



**1st International Winter
Hip Course
Current trends**

**Val d'Isère - France
February 13th – 16th
2013**

Modified anterior Hueter approach **without **an orthopaedic table****

Nicolas BONIN M.D.

**Hip Arthroscopy and Surgery
Lyon FRANCE**

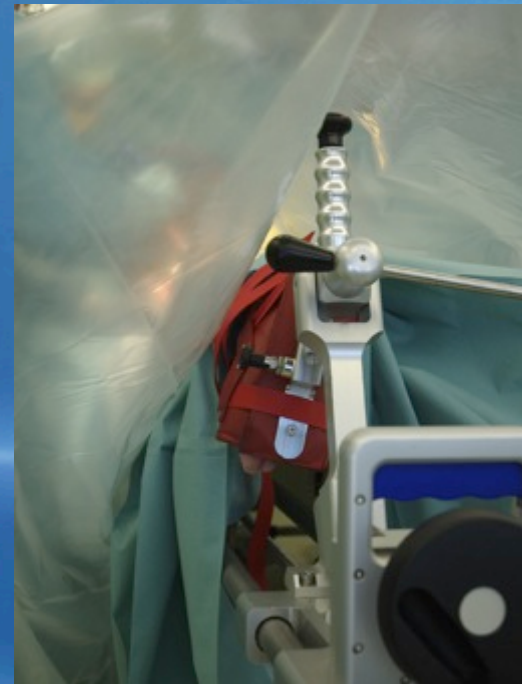
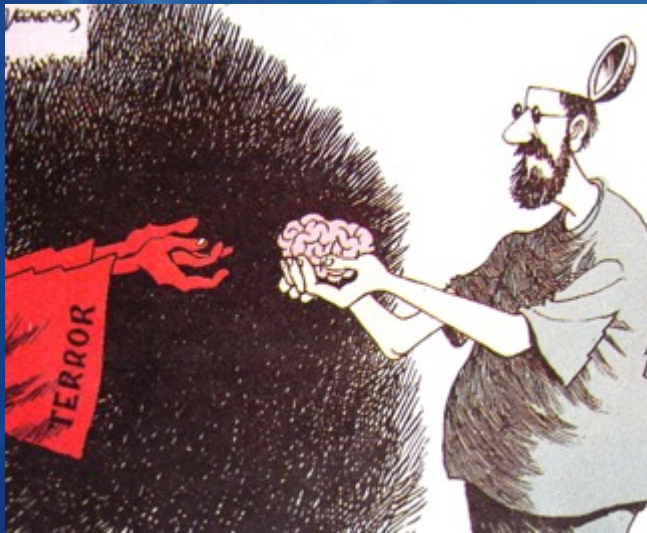


LYON ORTHOCLINIC

Anterior Approach Problem

✓ ORTHOPEDIC TABLE !!!

- Cost / Installation



- Difficult and Dangerous to Control

- Difficult Length and Stability Control

Anterior Approach Solutions

✓ **Watson-Jones in Lateral Position/
Standard table**

- « **Rottinger Approach** »

Installation

Length control ?

✓ **Hueter in Lateral Position**

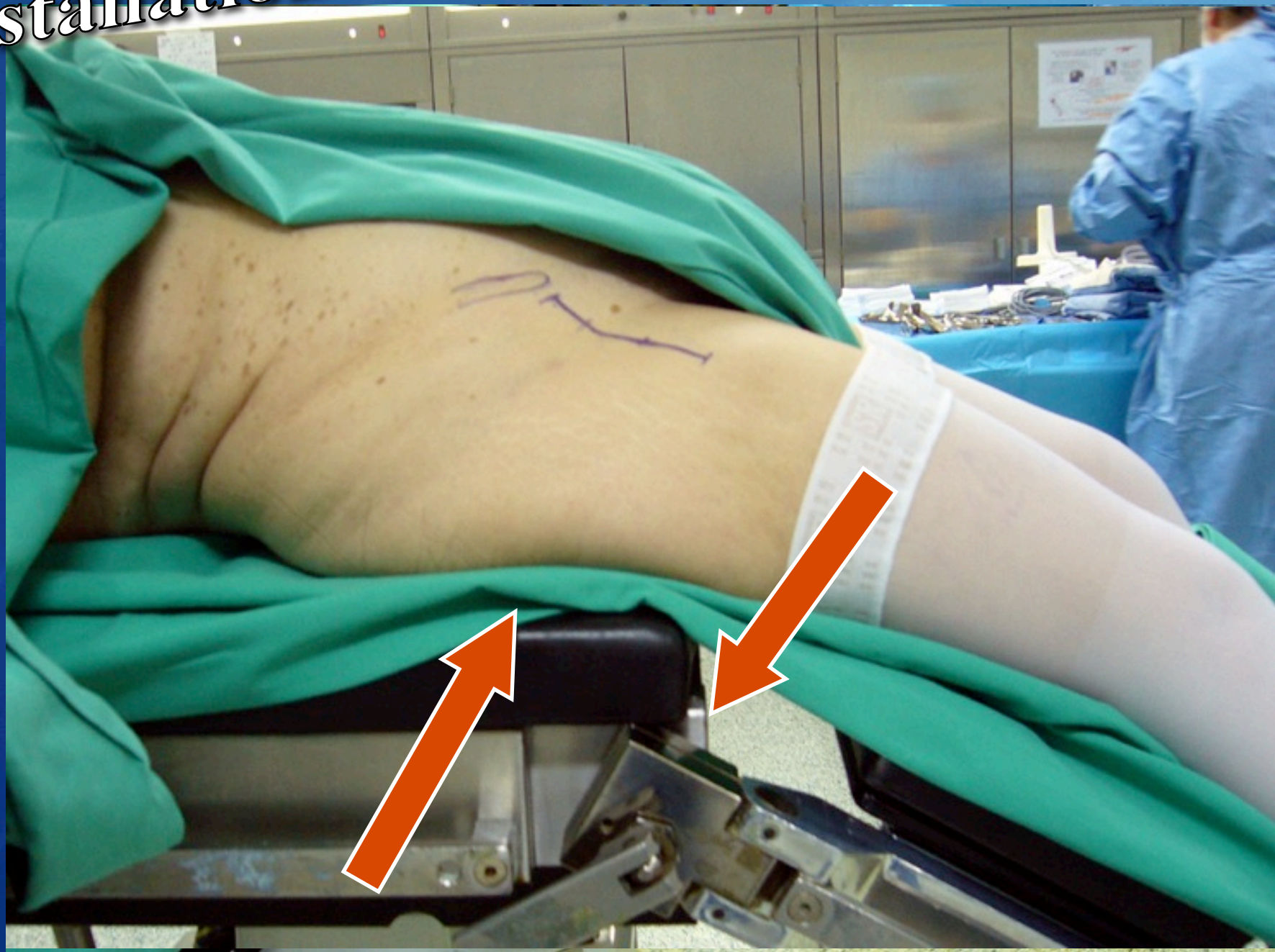
✓ **Hueter in Dorsal Position/
Standard Table**

Installation

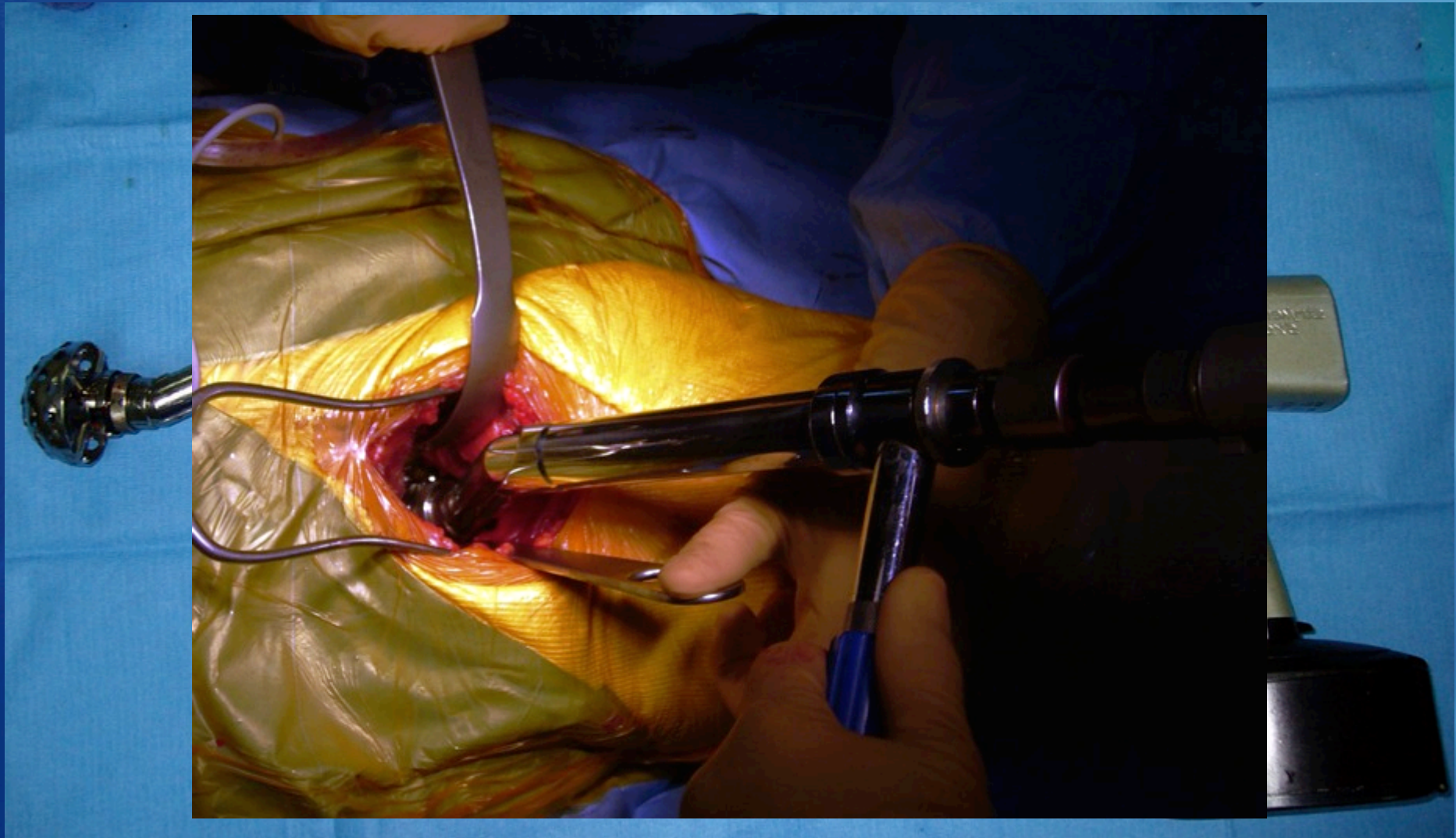


Hueter Approach
Dorsal Position
Standard Table

Installation

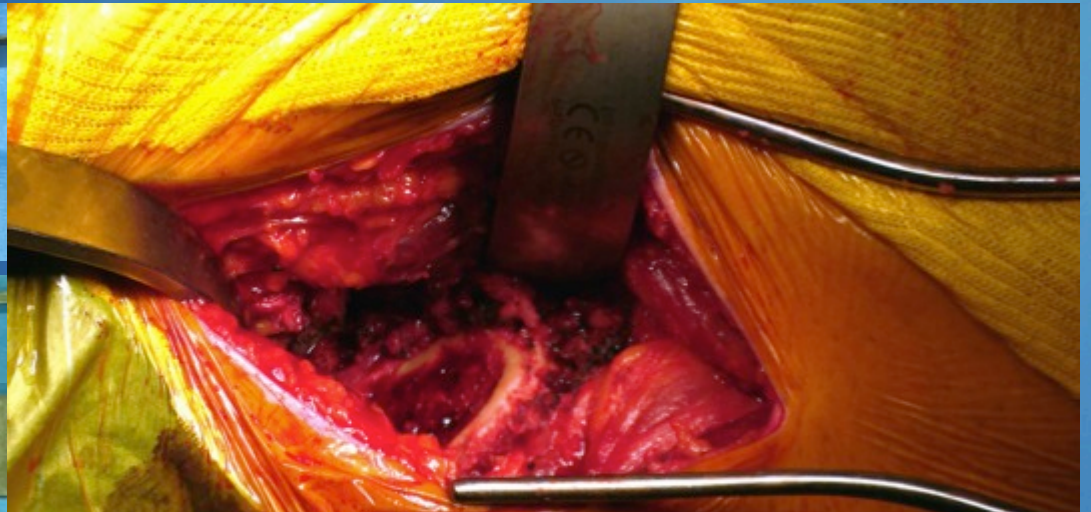


Instrumentation **Mini-Invasive**



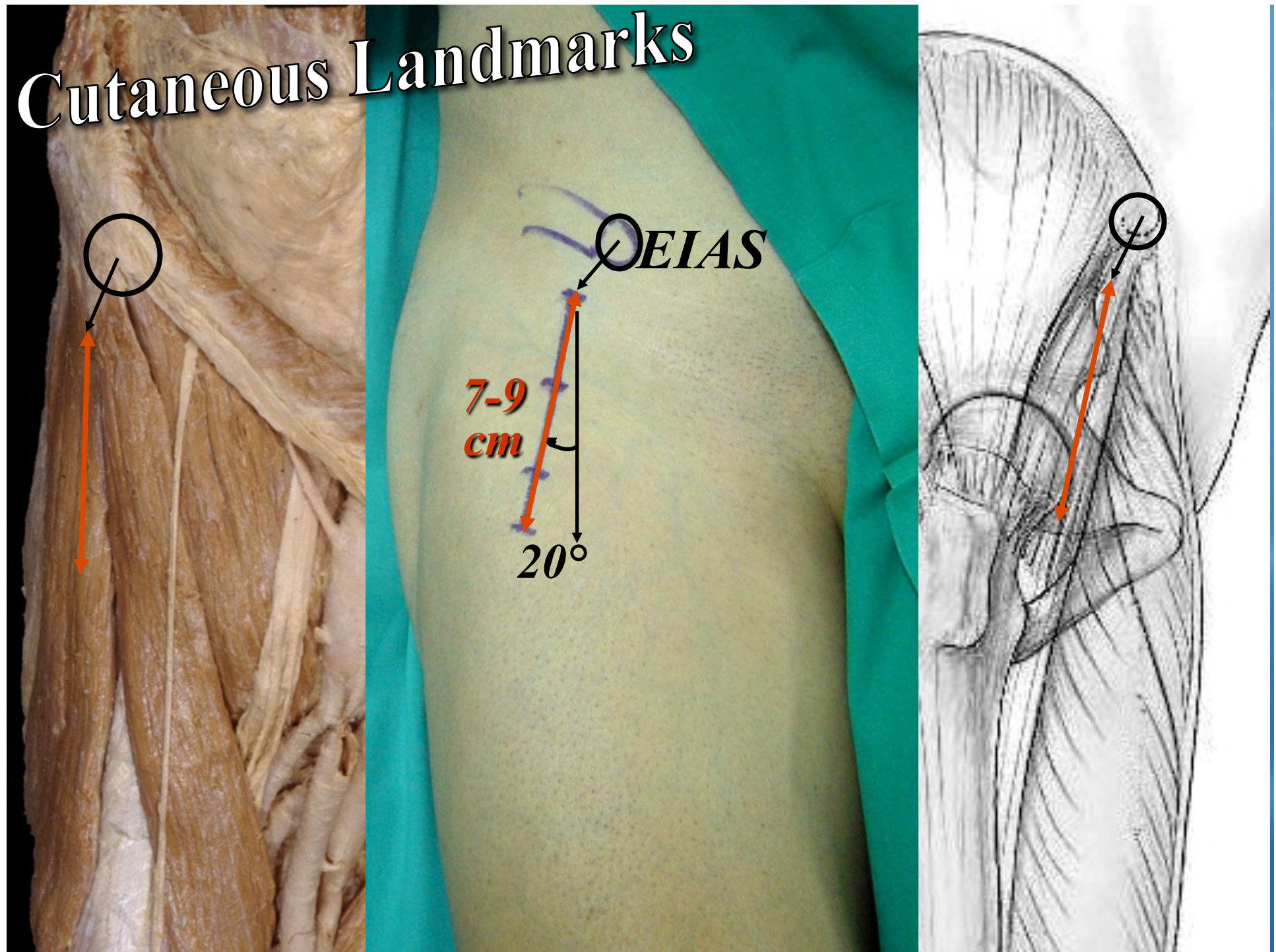
Instrumentation

Specific

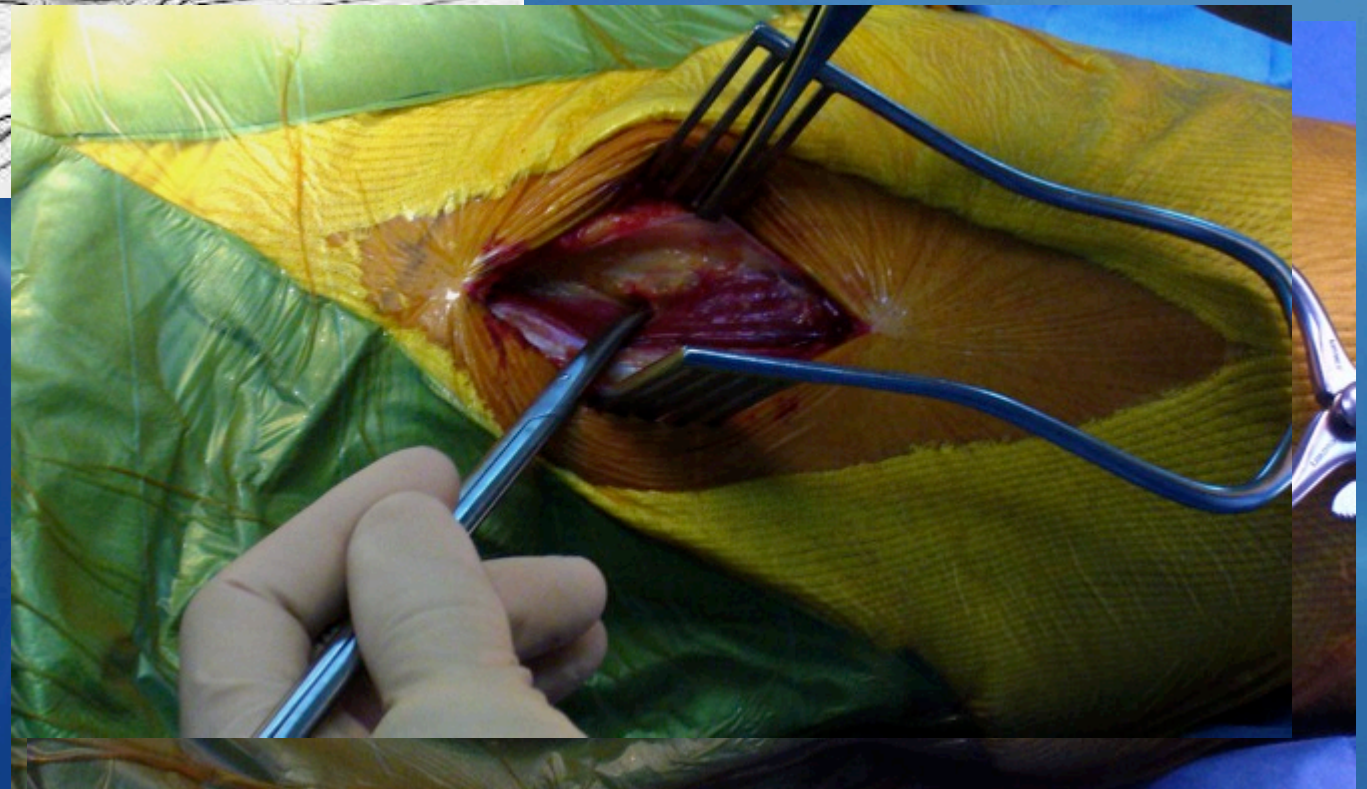
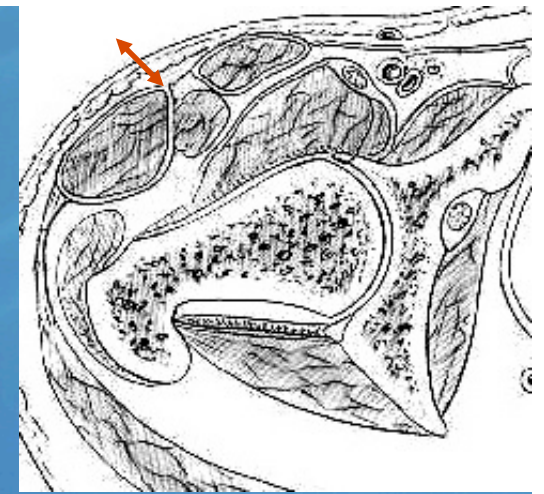
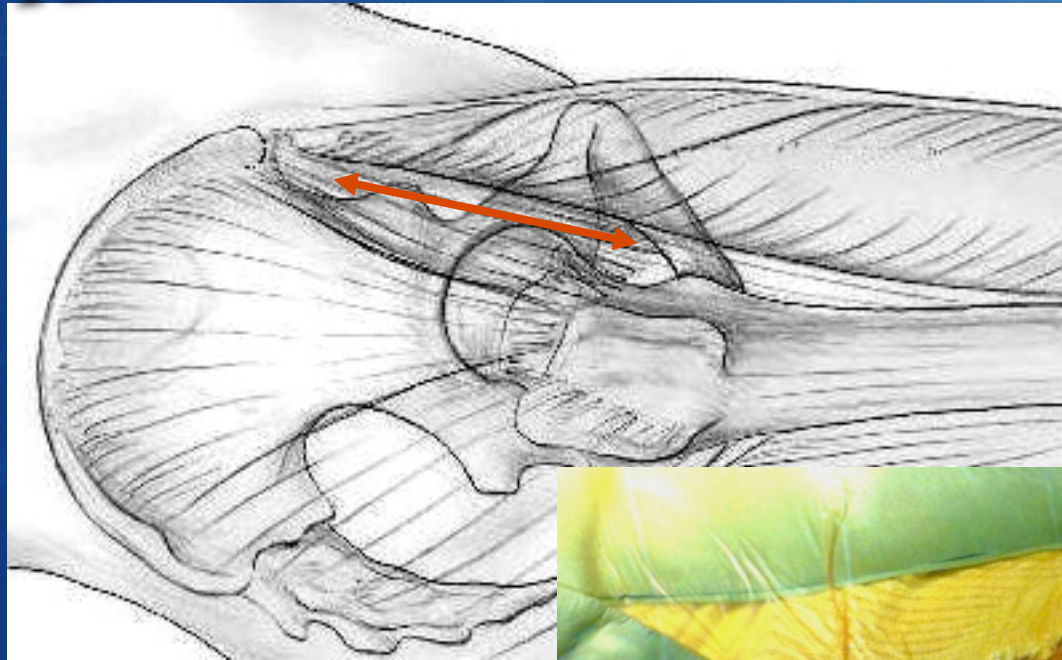




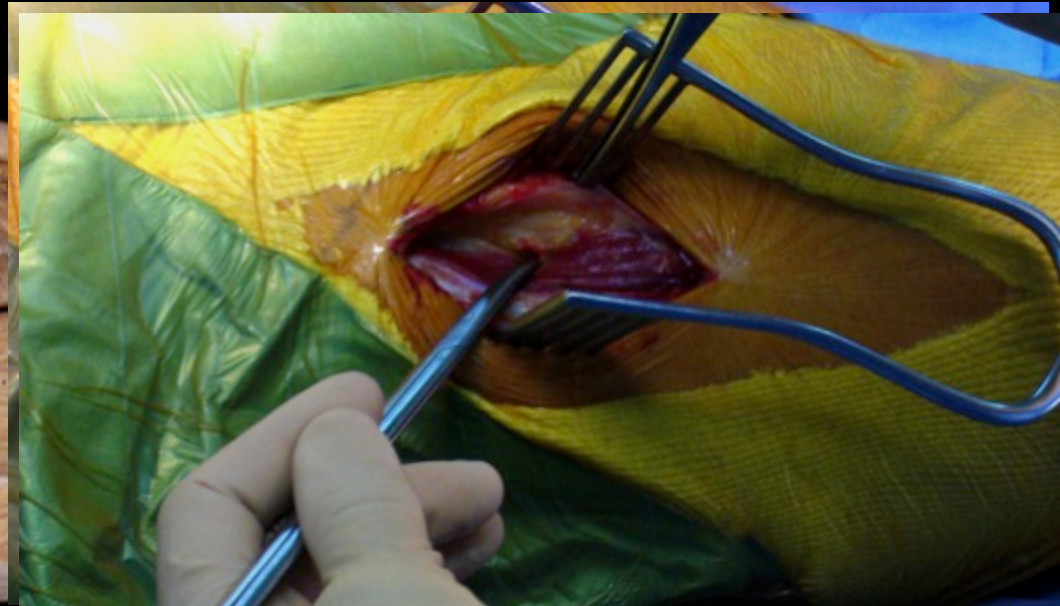
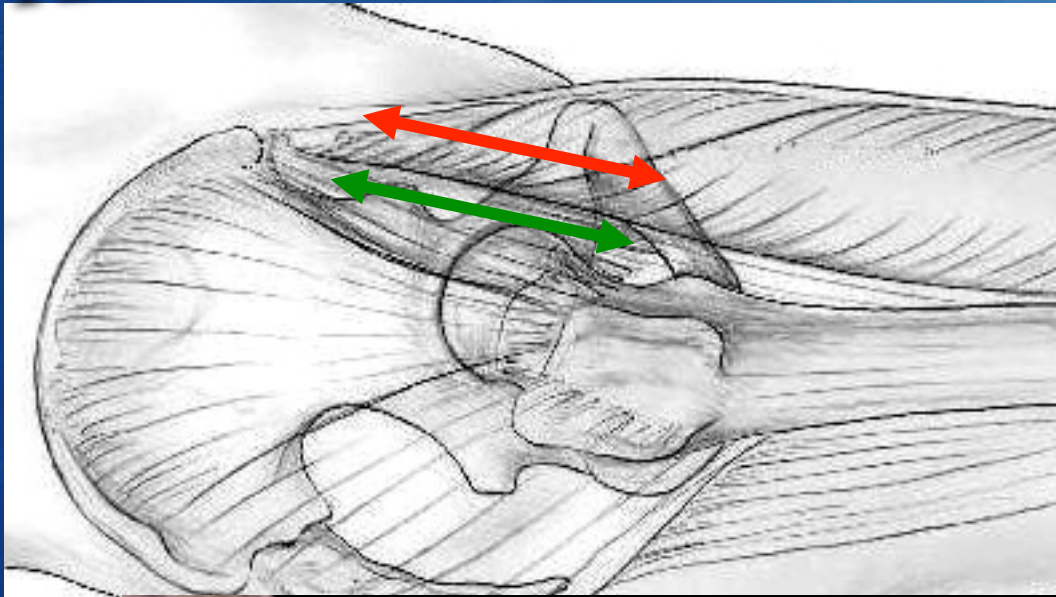
Cutaneous Landmarks



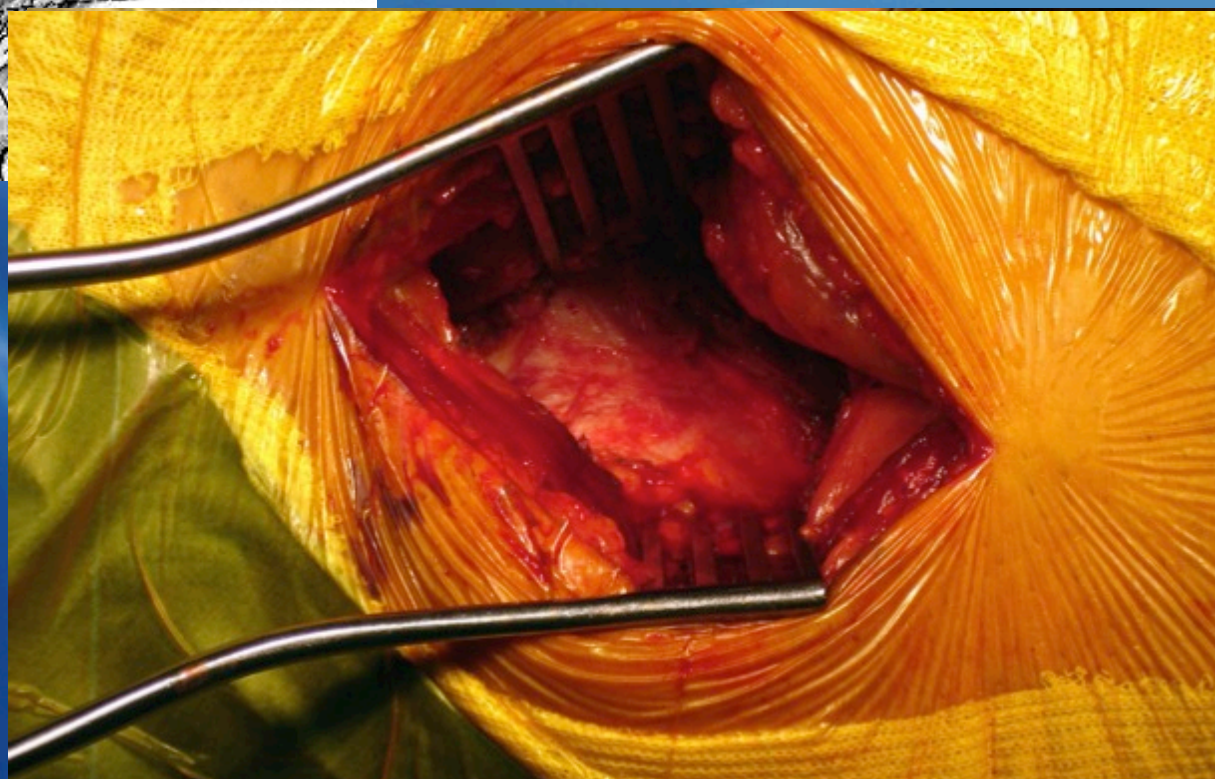
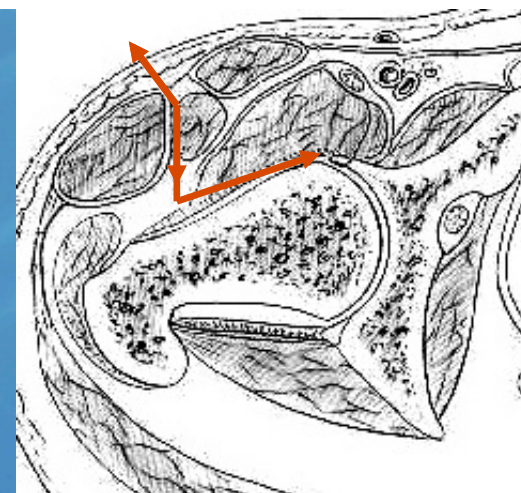
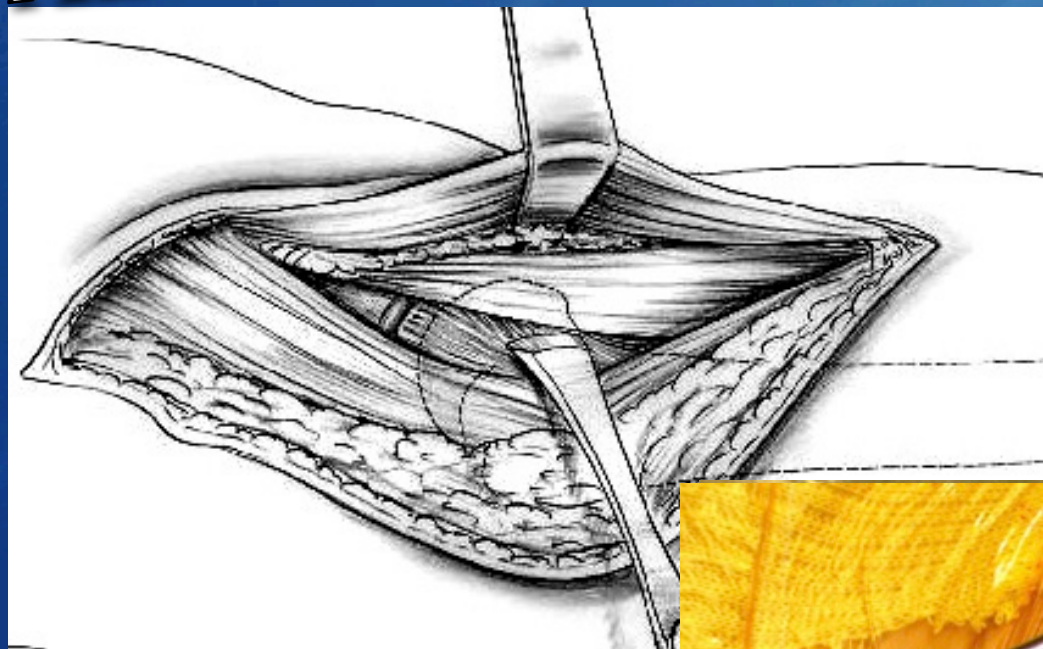
Anterior Approach



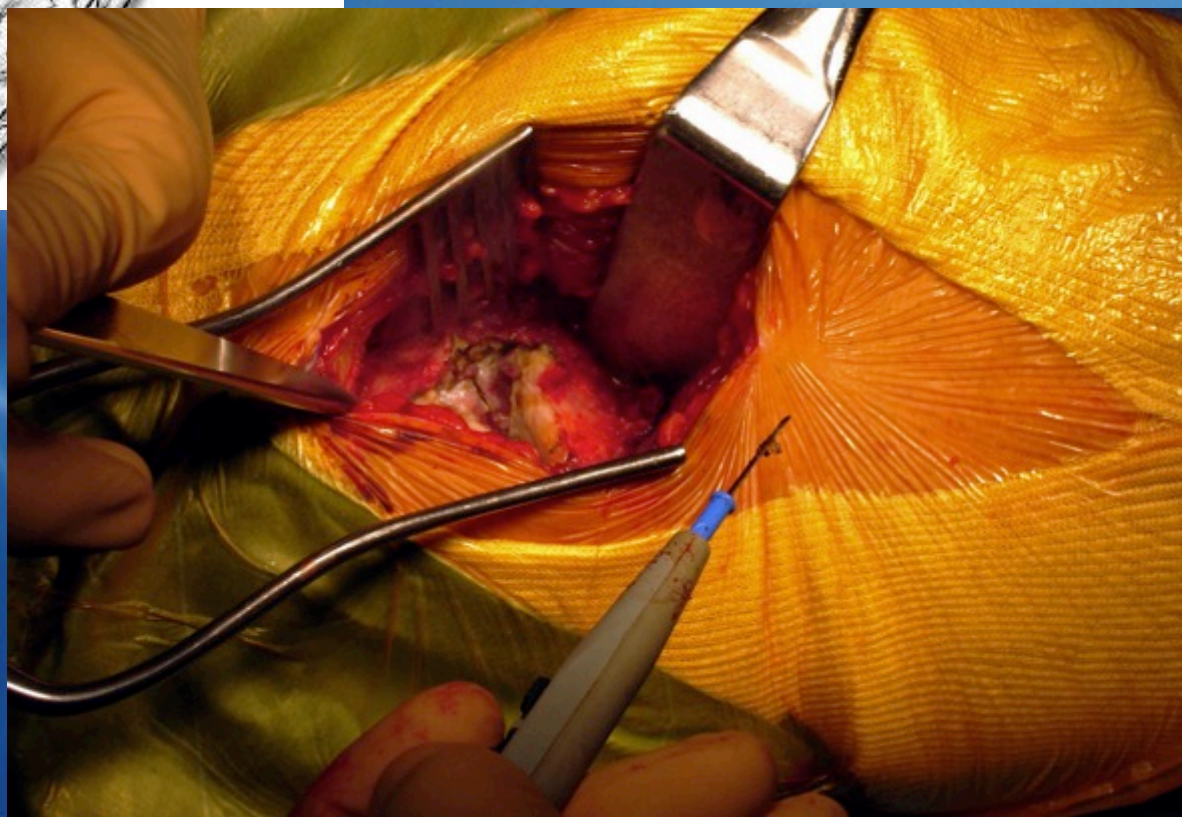
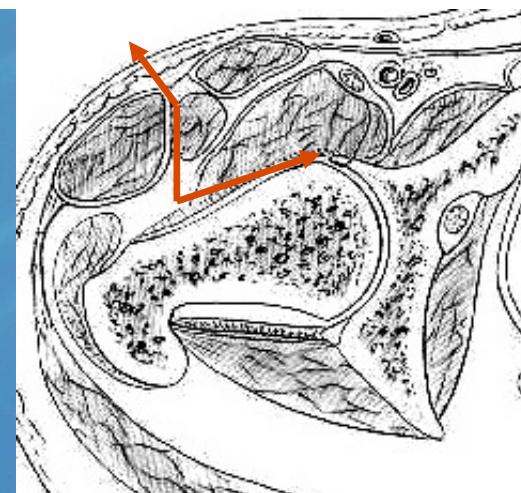
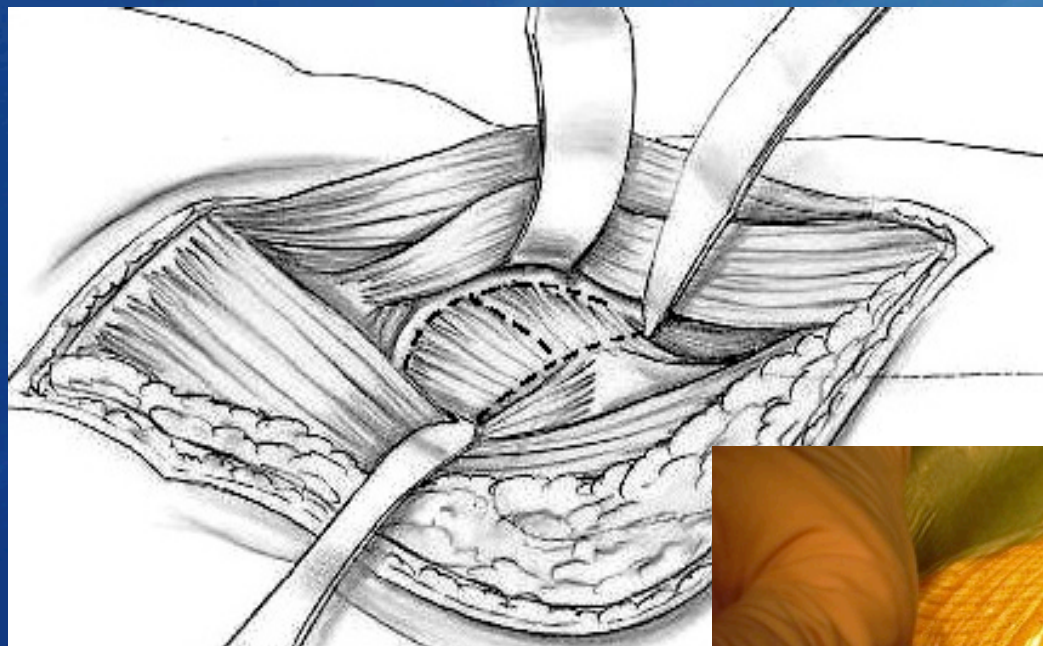
Anterior Approach



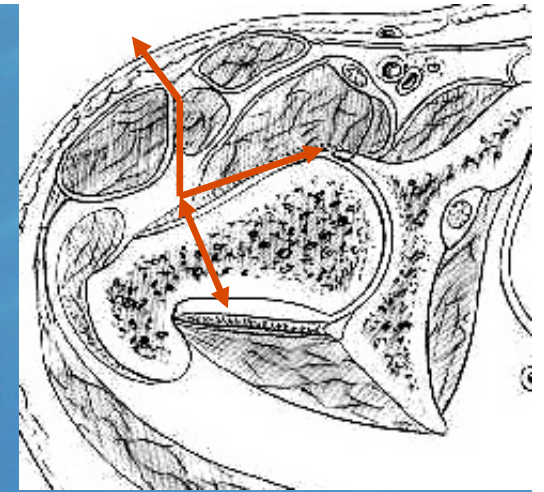
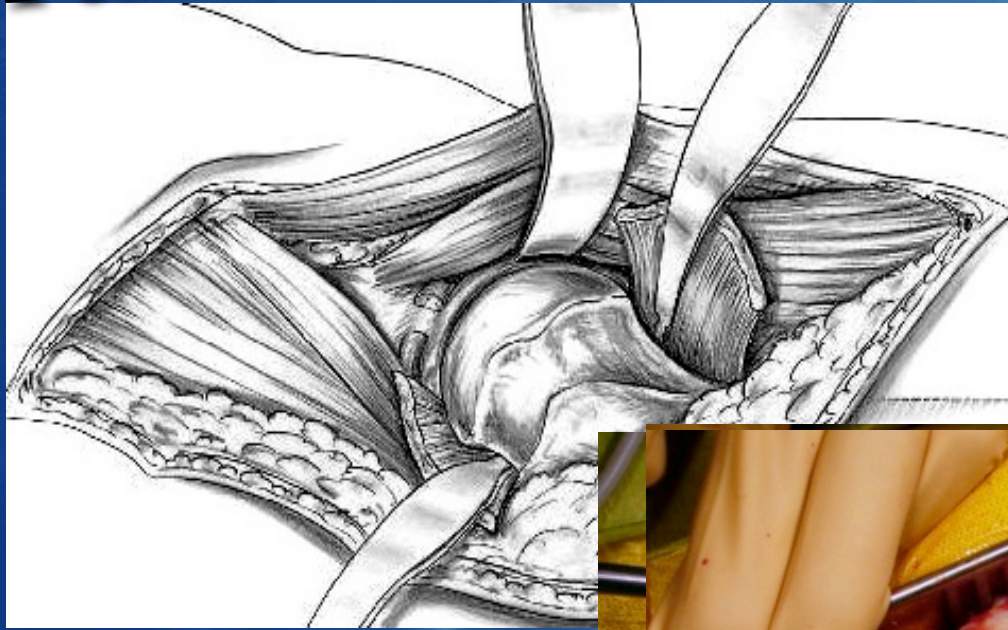
Anterior Approach



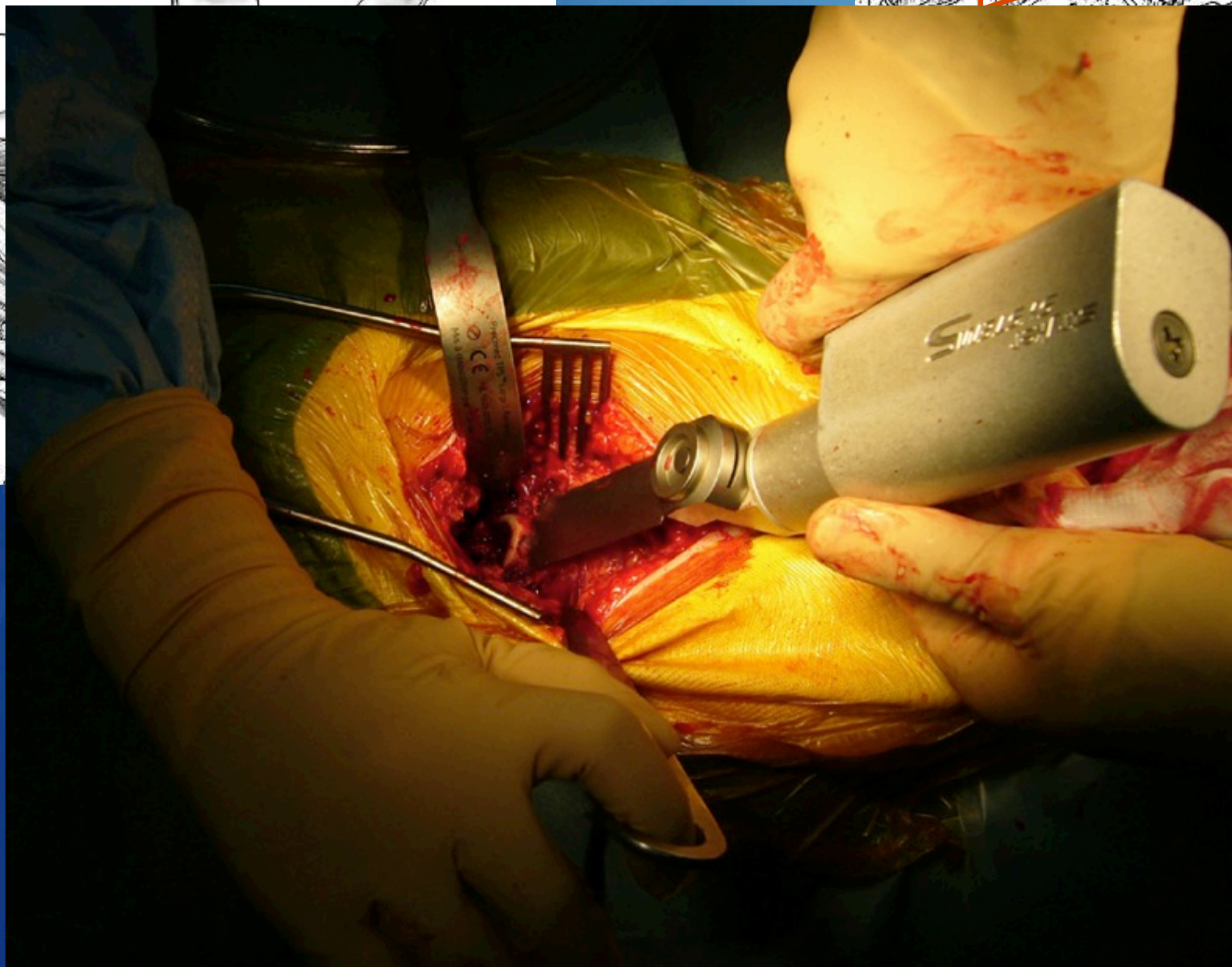
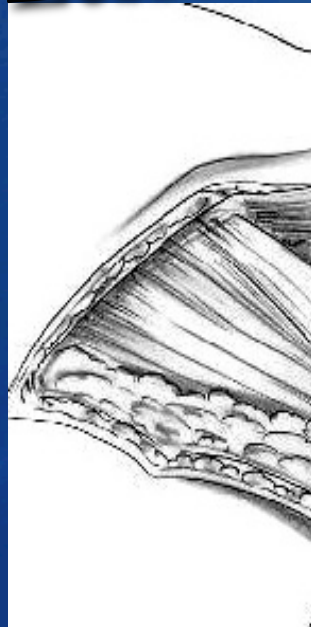
Capsulotomy



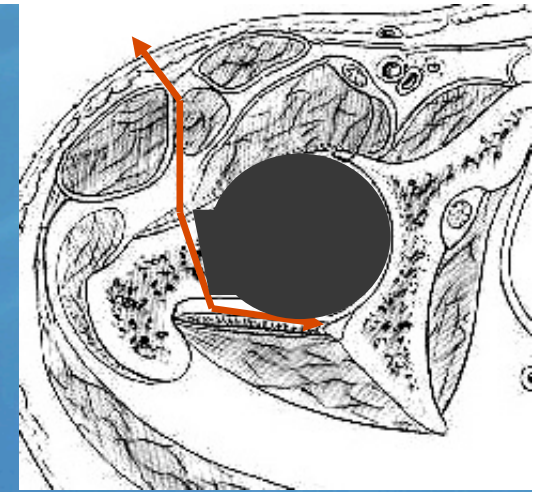
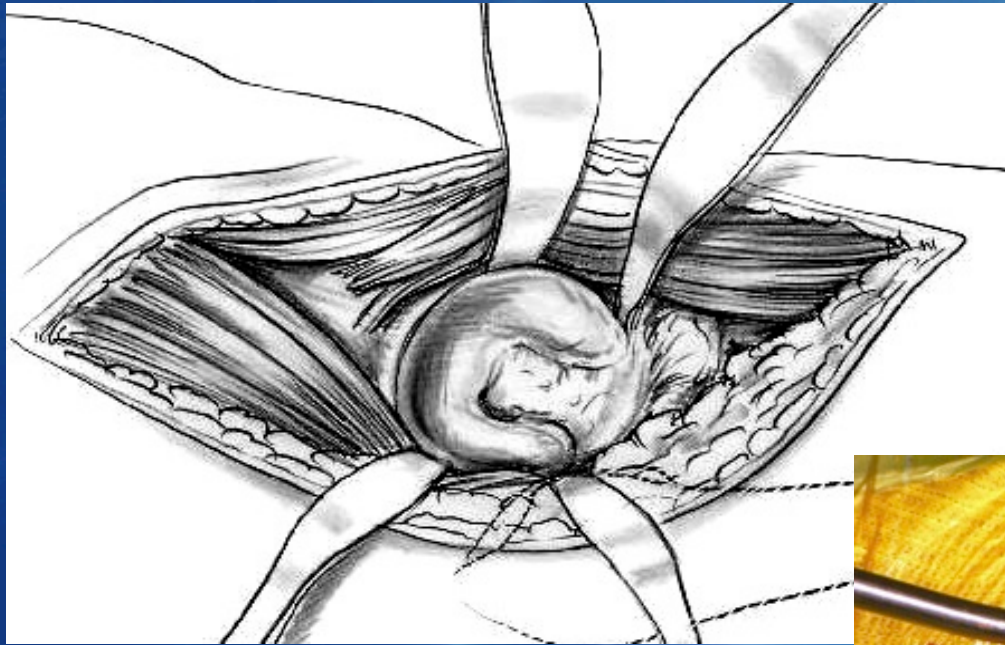
Femoral Neck Section



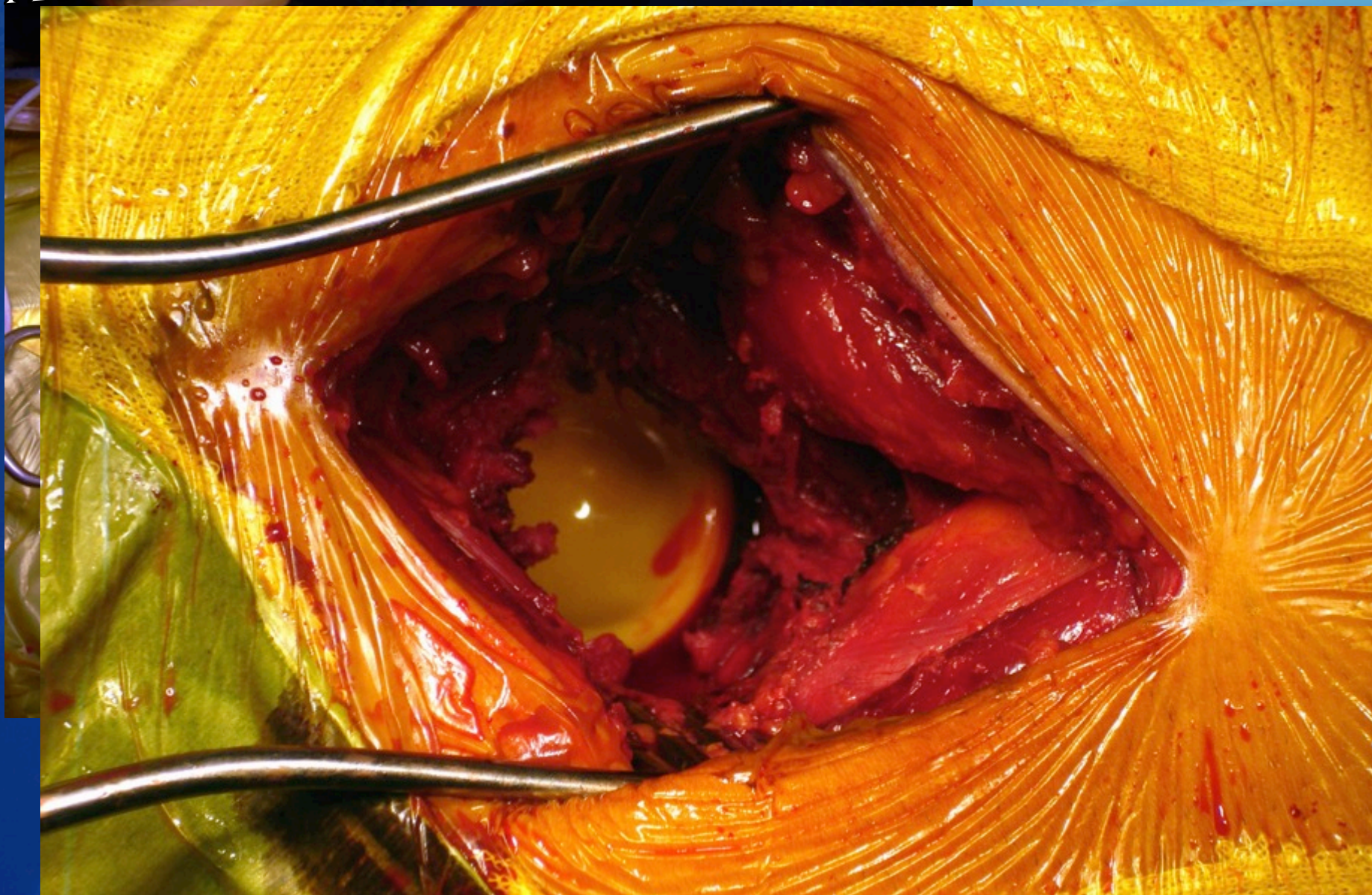
Lesser Trochanter Landmark



Acetabulum Exposure



Acetabular Implant Positionning

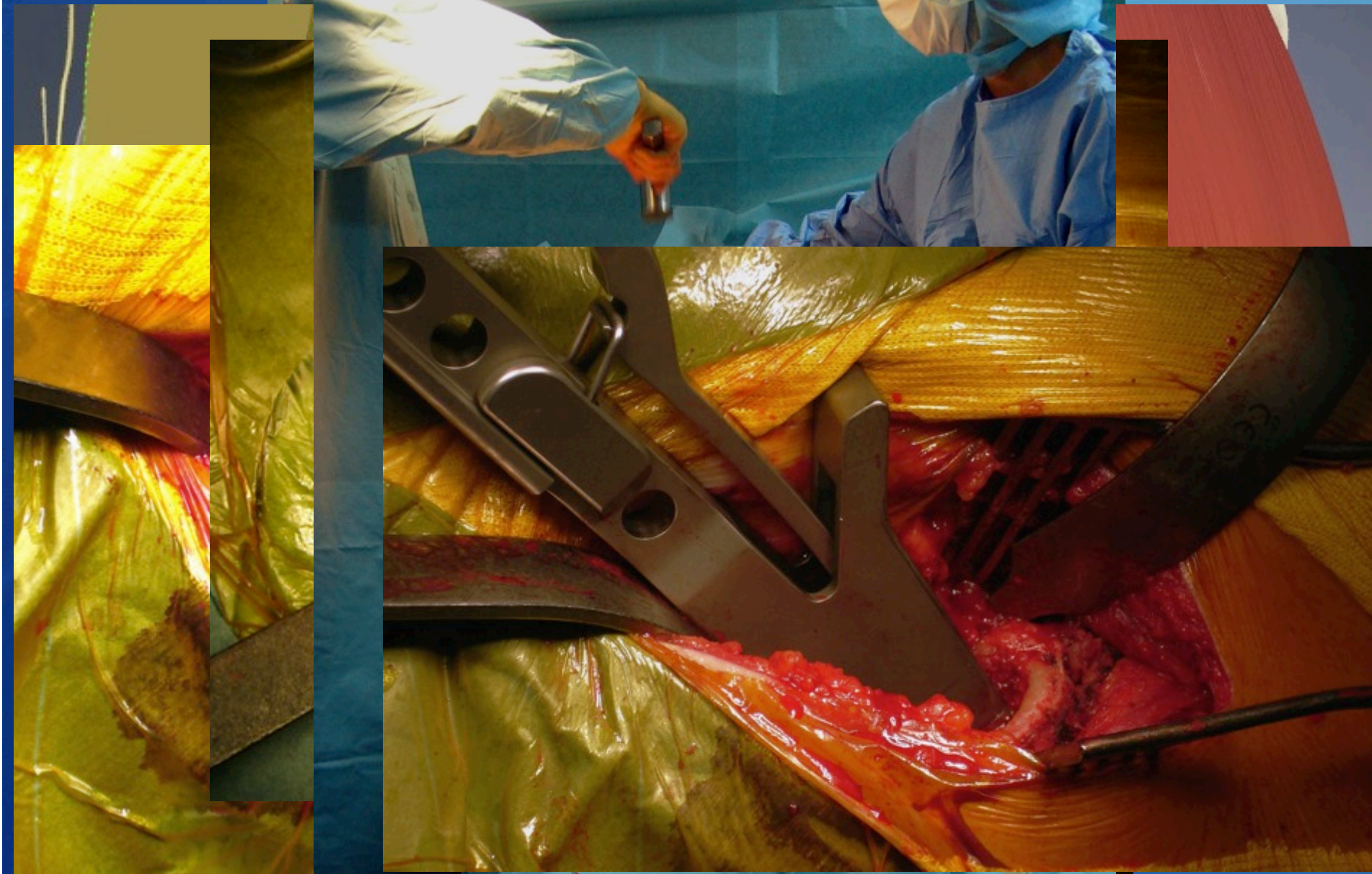


Femoral Preparation



CURARE !!!

Femoral Preparation



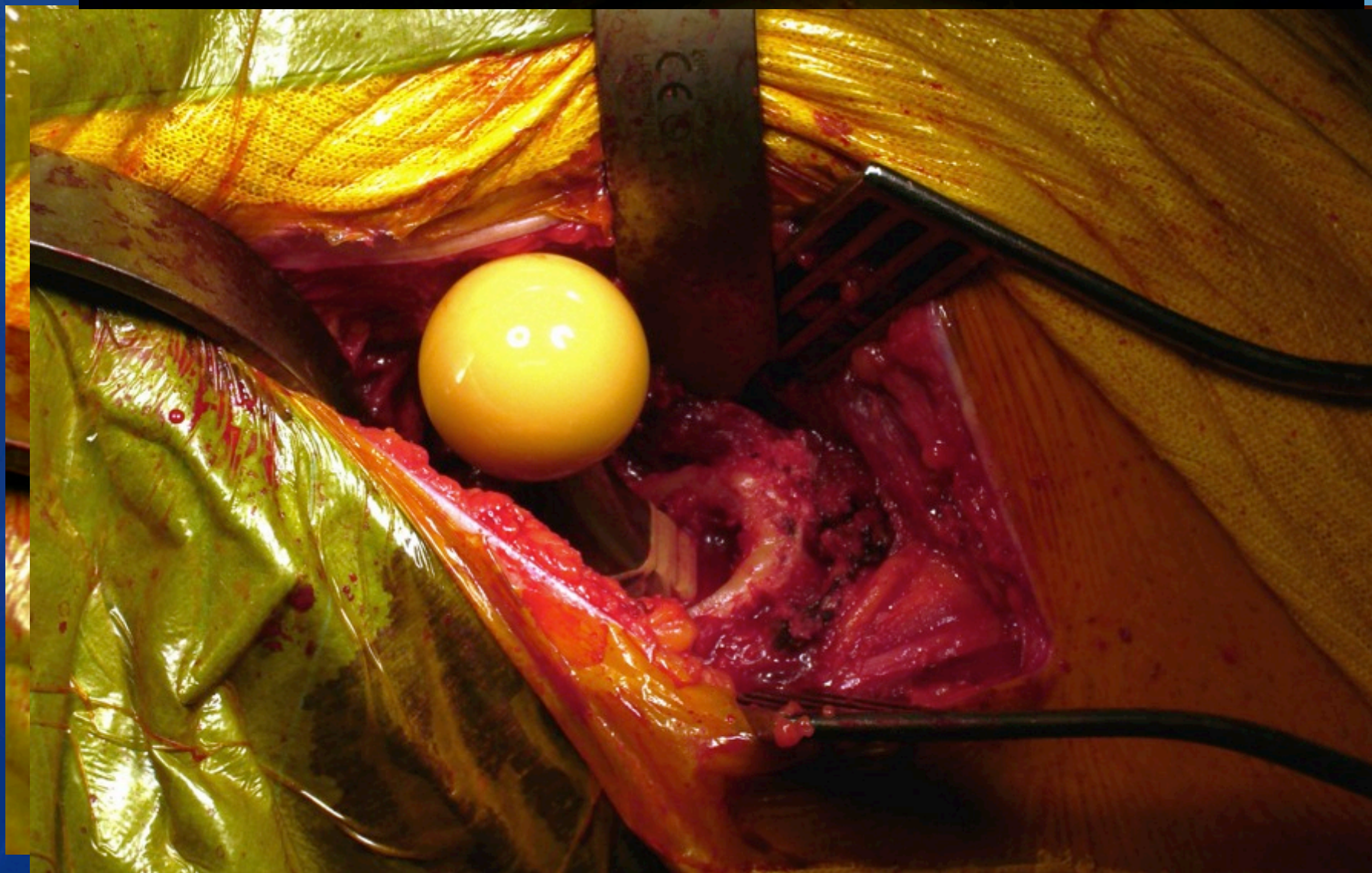
Stability –Impingement Testing



Leg Length Testing



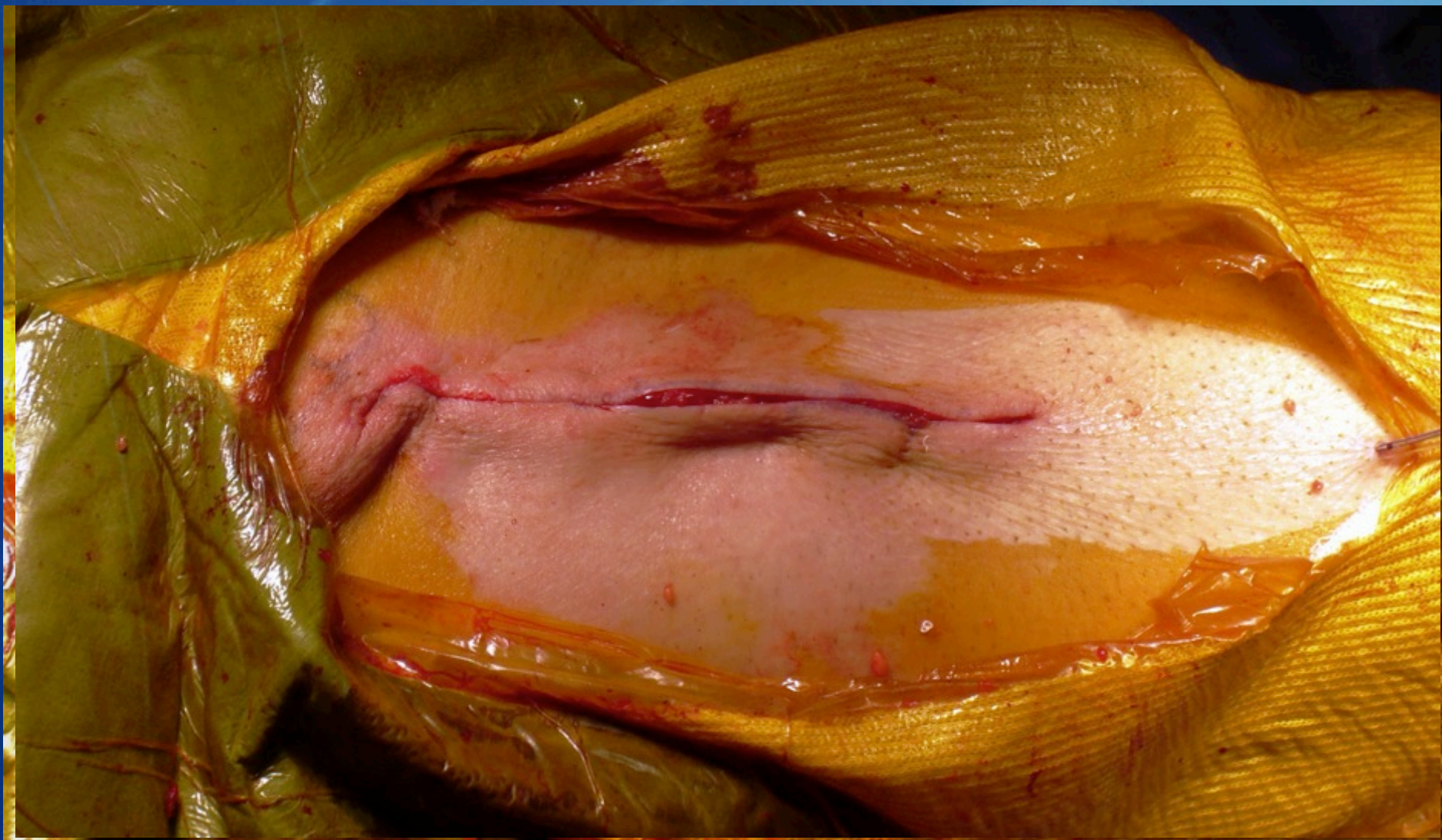
Femoral Stem Positionning



Closing



Closing



Disadvantages **Anterior Approach**

- ✓ **Difficult Femoral Exposure**
=> *Learning curve*
- ✓ **Femoro-cutaneous Nerve Lesion**
=> *Lateral Incision on TFL*



Advantages

Simplicity

✓ Installation

Dorsal - Standard Table



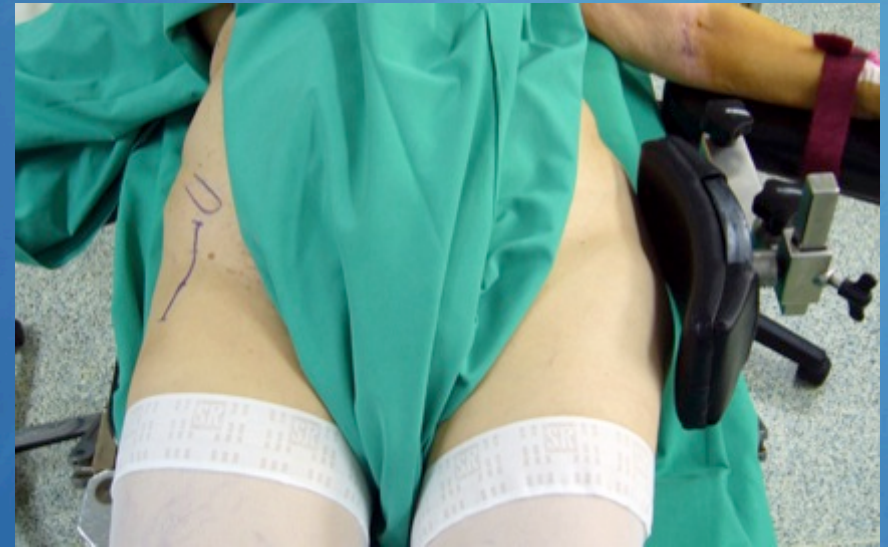
✓ Instrumentation

Few Specific Instruments



Advantages **Fiability**

- ✓ Pelvis Position
Reproducible
Dorsal Decubitus
 $\Leftrightarrow$ *Standing Position*

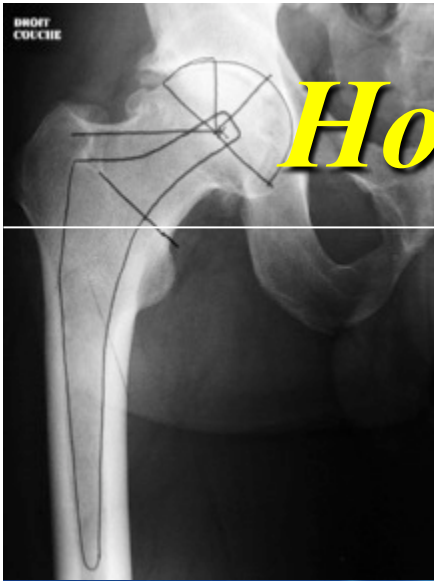


- ✓ Testing
Reproducible



Comparative
Length

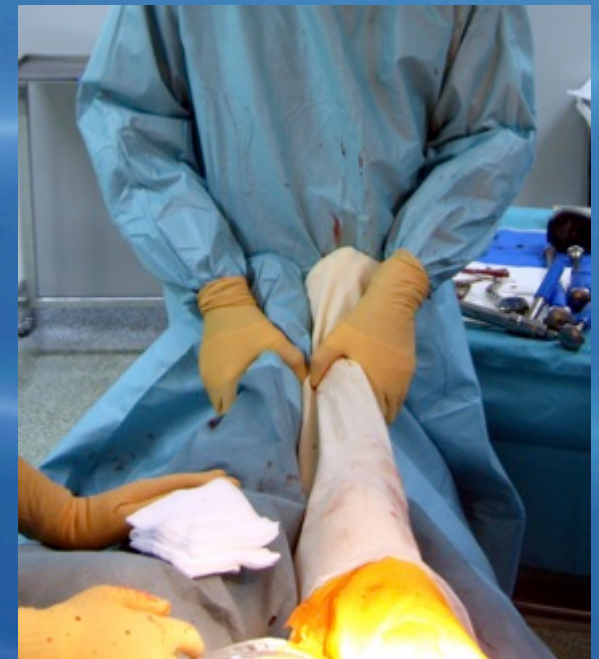
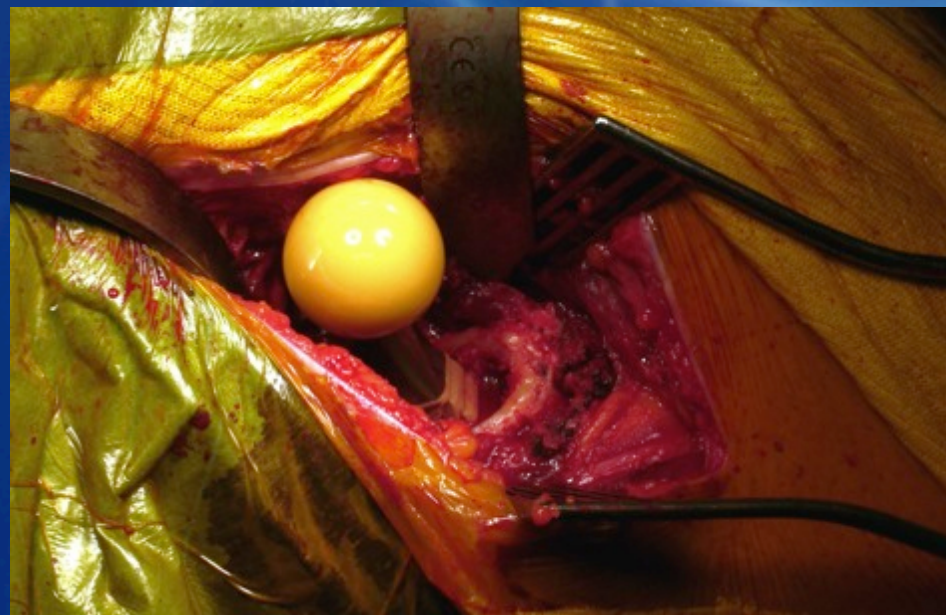


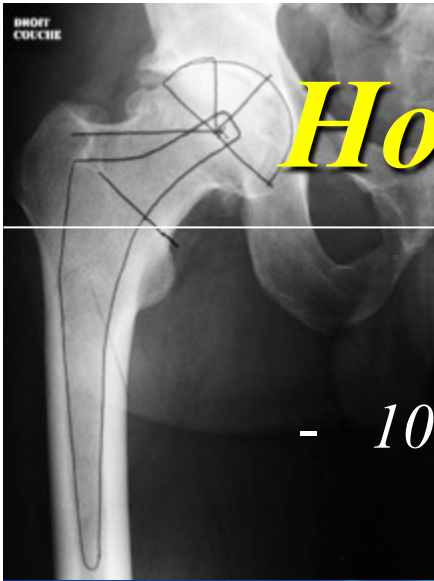


How to reproduce Leg length?

Comparative Study
Anatomic Landmarks
Vs

Malleolar Per-operative Palpation



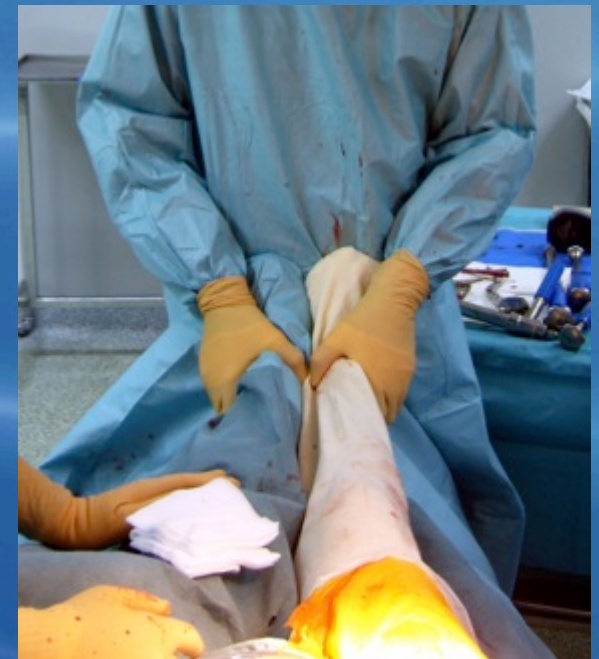
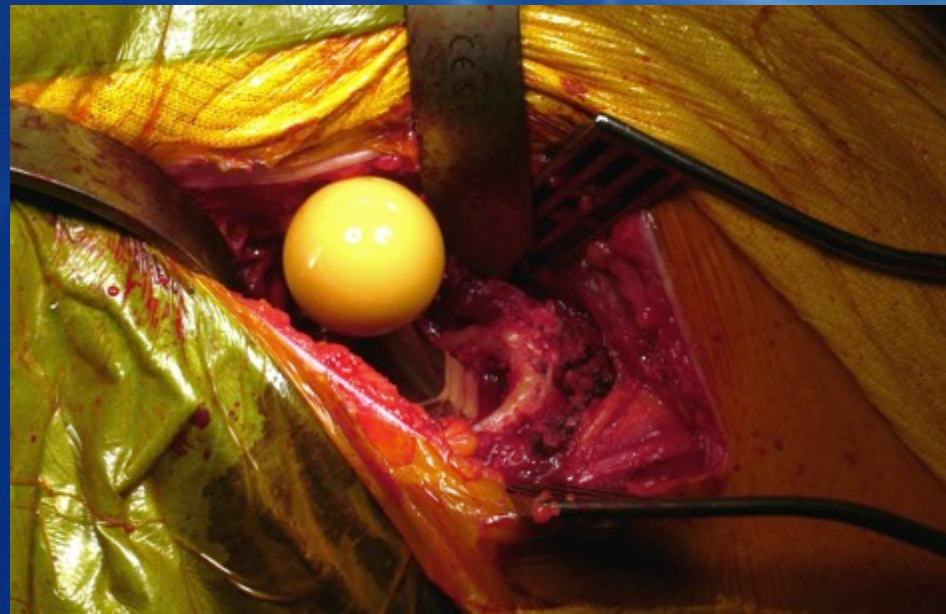


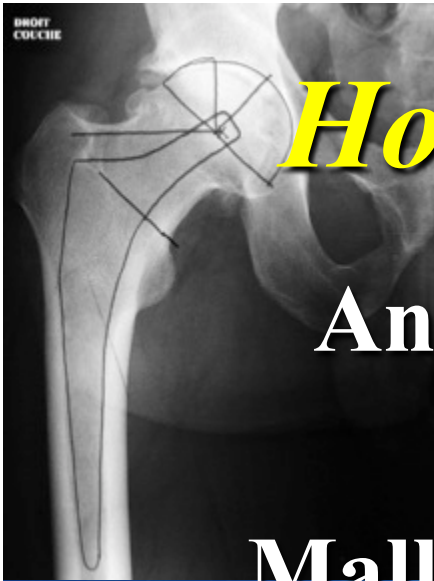
How to reproduce Leg length?

77 Patients

- 10 Impossible Planification(Hip Malrotation...)
 - 6 contro-lateral THA
- 5 Leg length discepancy to correct

56 Included cases



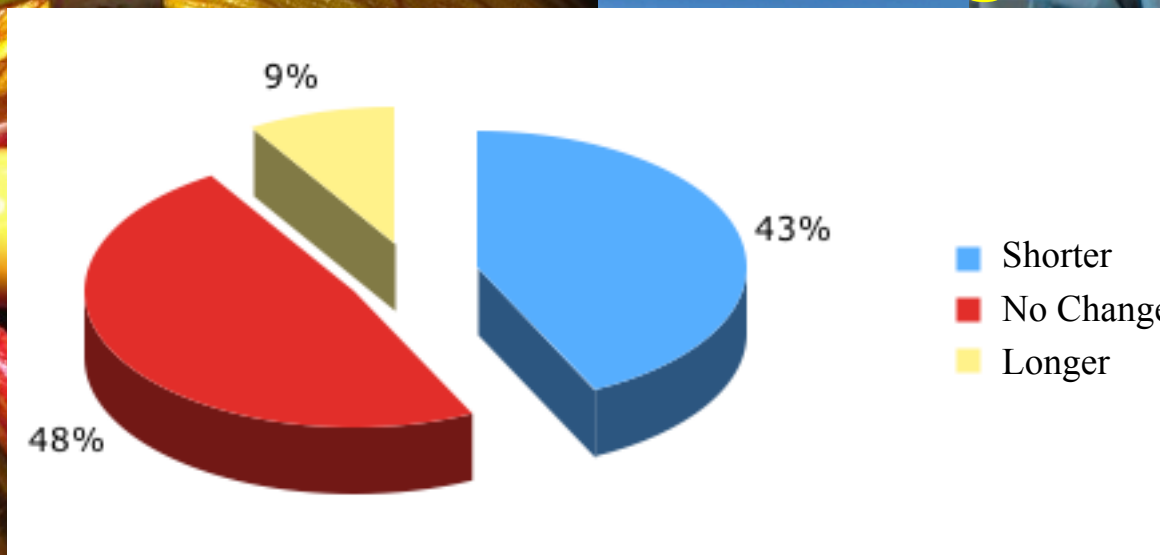


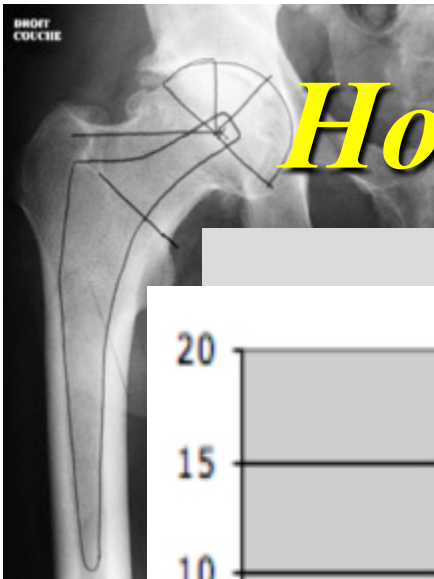
How to reproduce Leg length?

Anatomic Surgical Landmarks
Then

Malleolar Per-operative Palpation

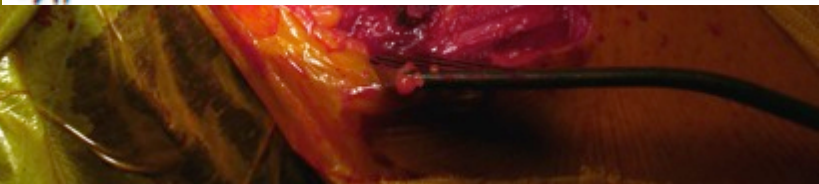
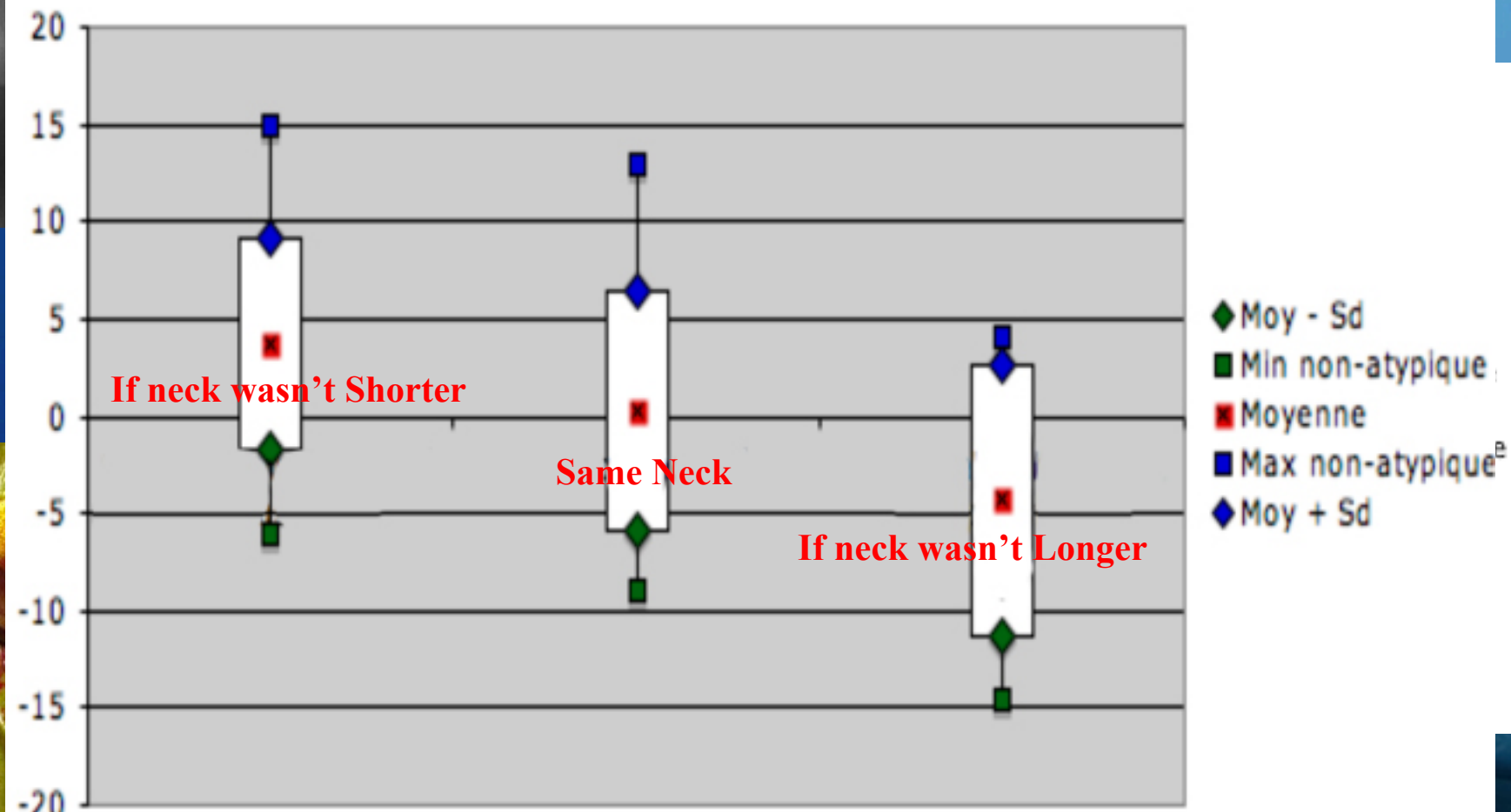
*=> Notification if Neck changing secondary
to Malleolar checking*





How to reproduce Leg length?

After Malleolar Testing



And What if you're lost?!

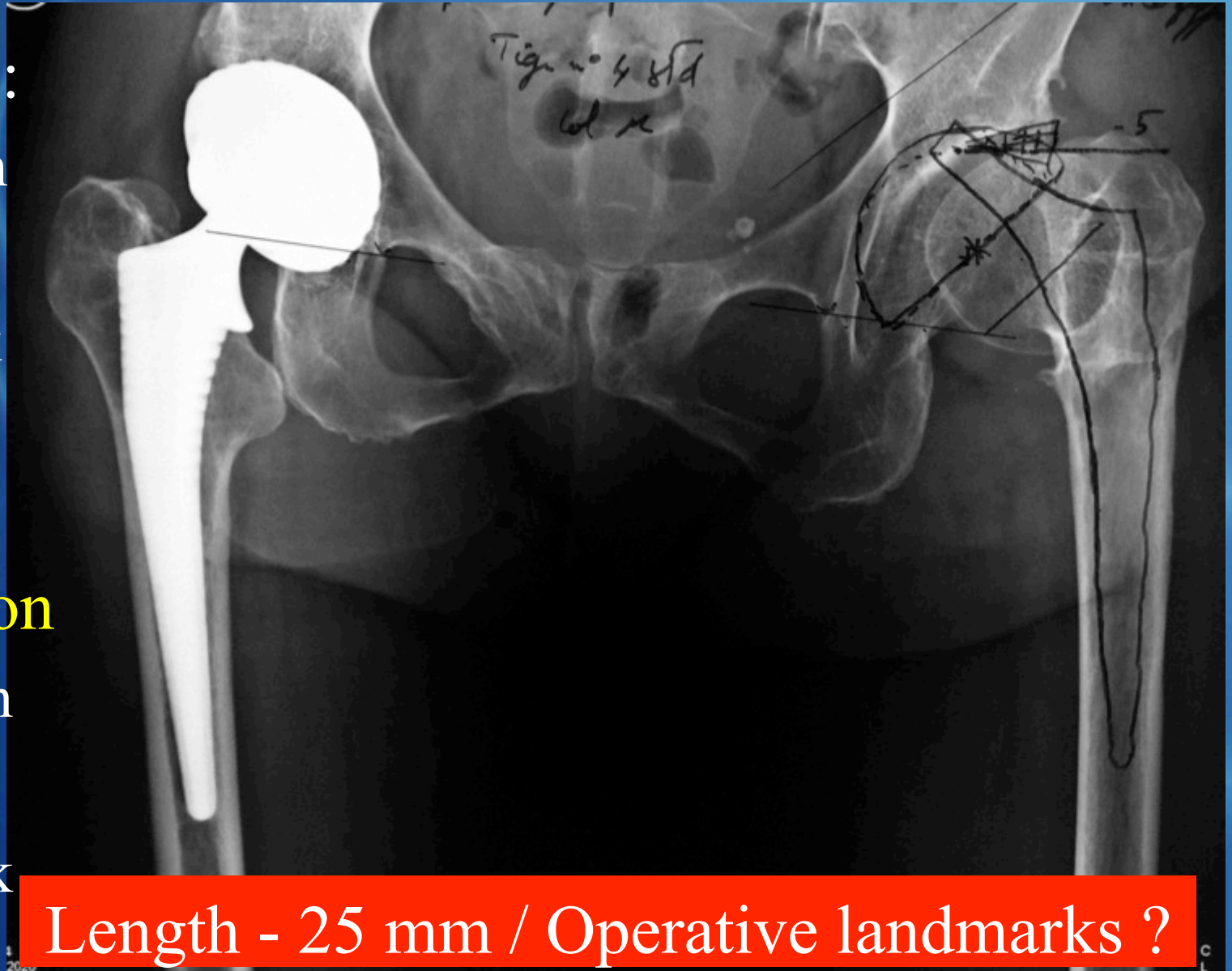


Example !!

Right Hip :
Cup 54 mm
Stem N°3
Short Neck

Left
Planification

Cup 56mm
Stem N°4
Long Neck



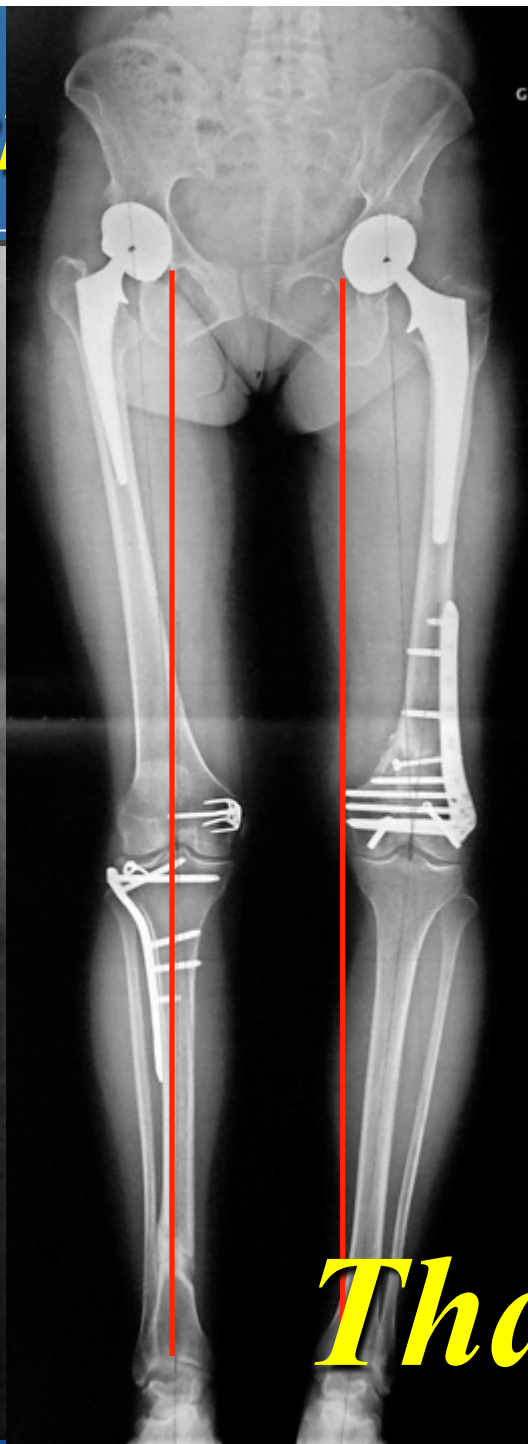
Exe

Right Hip :
Cup 54 mm
Stem N°3
Short Neck

Left Hip :
Cup 56 mm
Stem

N° 7 !!

Long Neck



Thank You