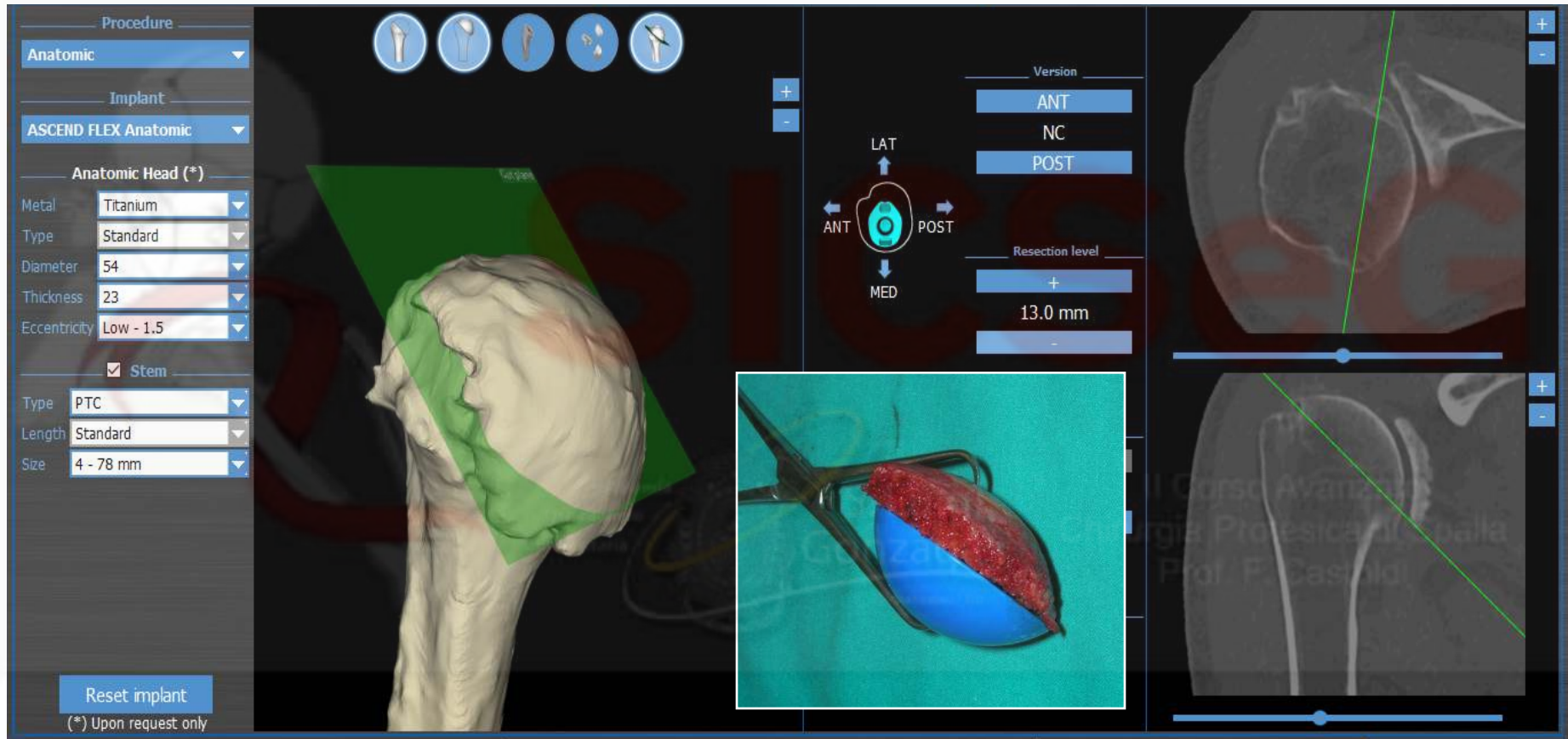


SPESSORE

PROTESI ANATOMICA T&T 6- RESEZIONE EPIFISI

CHIRURGIA
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DI SPALLA

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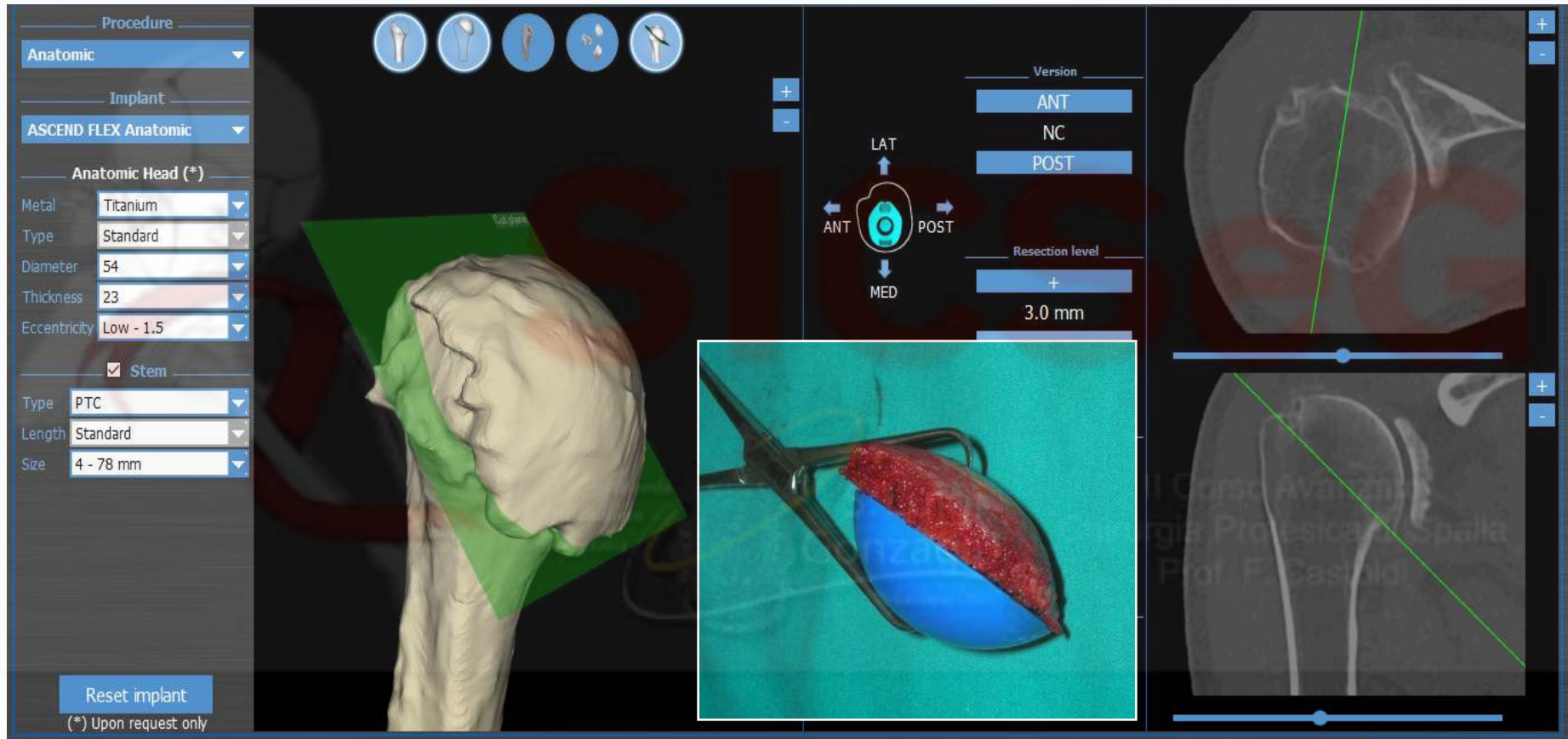


SPESSORE

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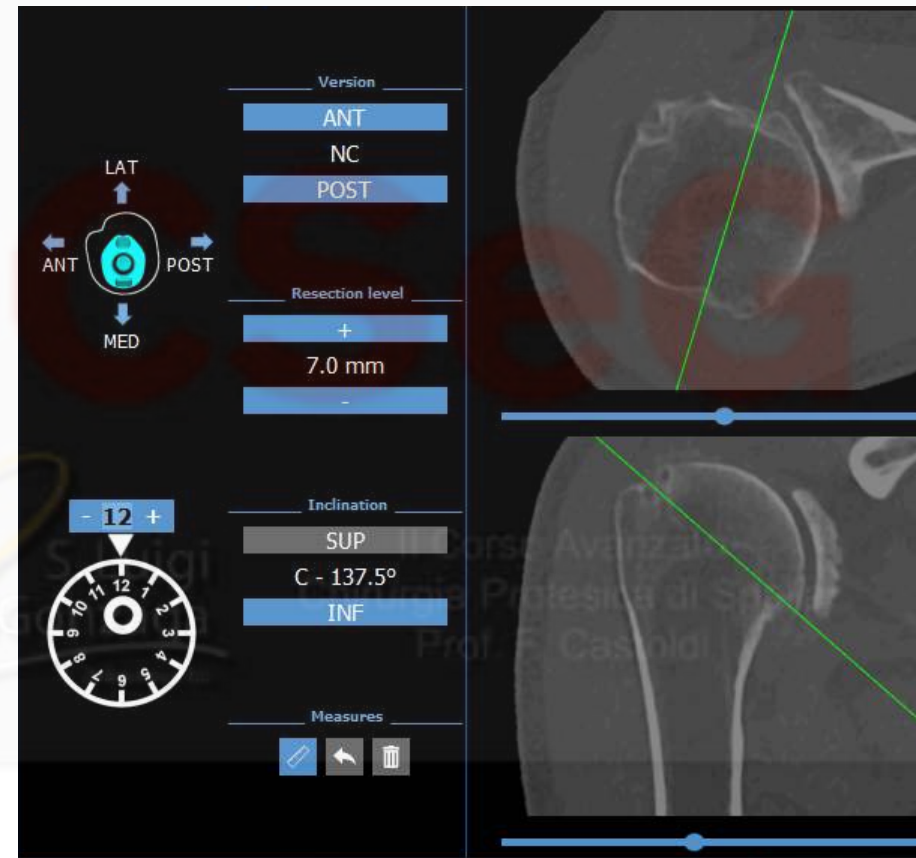
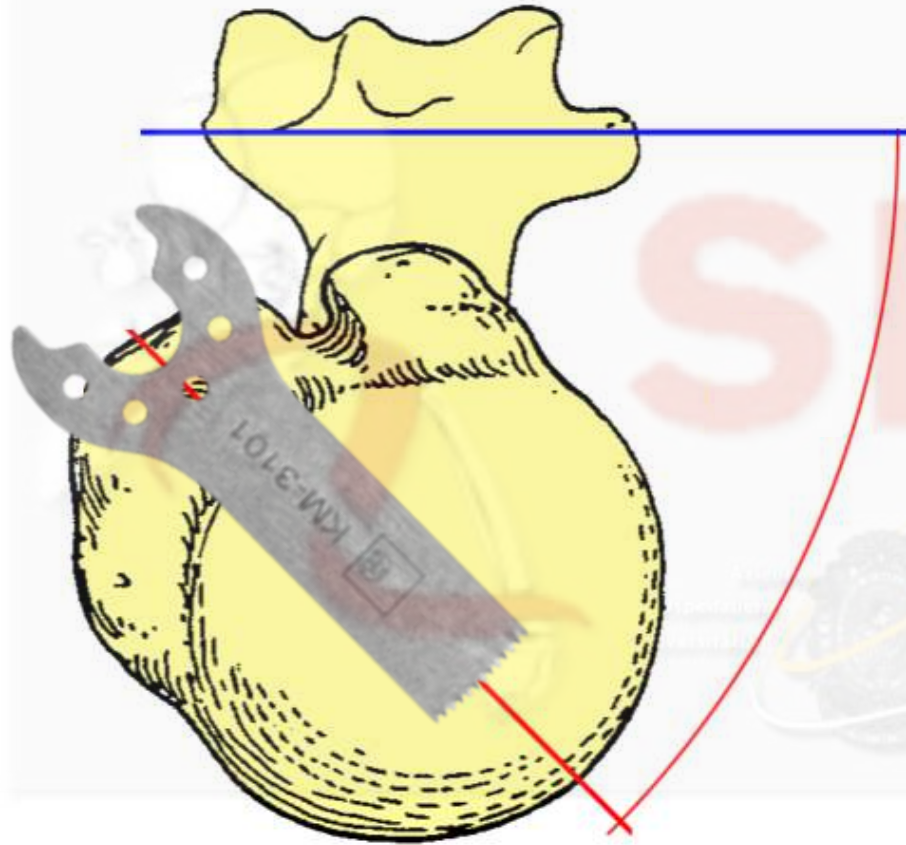


SPESSORE

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DI SPALLA

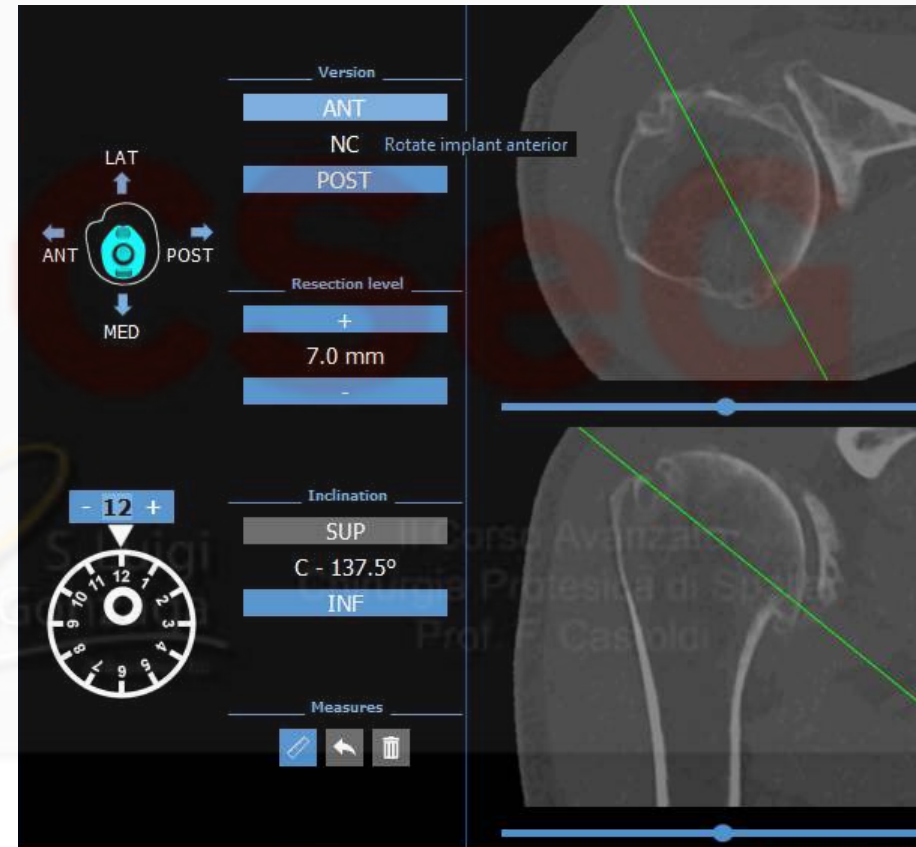
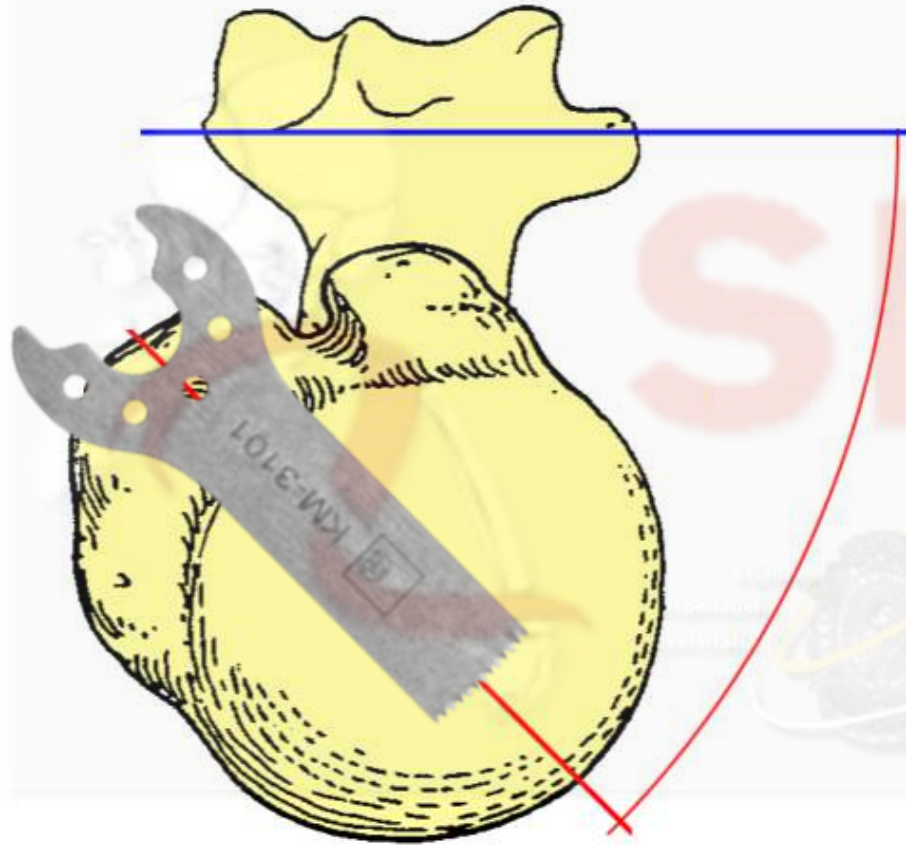
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VERSIONE

PROTESI ANATOMICA T&T 6- RESEZIONE EPIFISI

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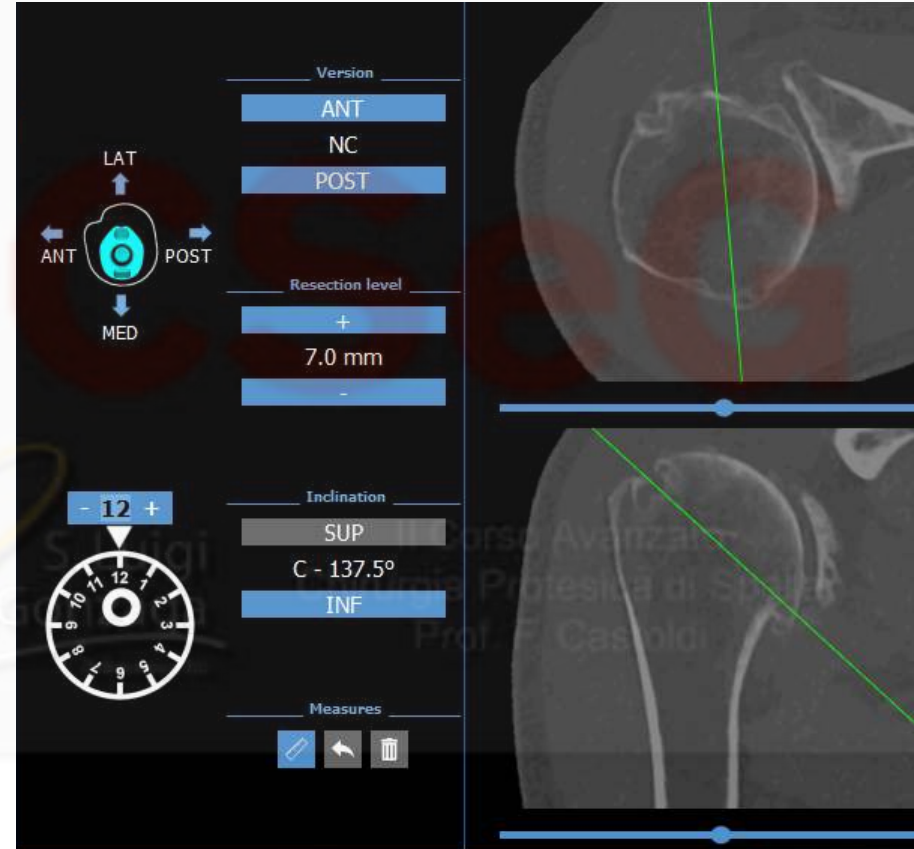
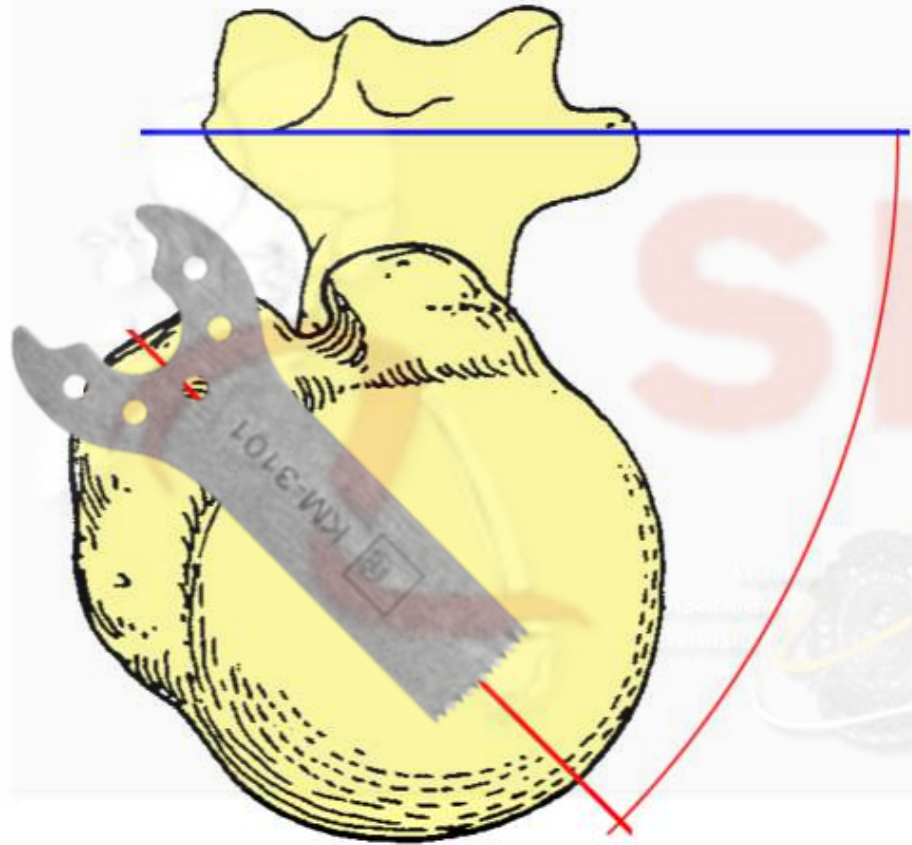


VERSIONE

PROTESI ANATOMICA T&T

6- RESEZIONE EPIFISI

CHIRURGIA
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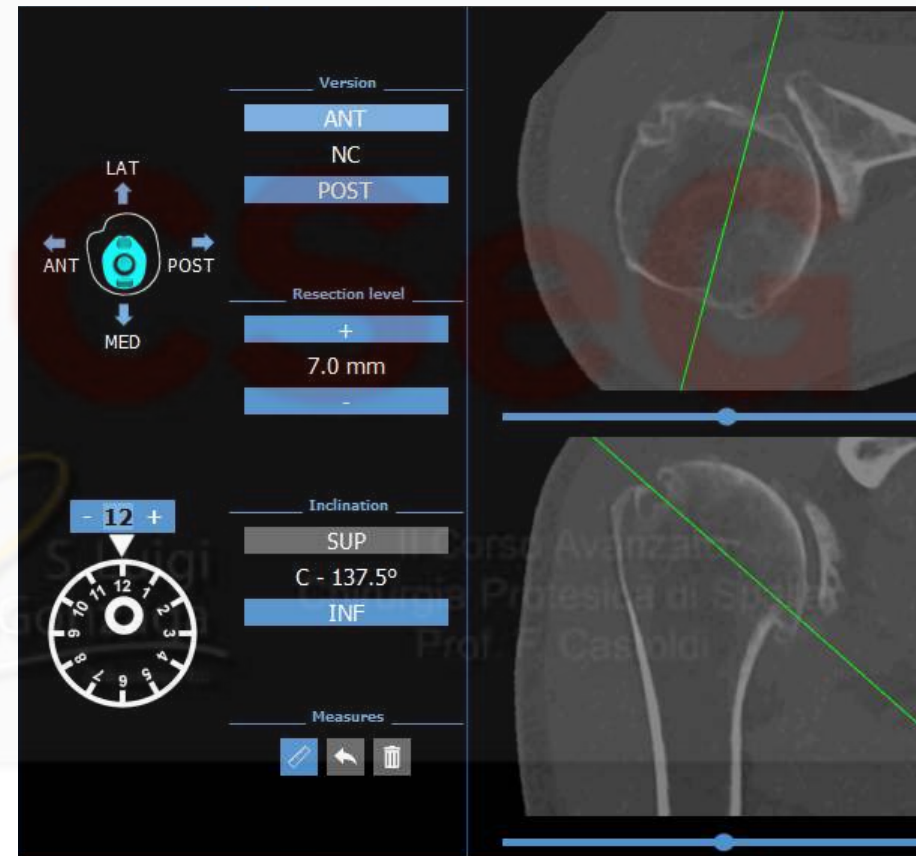
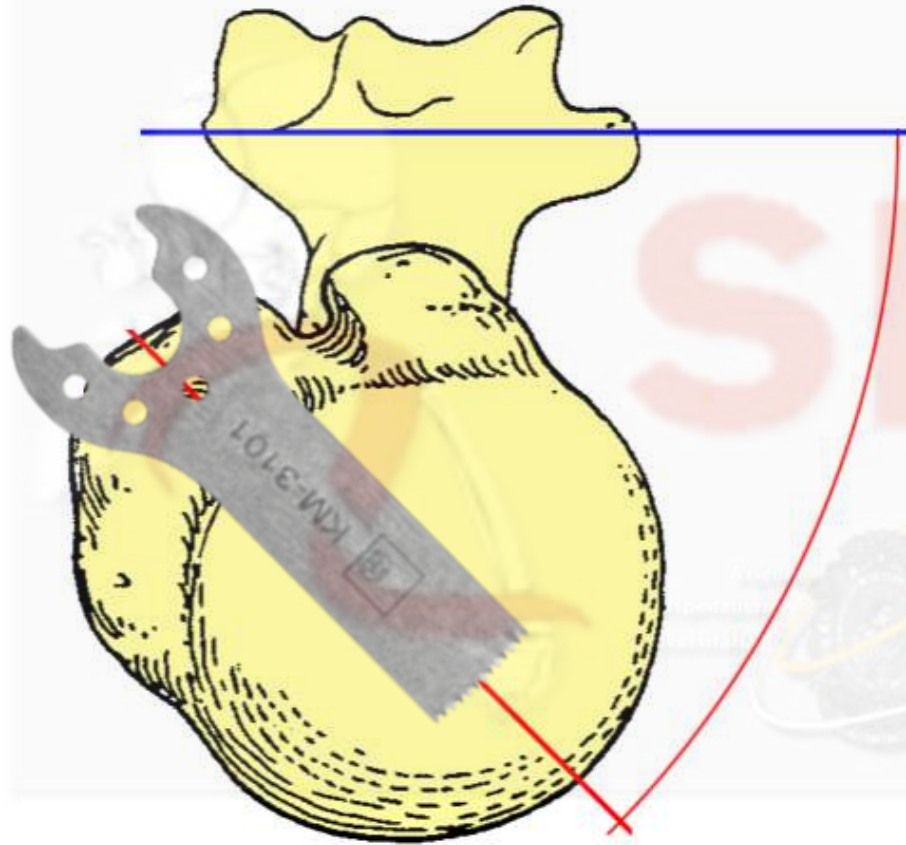


VERSIONE

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VERSIONE

PROTESI ANATOMICA T&T

7- PREPARAZ. OMERO

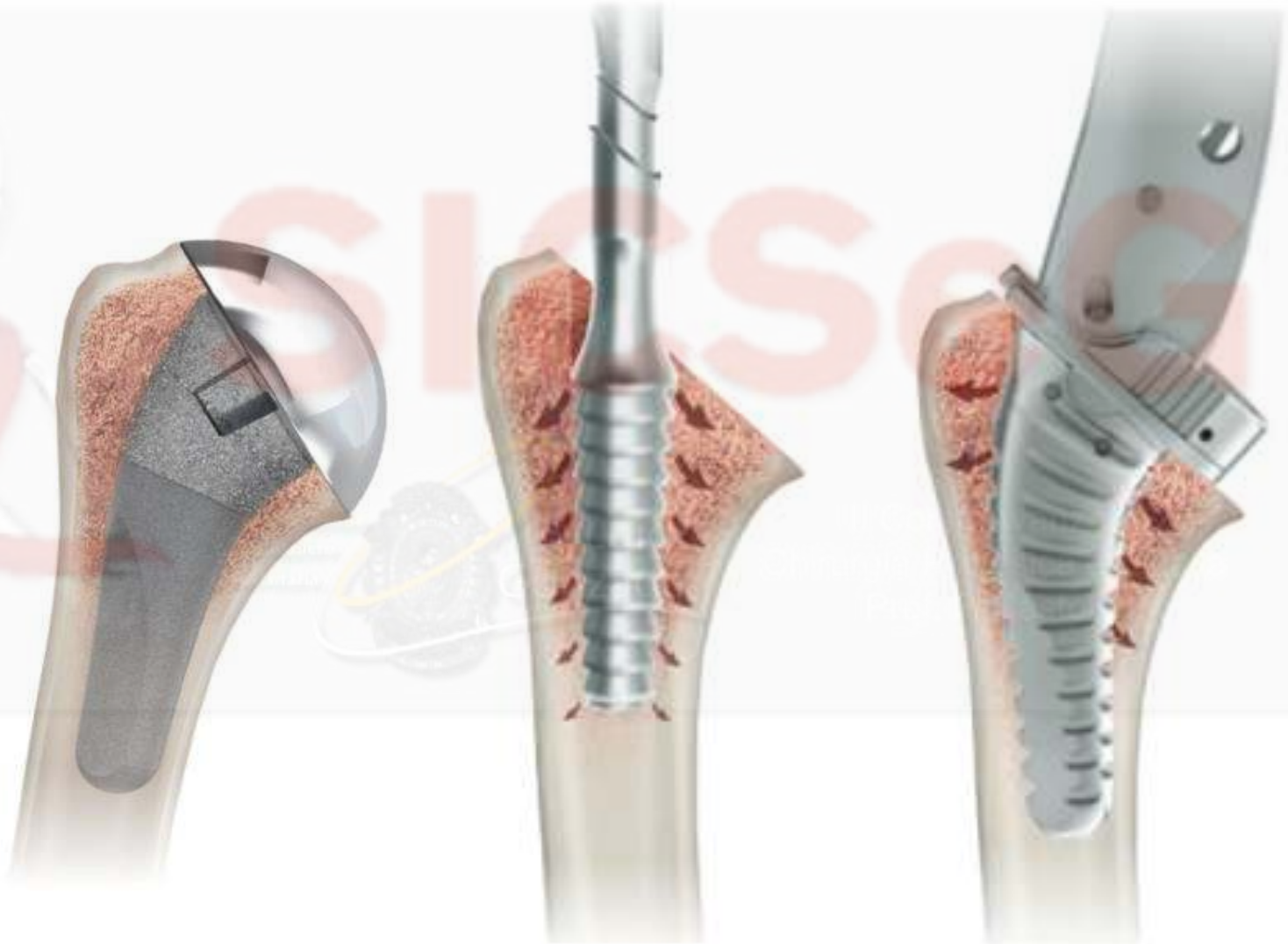
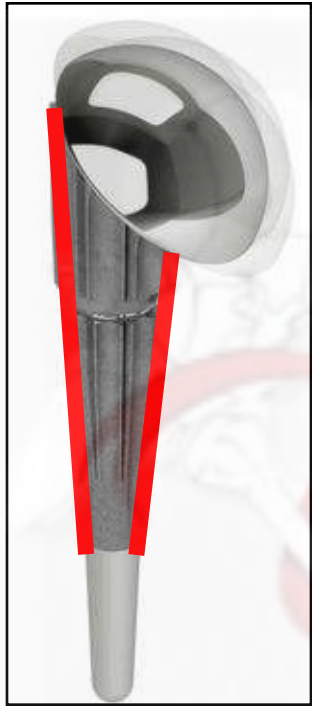
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PROTESI ANATOMICA T&T

7- PREPARAZ. OMERO

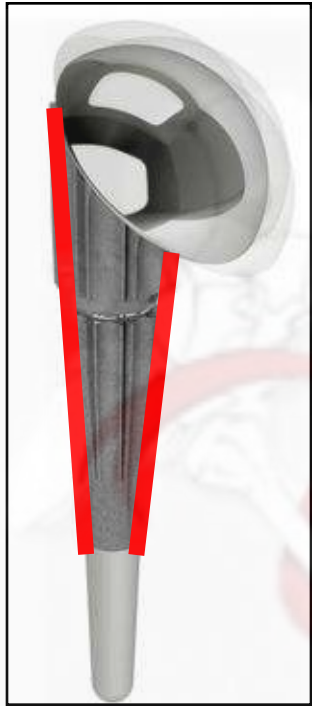
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PROTESI ANATOMICA T&T

7- PREPARAZ. OMERO

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PROTESI ANATOMICA T&T 8- STELO DI PROVA

CHIRURGIA
PROTESICA
DI SPALLA
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Procedure
Anatomic

Implant
ASCEND FLEX Anatomic

Anatomic Head (*)

Metal: **Titanium**

Type: **Standard**

Diameter: **54**

Thickness: **23**

Eccentricity: **Low - 1.5**

☒ Stem (*)

Type: **Cemented**

Length: **PTC**

Size: **4 - 74 mm**

Reset implant
(*) Upon request only

Version
ANT
NC
POST

Resection level
+
7.0 mm
-

Inclination
SUP
A - 127.5°
INF

Measures

27°
5°
on 82 %

Continue to guide d

STELO

PROTESI ANATOMICA T&T 8- STELO DI PROVA

CHIRURGIA
PROTESICA
DI SPALLA
Live and relive surgery



Procedure: **Anatomic**

Implant: **ASCEND FLEX Anatomic**

Anatomic Head (*)

Metal: **Titanium**

Type: **Standard**

Diameter: **54**

Thickness: **23**

Eccentricity: **Low - 1.5**

☒ Stem

Type: **PTC**

Length: **Standard**

Size: **1 - 66 mm**

Reset implant
(*) Upon request only

Version: **ANT**, **NC**, **POST**

Resection level: **+**, **7.0 mm**, **-**

Inclination: **SUP**, **B - 132.5°**, **INF**

Measures:

27°
5°
on 82 %

Continue to guide d

STELO

PROTESI ANATOMICA T&T 8- STELO DI PROVA

CHIRURGIA
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DI SPALLA
Live and relive surgery



Procedure
Anatomic

Implant
ASCEND FLEX Anatomic

Anatomic Head (*)

Metal: Titanium

Type: Standard

Diameter: 54

Thickness: 23

Eccentricity: Low - 1.5

☒ Stem

Type: PTC

Length: Standard

Size: 4 - 78 mm

Reset implant
(*) Upon request only

Version
ANT
NC
POST

Resection level
+
7.0 mm
-

Inclination
SUP
B - 132.5°
INF

Measures
[Icon] [Icon] [Icon]

27°
5°
on 82 %

Continue to guide d

STELO

PROTESI ANATOMICA T&T 8- STELO DI PROVA

CHIRURGIA
PROTESICA
DI SPALLA
Live and relive surgery



Procedure: **Anatomic**

Implant: **ASCEND FLEX Anatomic**

Anatomic Head (*)

Metal: **Titanium**

Type: **Standard**

Diameter: **54**

Thickness: **23**

Eccentricity: **Low - 1.5**

☒ Stem

Type: **PTC**

Length: **Standard**

Size: **8 - 94 mm**

Reset implant
(*) Upon request only

Version: **ANT**, **NC**, **POST**

Resection level: **+**, **7.0 mm**, **-**

Inclination: **SUP**, **B - 132.5°**, **INF**

Measures:

27°
5°
on 82 %

Continue to guide d

STELO

PROTESI ANATOMICA T&T 8- STELO DI PROVA

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Il Corso Avanzato
Chirurgia Protetica di Spalla
Prof. F. Castoldi

STABILITA' IN ROTAZIONE

PROTESI ANATOMICA T&T 8- STELO DI PROVA

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Live and relive surgery

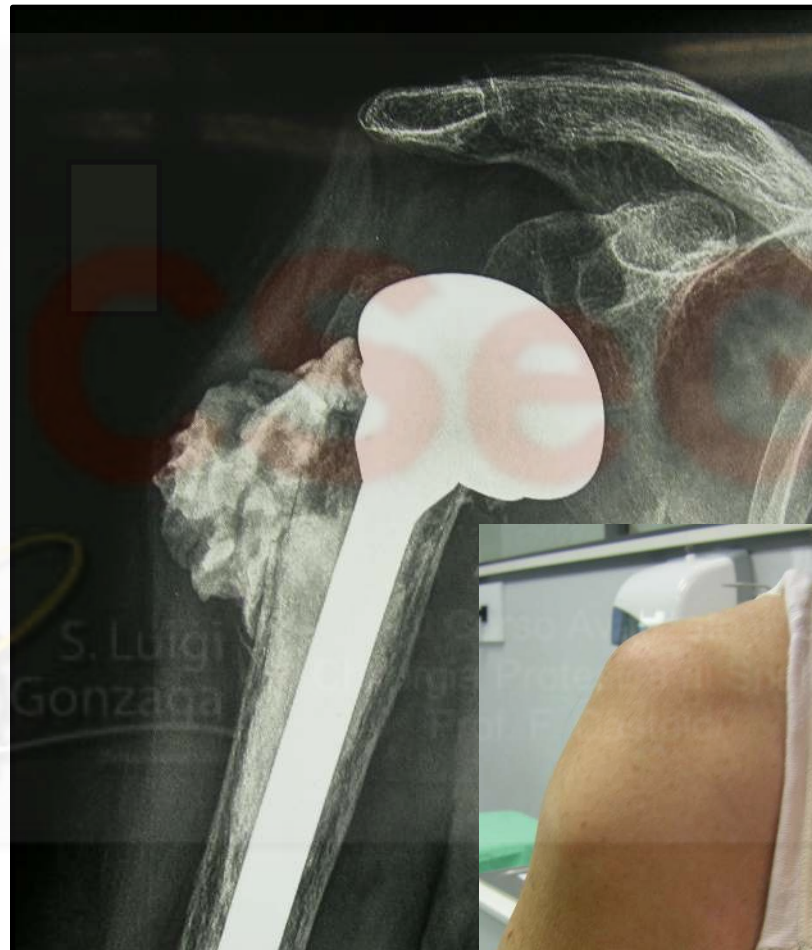
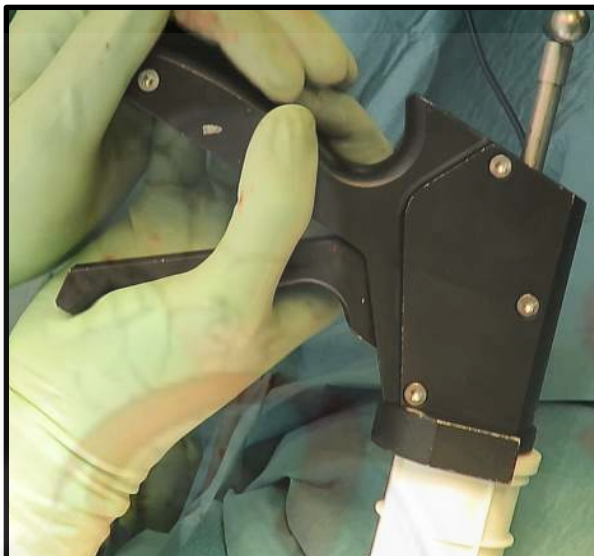


STABILITA' IN ROTAZIONE

PROTESI ANATOMICA T&T CEMENTATAZIONE

CHIRURGIA
PROTESICA
DI SPALLA

Live and relive surgery



PROTESI ANATOMICA T&T

9- SCELTA EPIFISI

CHIRURGIA
PROTESICA
DI SPALLA
Live and relive surgery



Procedure

Anatomic

Implant

ASCEND FLEX Anatomic

Anatomic Head (*)

Metal: Titanium

Type: Standard

Diameter: 41

Thickness: 41

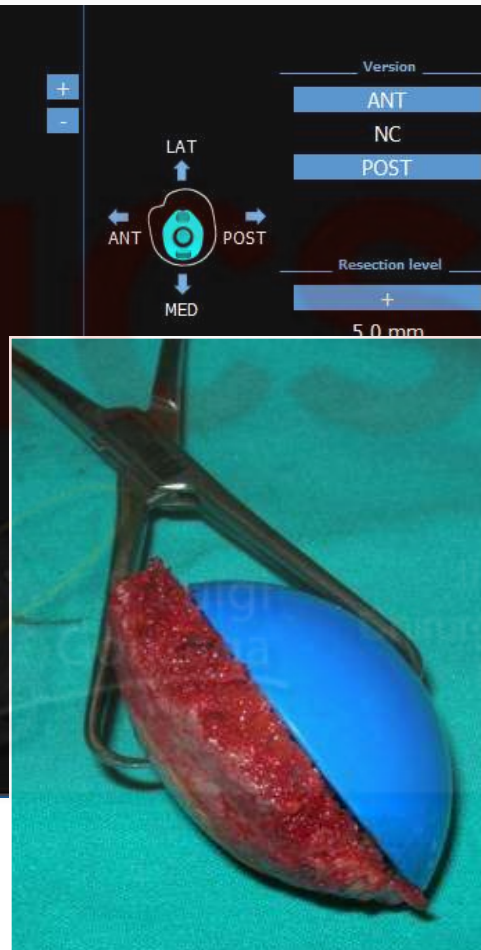
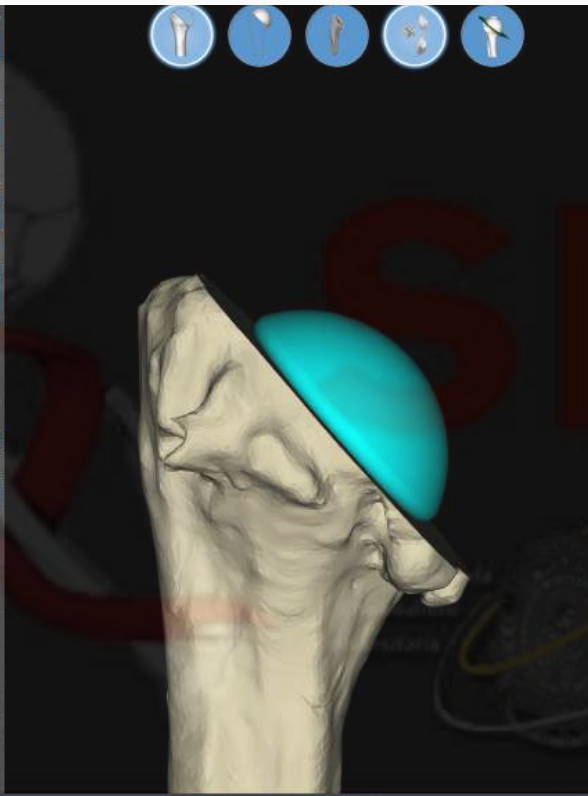
Eccentricity: 43

Type: PTC

Length: Standard

Size: 4 - 78 mm

Reset implant
(*) Upon request only



TESTA



TESTA

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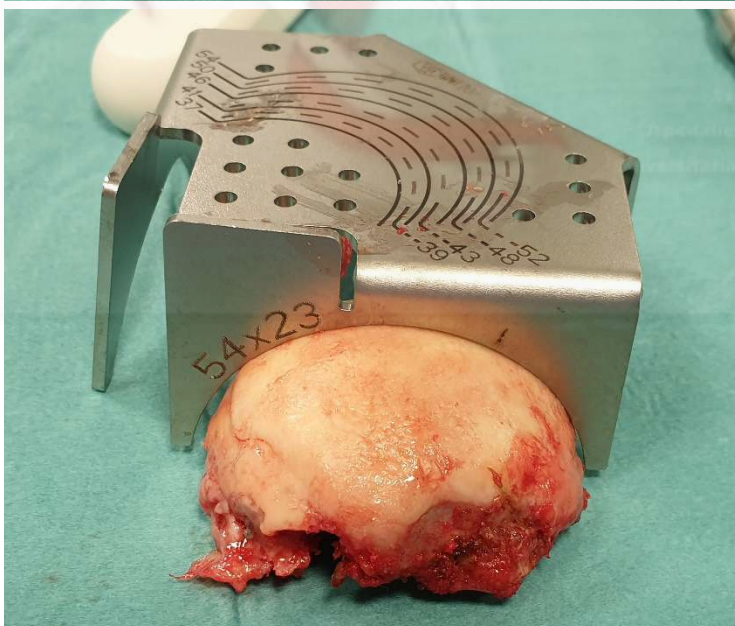
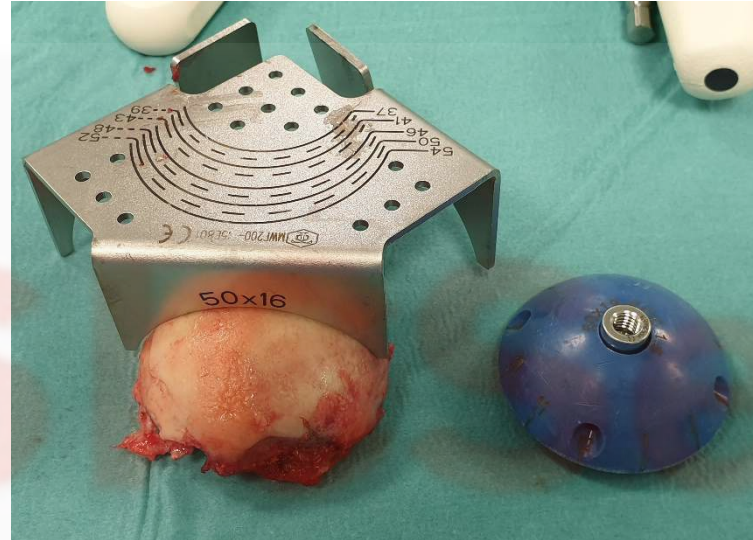
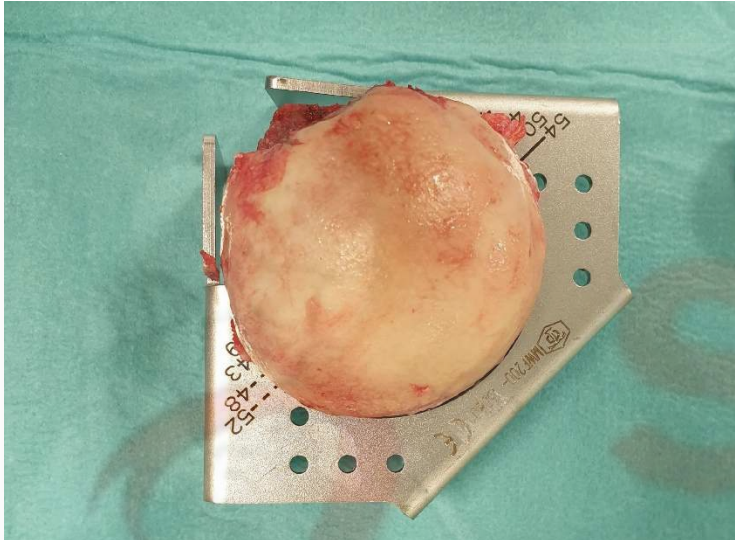


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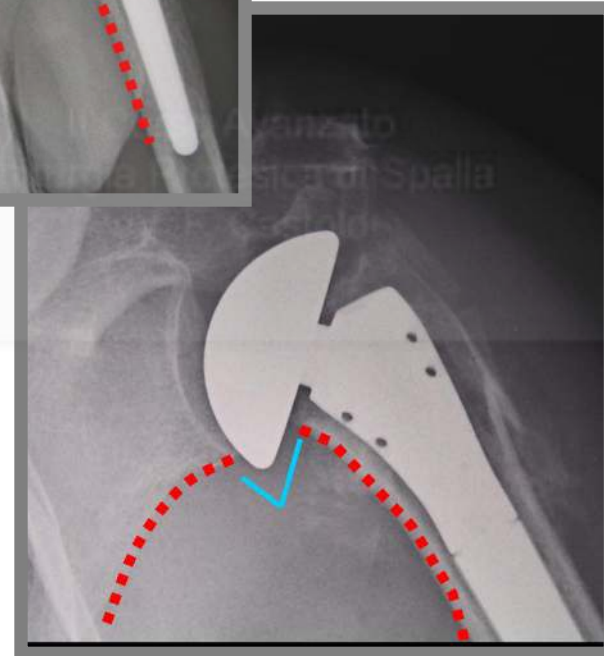
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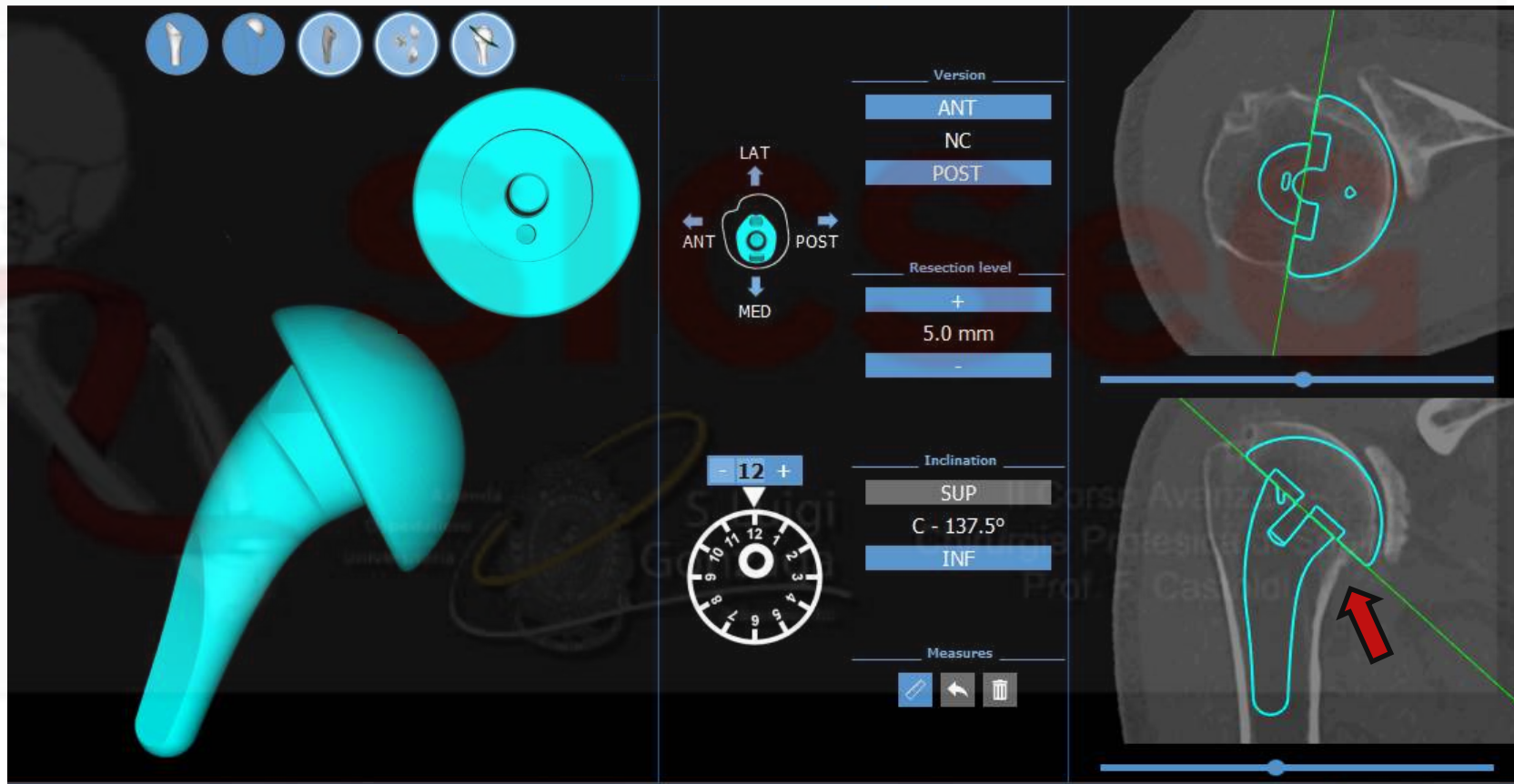


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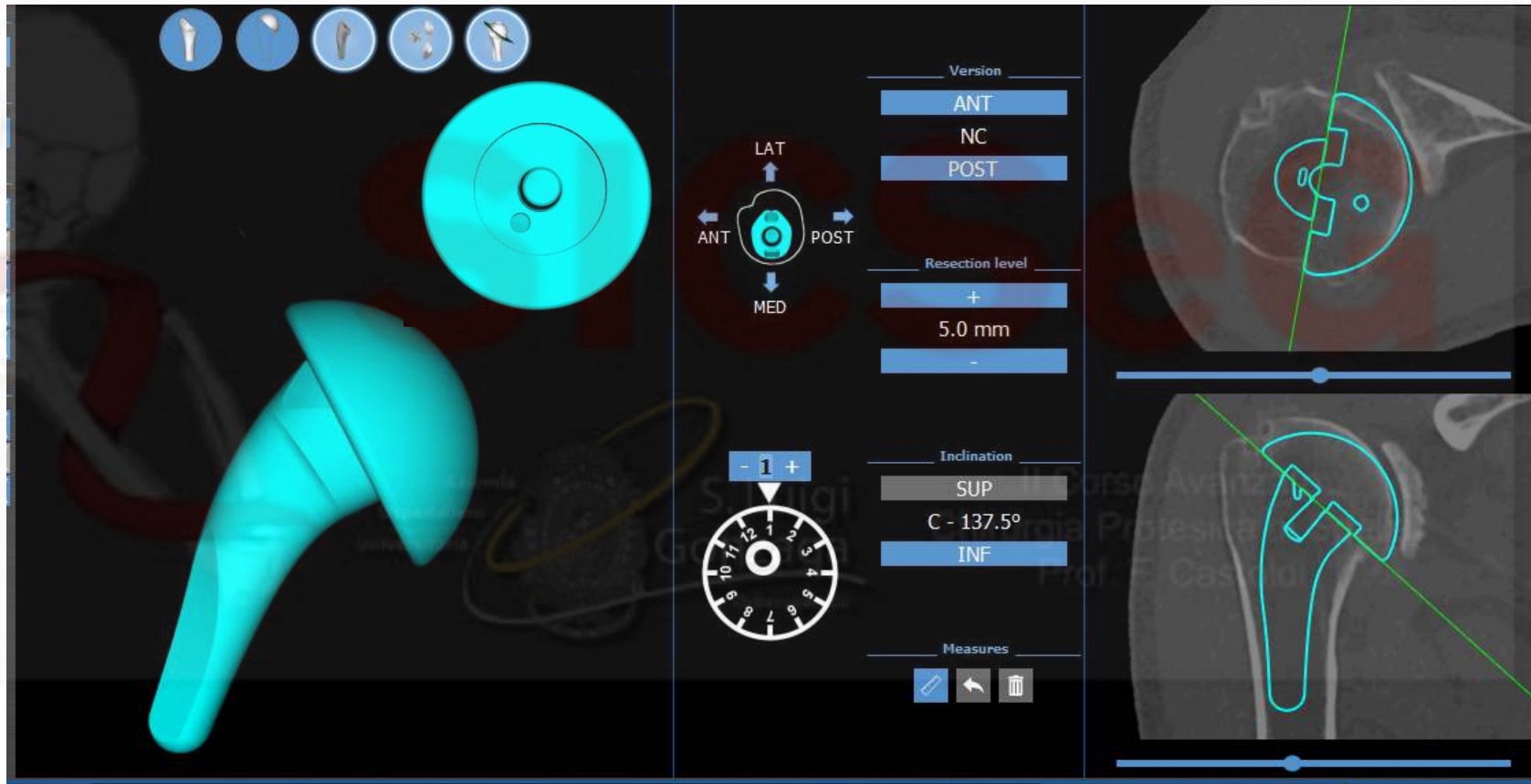


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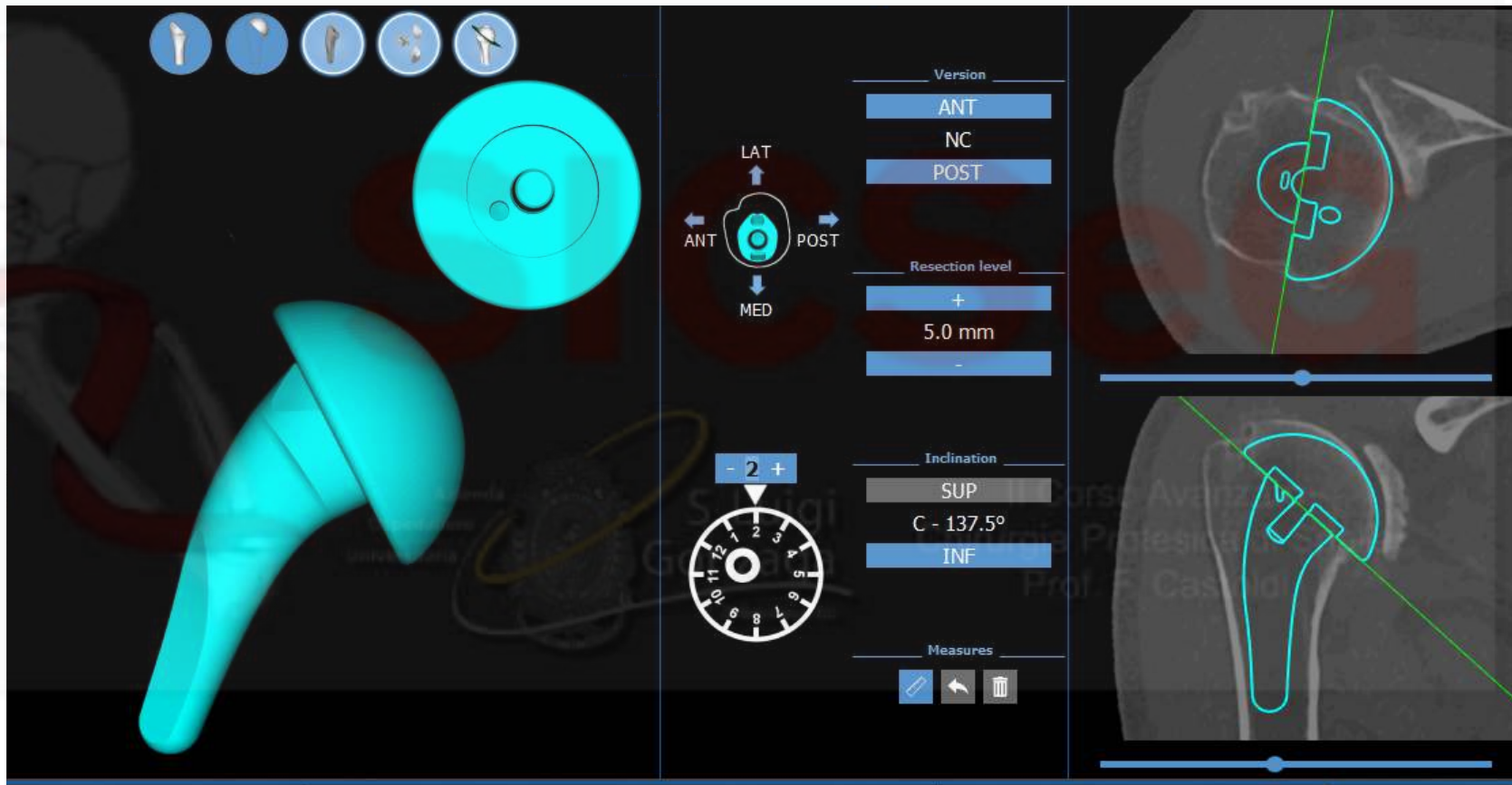
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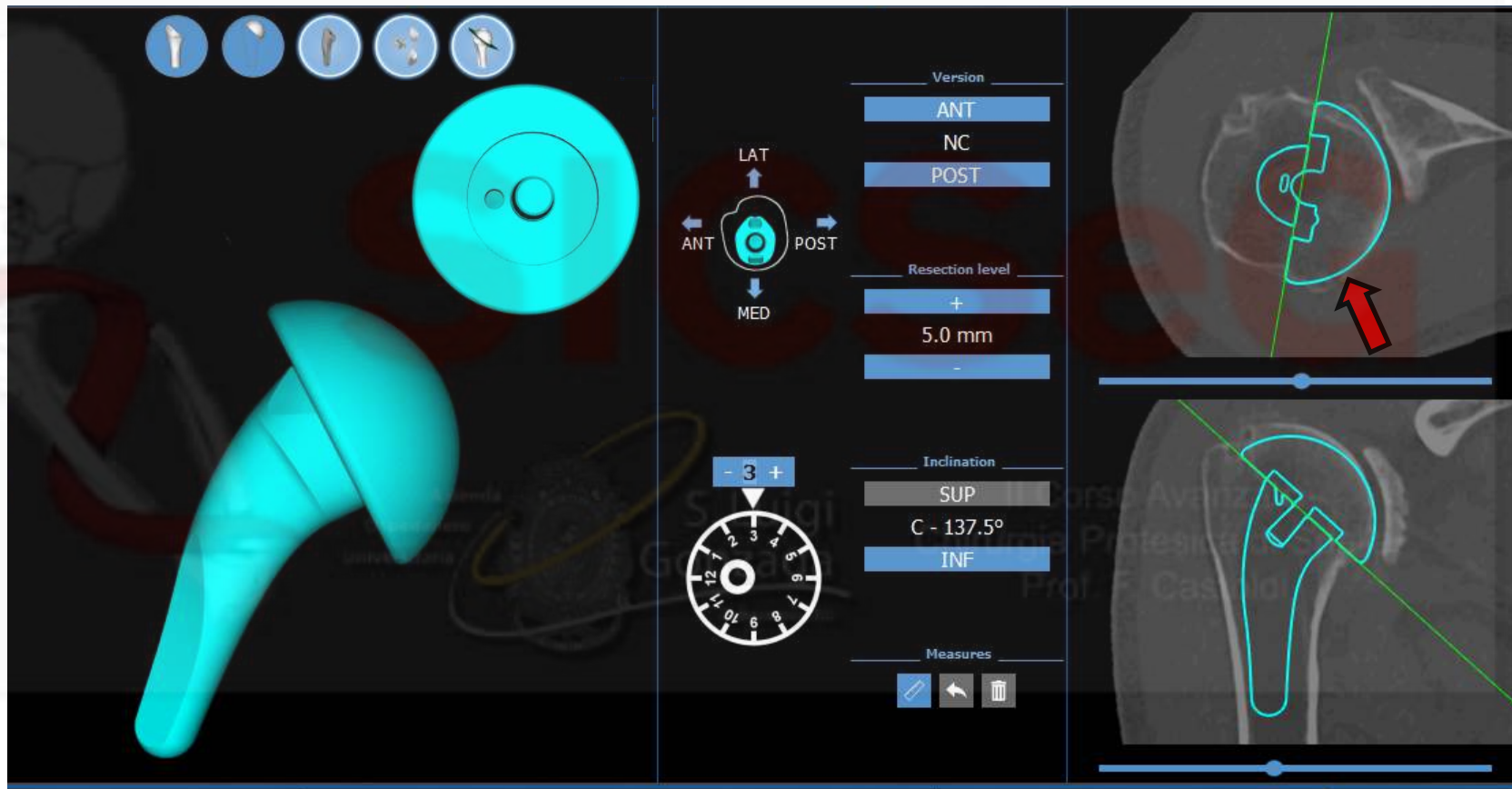
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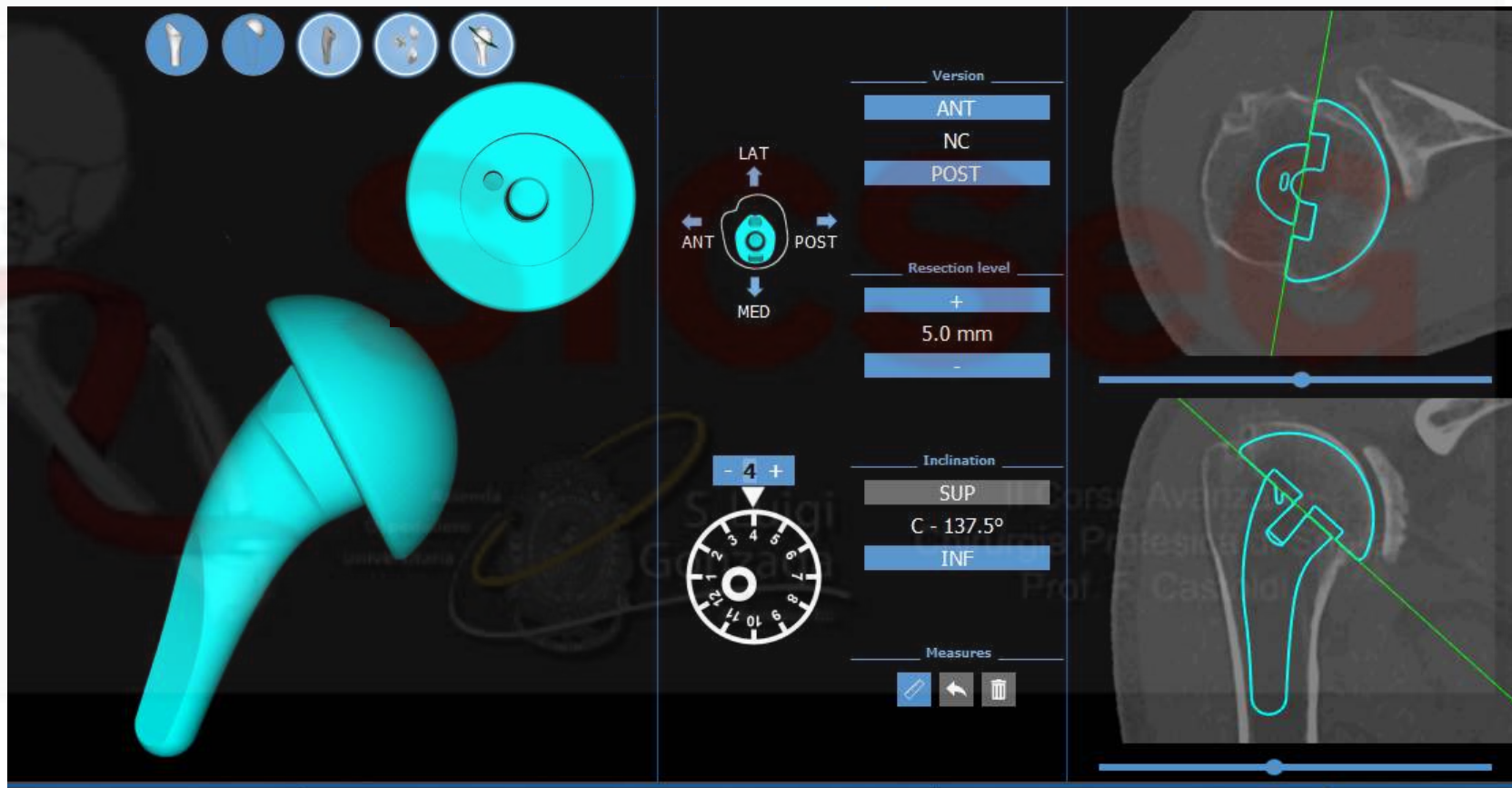
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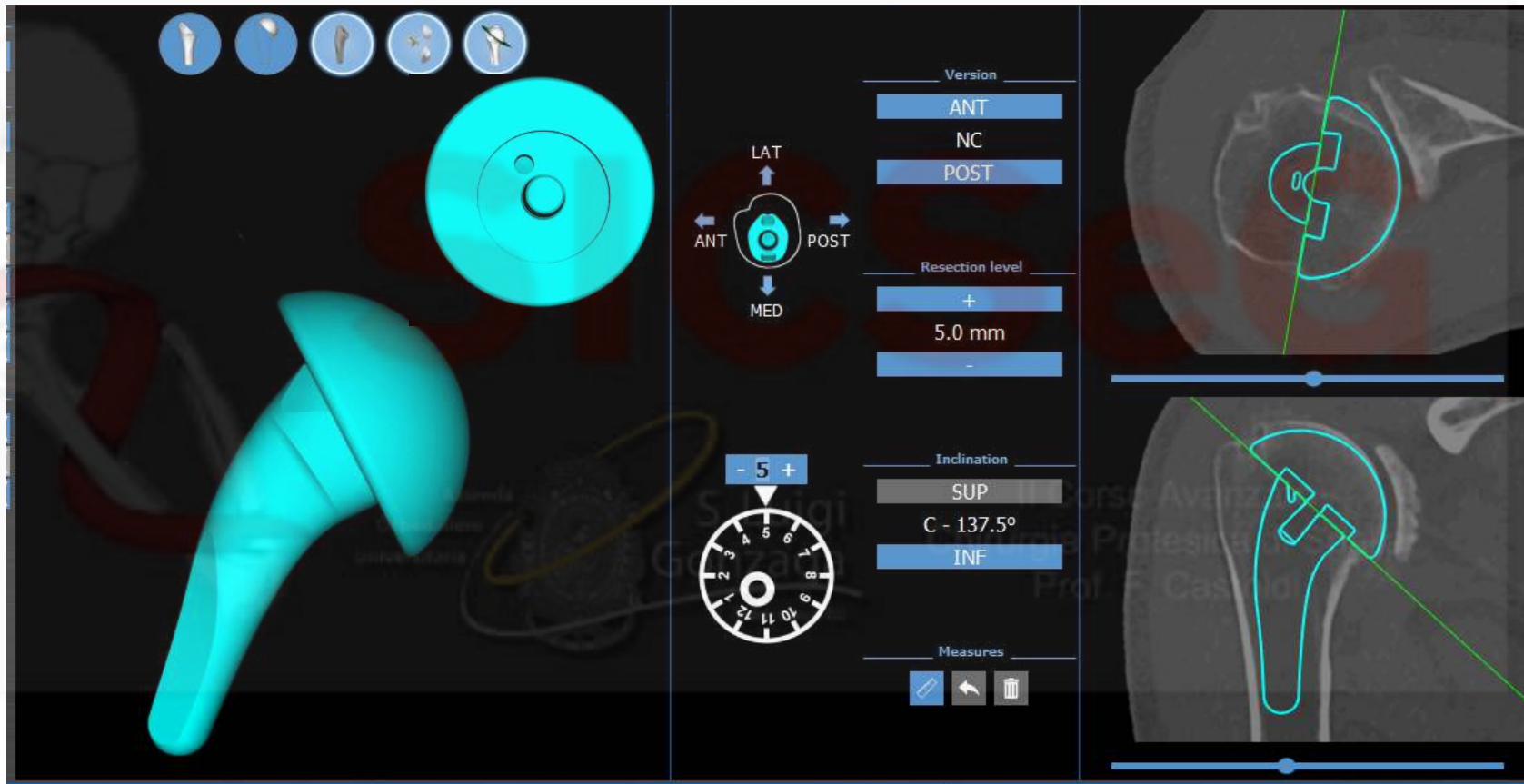
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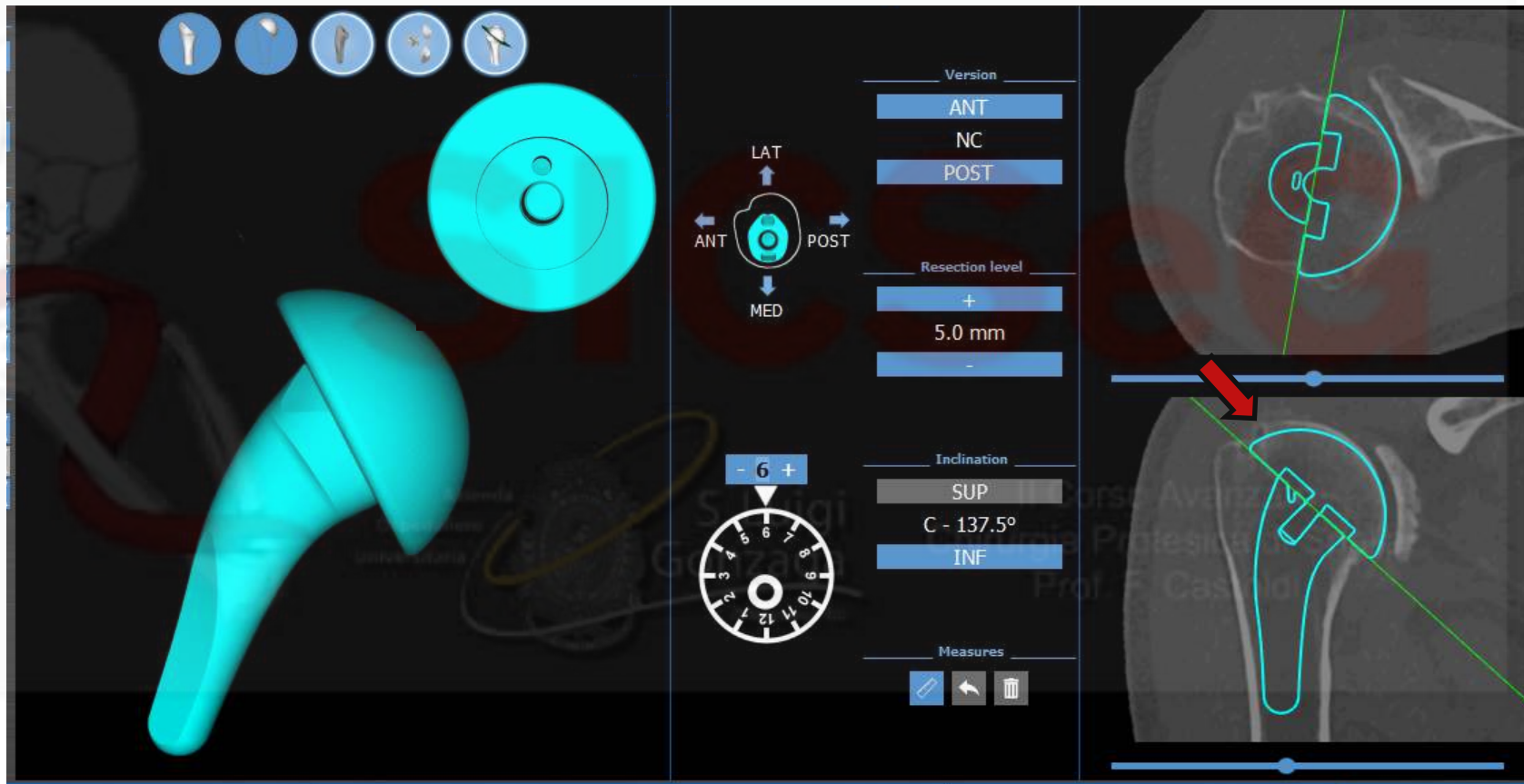
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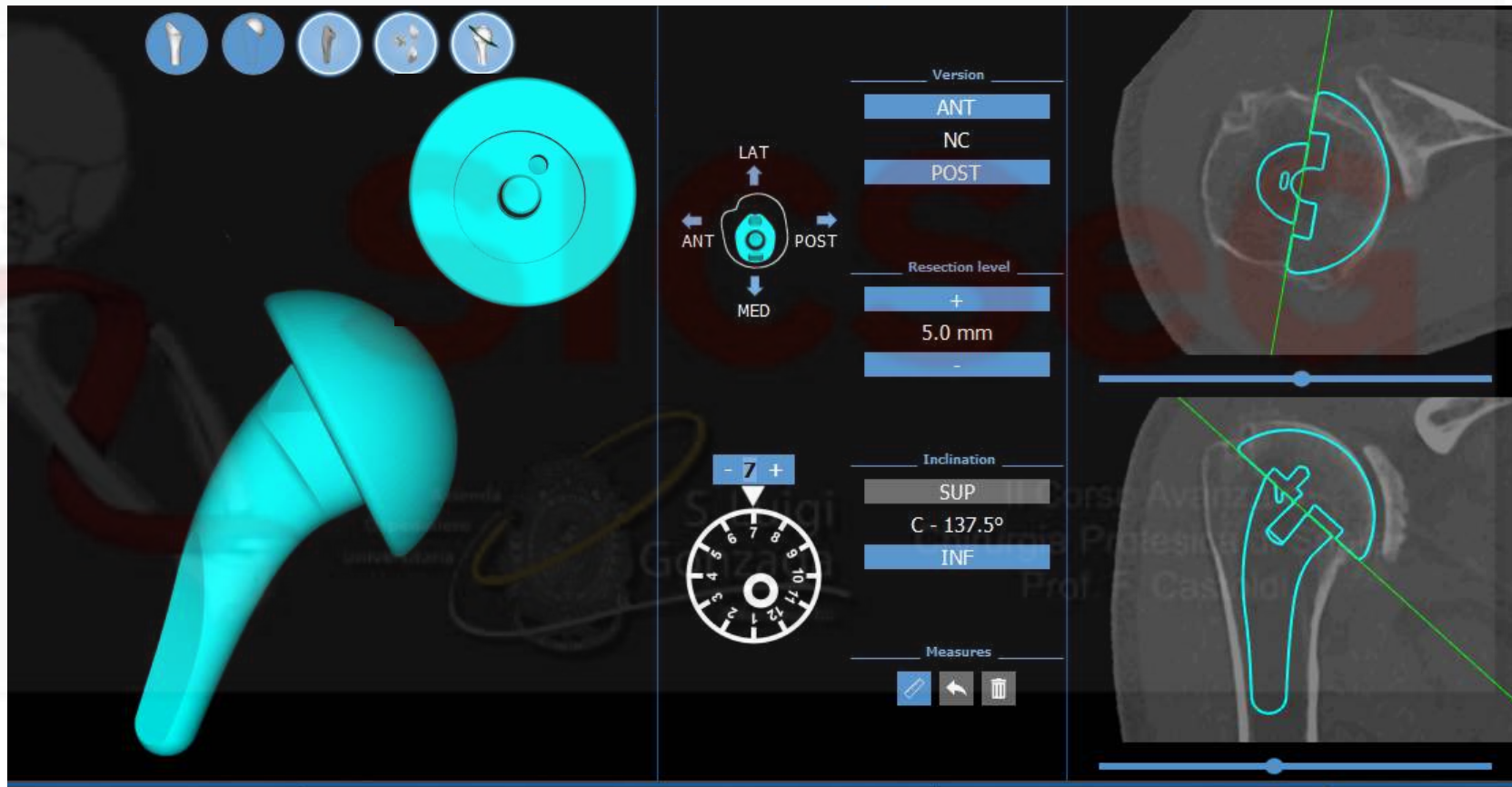
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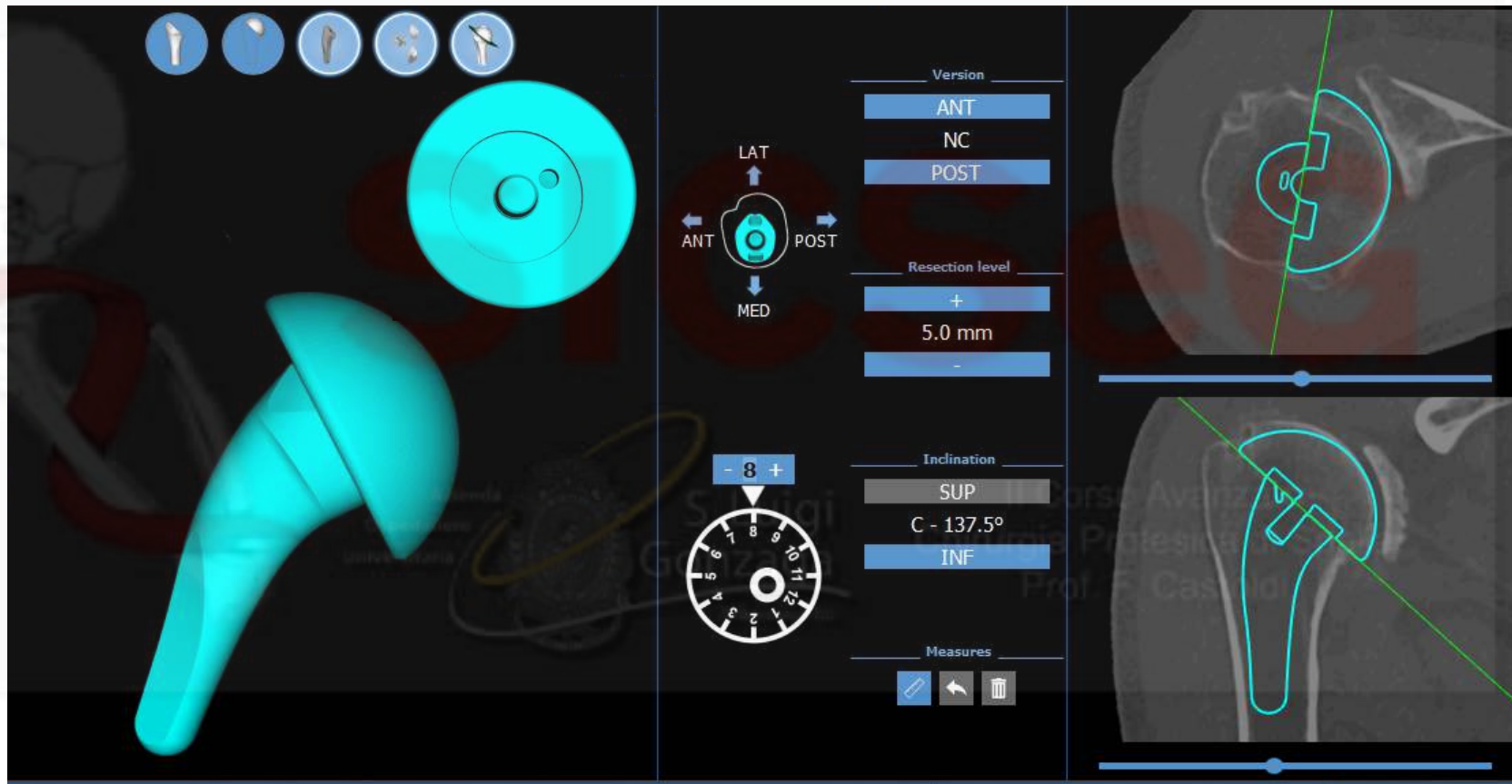
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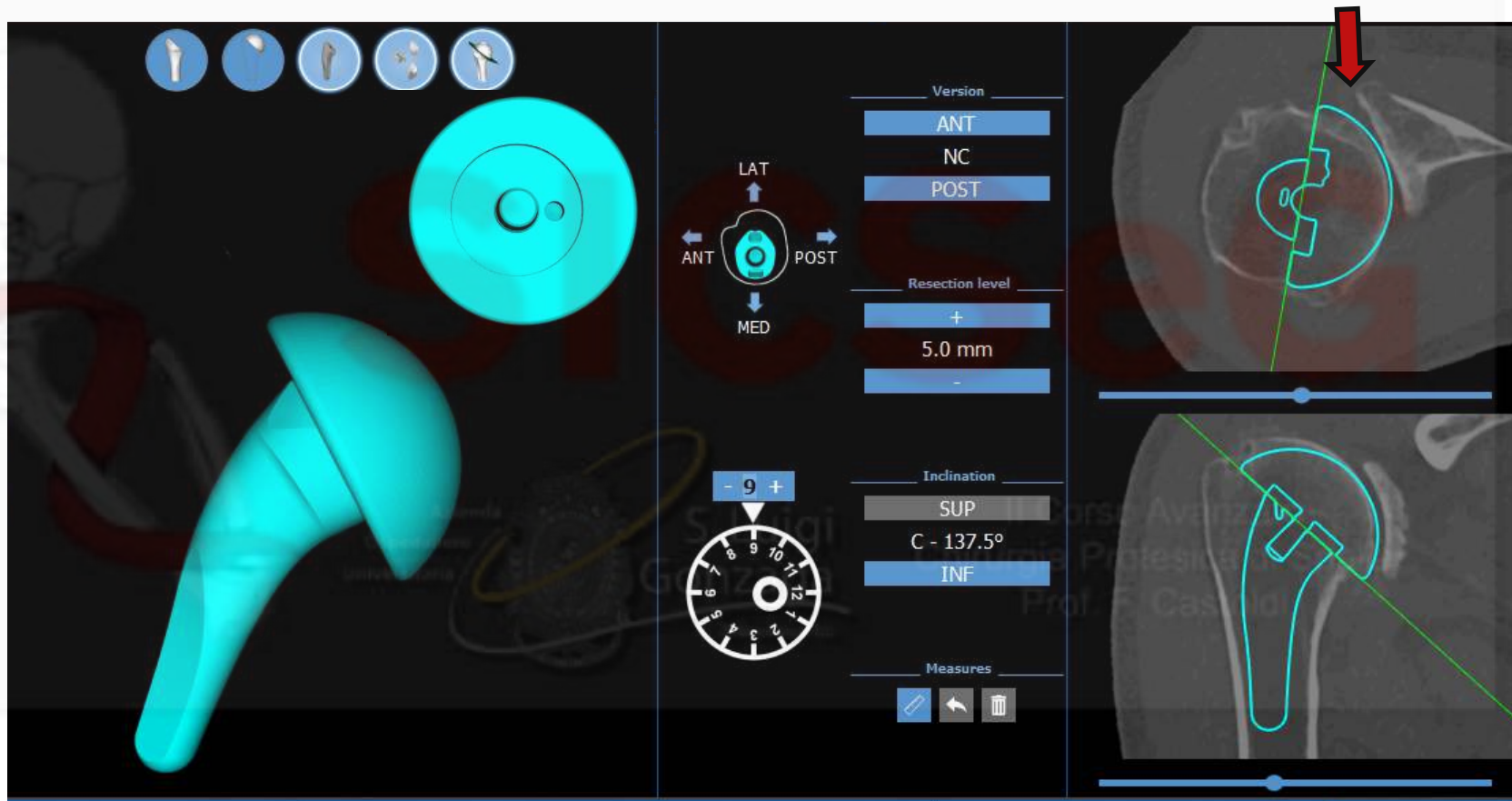
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PROTESICA
DI SPALLA

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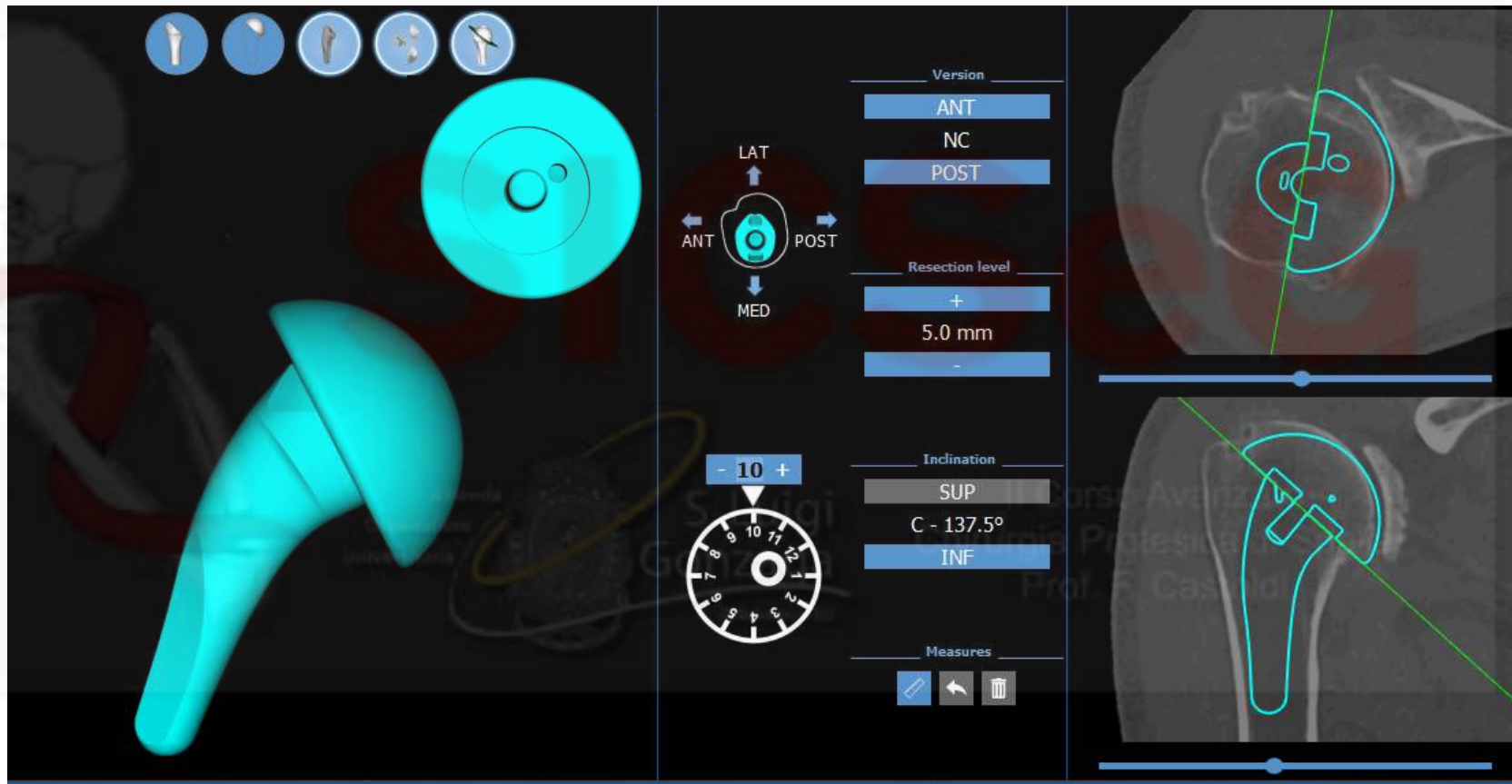
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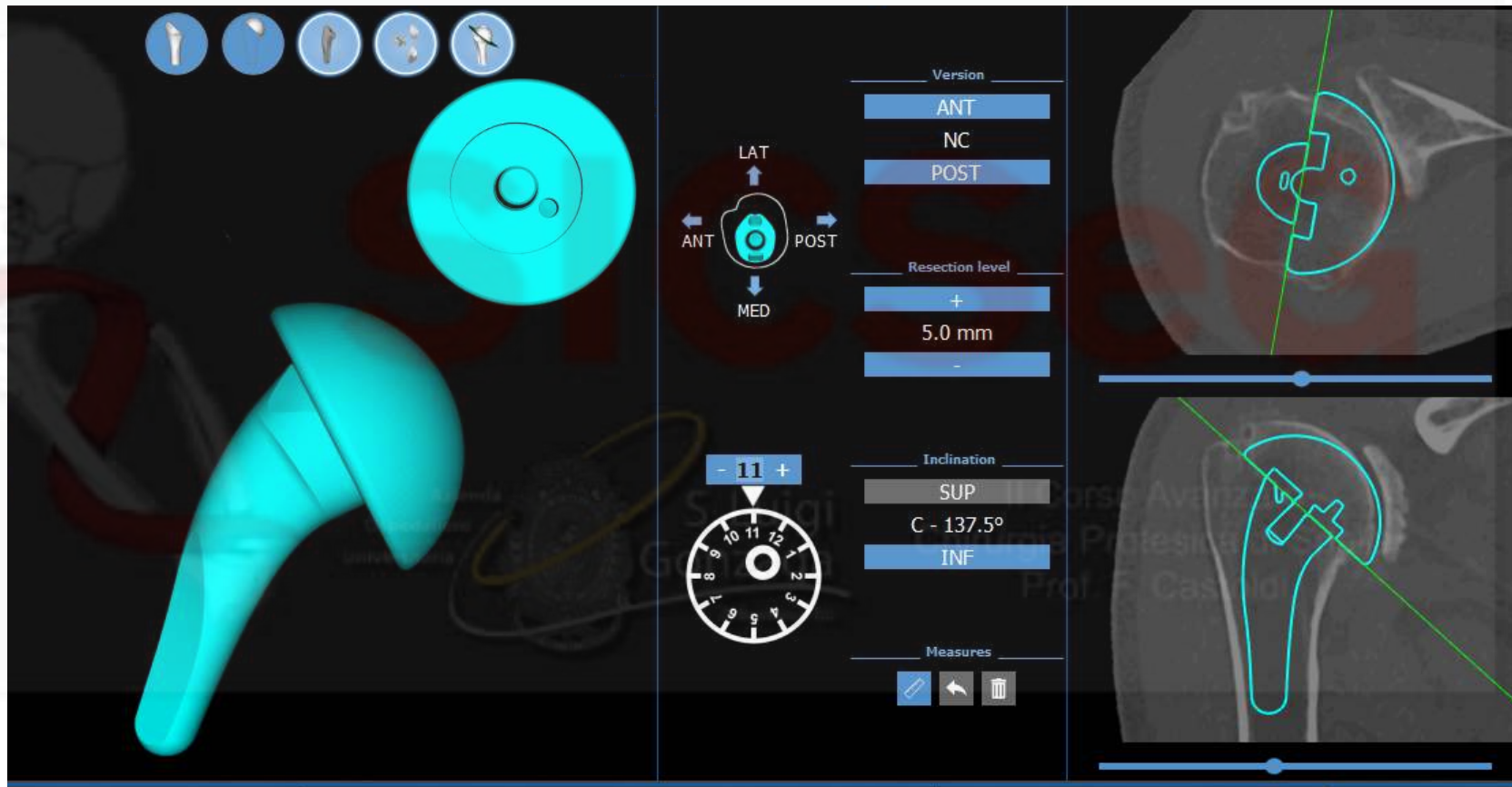
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PROTESICA
DI SPALLA

Live and relive surgery

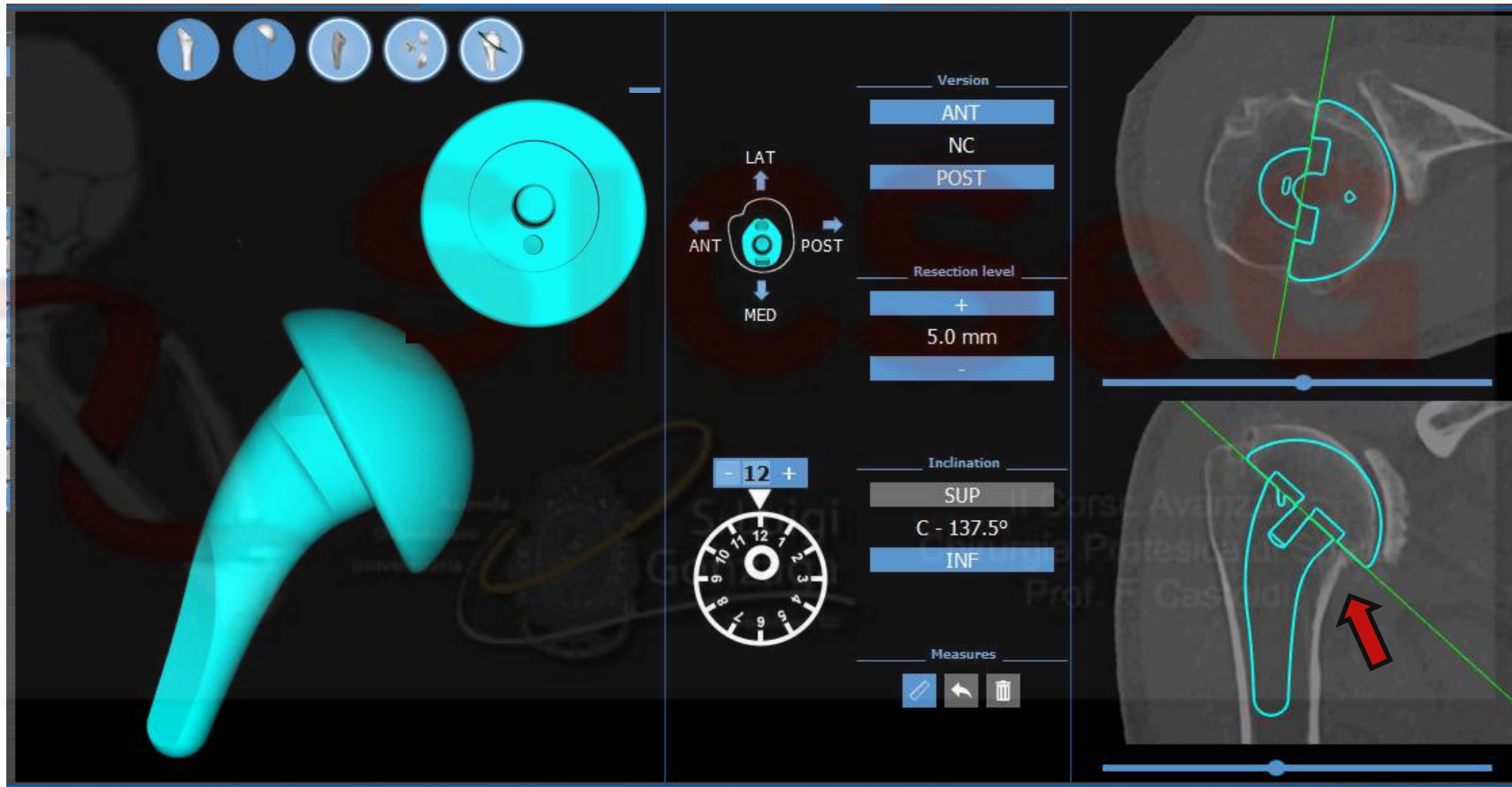


OFF-SET TESTA

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9- SCELTA EPIFISI

CHIRURGIA
PROTESICA
DI SPALLA
Live and relive surgery



OFF-SET TESTA

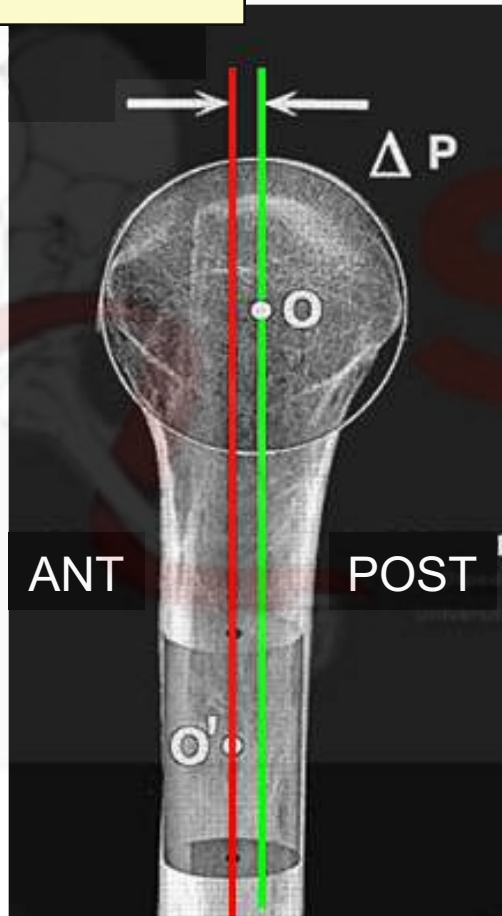
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9- SCELTA EPIFISI

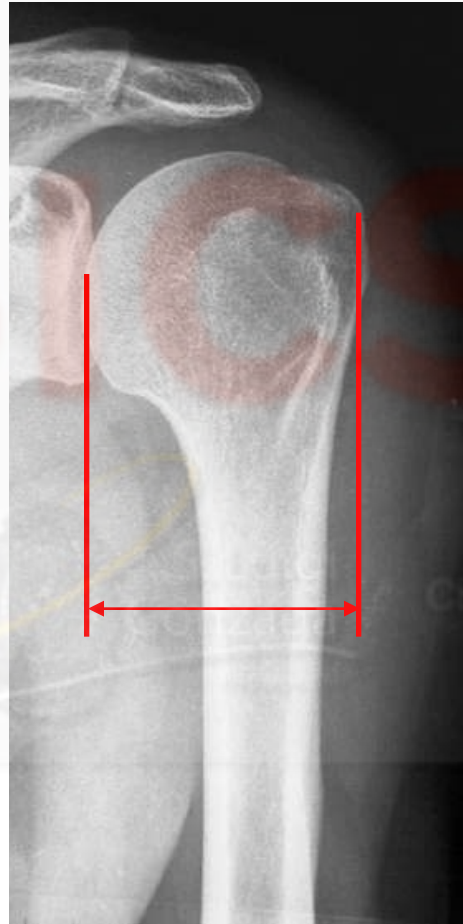
CHIRURGIA
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DI SPALLA
Live and relive surgery



OFF-SET



Posteriore



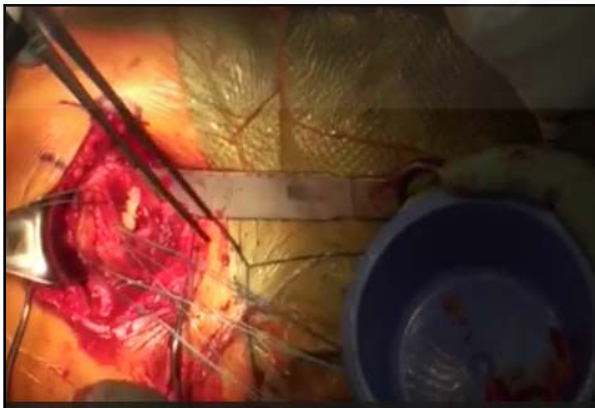
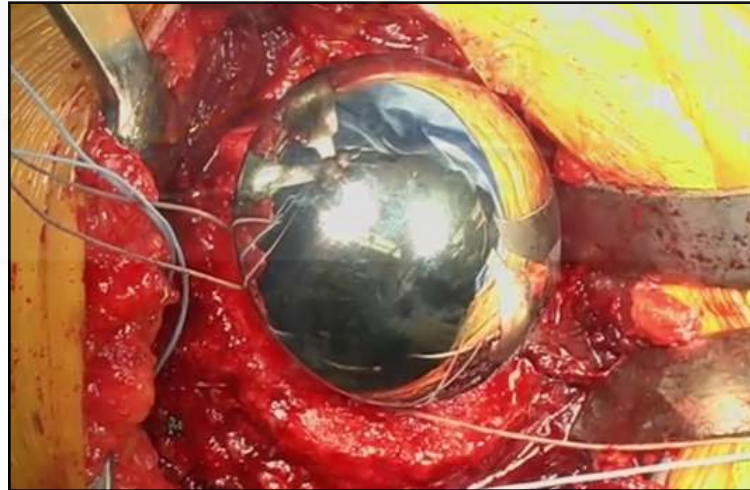
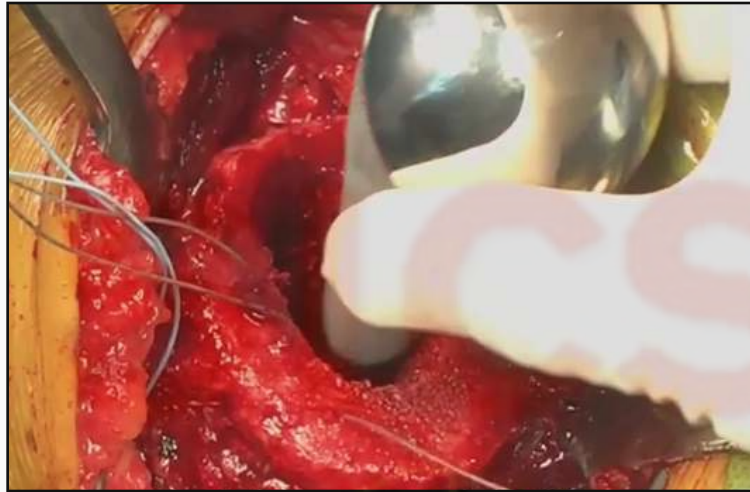
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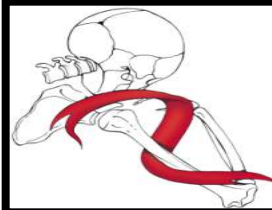
Verticale

PROTESI ANATOMICA T&T 10- IMPIANTO DEFINITIVO

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GRAZIE



SICSeG
Società Italiana di Chirurgia della Spalla e del Gomito

