

Is de locatie van belang?

The logo for Alrijne ziekenhuis, featuring the word "Alrijne" in a white script font and "ziekenhuis" in a smaller white sans-serif font, both on a dark purple rectangular background.

Alrijne
ziekenhuis

Symposium voor fysiotherapeuten
Dinsdag 8 en woensdag 9 november 2016
20:00 – 22:00 u.
Alrijne Ziekenhuis Leiderdorp

De juiste locatie voor een heupscopie...

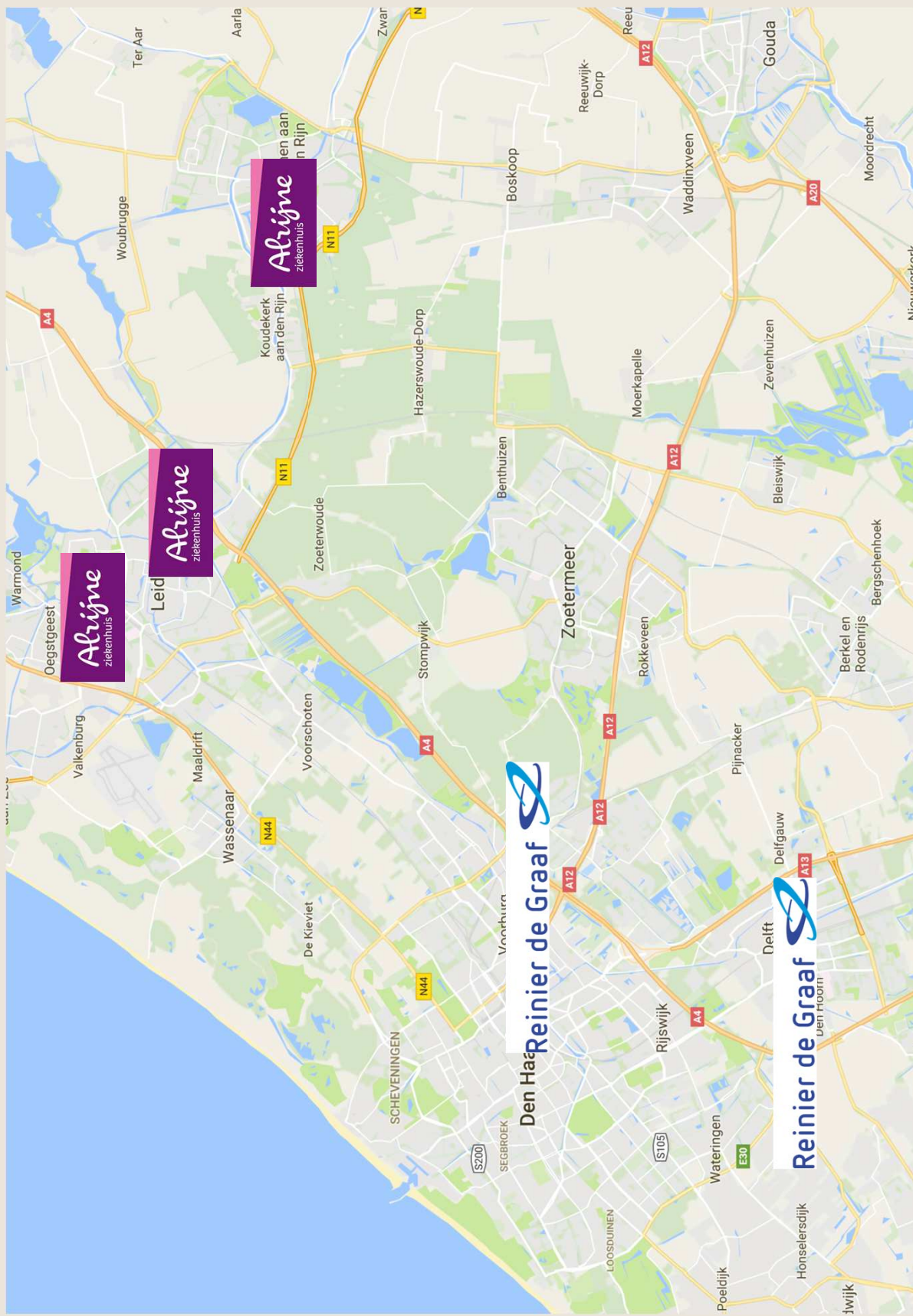
Casuspresentatie en inleiding in de heupscopie

Rolf Bloem, orthopedisch chirurg

Reinier de Graaf

Live surgery: Sebastiaan Jansen

Alrijne
ziekenhuis



Den Haag
Reinier de Graaf

Reinier de Graaf
Delft

Samenwerking...

HeupScopie.nl
center of excellence

Indeling presentatie en live surgery

Indeling voordracht en live surgery

- Zaal – casuspresentatie
- OK – kennismaking team en positionering
- Zaal – anatomie vanuit scopisch perspectief
- OK – diagnostische ronde
- Zaal – FAI
- OK – labrumrefixatie
- Zaal – FAI (vervolg)
- OK – perifere compartiment
- Zaal – afsluiting

Casuspresentatie

Dinsdag 8 november

Vrouw, 35 jaar, rechter heup

- Anamnese
 - Sinds 1,5 jaar last van de lies
 - Ontstaan na de bevalling
- Lichamelijk onderzoek
 - ROM licht afgenomen
 - Positieve impingementtest (fadir)
- Aanvullend onderzoek
 - X: hoge CEA, gering cross-over sign
 - Infiltratie: direct volledig effect
 - MRI: labrumruptuur



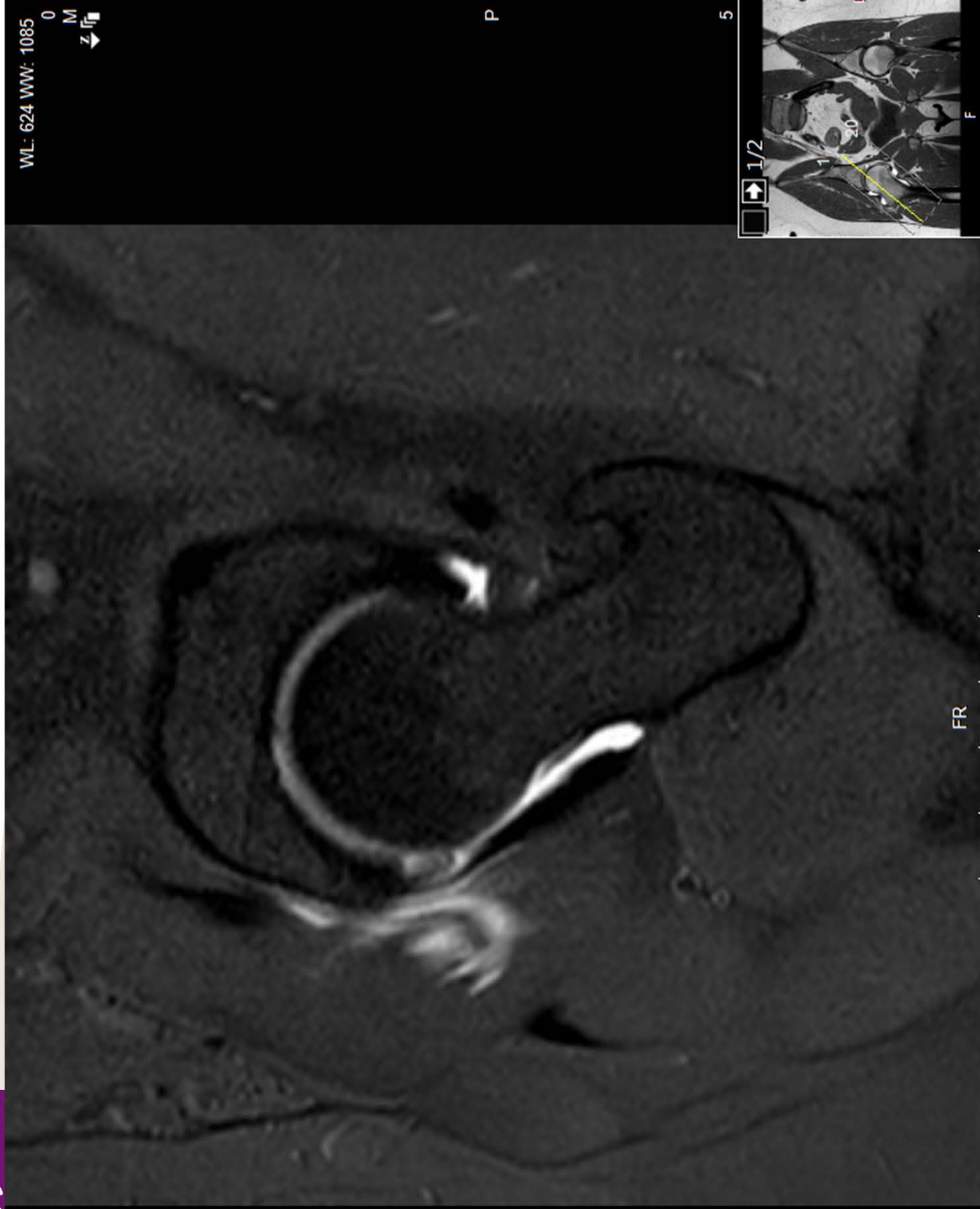
Image no: 1
 2016-02-12
 87,5 kV, 26 mAs
 uAs: 25540
 EXI: 459
 Dosis: 8,91 $\mu\text{Gy} \cdot \text{cm}^2$
 12-2-2016, 10:23:12

F

1

T1 obl spir CLEAR
Plakdikte: 3,0
Seq.: SE
TR: 707
TE: 10
Flip: 90
NSA: 2
FoV: 150
RFoV: 100
NLBVT0302503328

WL: 624 WW: 1085
2016-07-27
Positie: 39,6
Scan: 8
Pos: HFS
Beeld 8 van 20
Image no: 13
27-7-2016, 15:03:06



WL: 624 WW: 1085
0
M
z

P

5

1/2

FR

F

Casuspresentatie

Woensdag 9 november

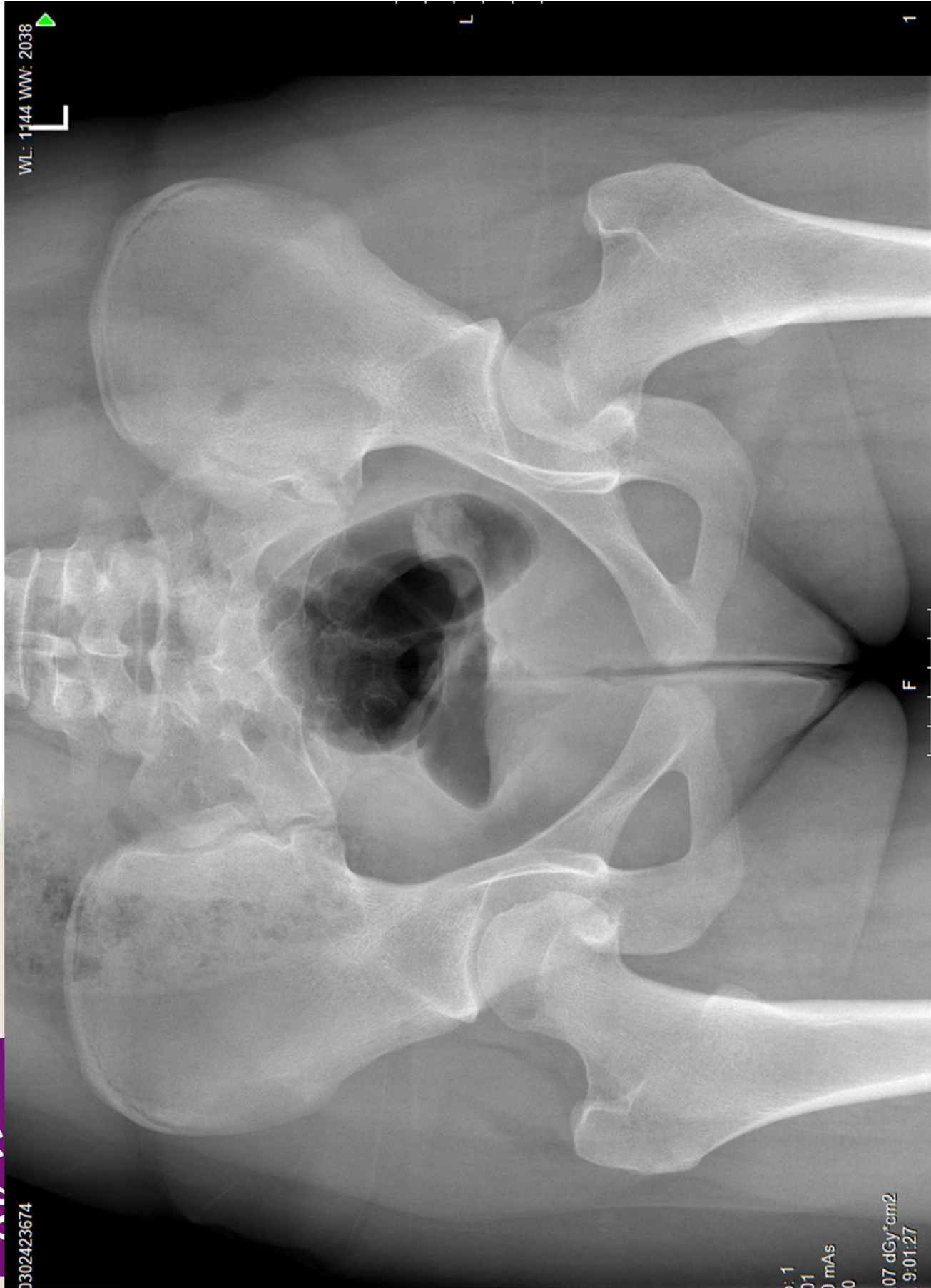
Vrouw, 19 jaar, linker heup

- Anamnese
 - Sinds jaren klachten in de lies
 - Knakkend gevoel meerdere malen per dag
- Lichamelijk onderzoek
 - Normale ROM
 - Positieve impingementtest (fadir)
- Aanvullend onderzoek
 - X: geen ossale afwijkingen
 - Infiltratie: direct volledig effect
 - MRI: labrumruptuur

WL: 1144 WW: 2038

NLBVTR0302423674

Image no: 1
2016-02-01
85 kV, 10 mAs
uAs: 9660
EXI: 541
Dosis: 3,07 dGy*cm2
1-2-2016, 9:01:27

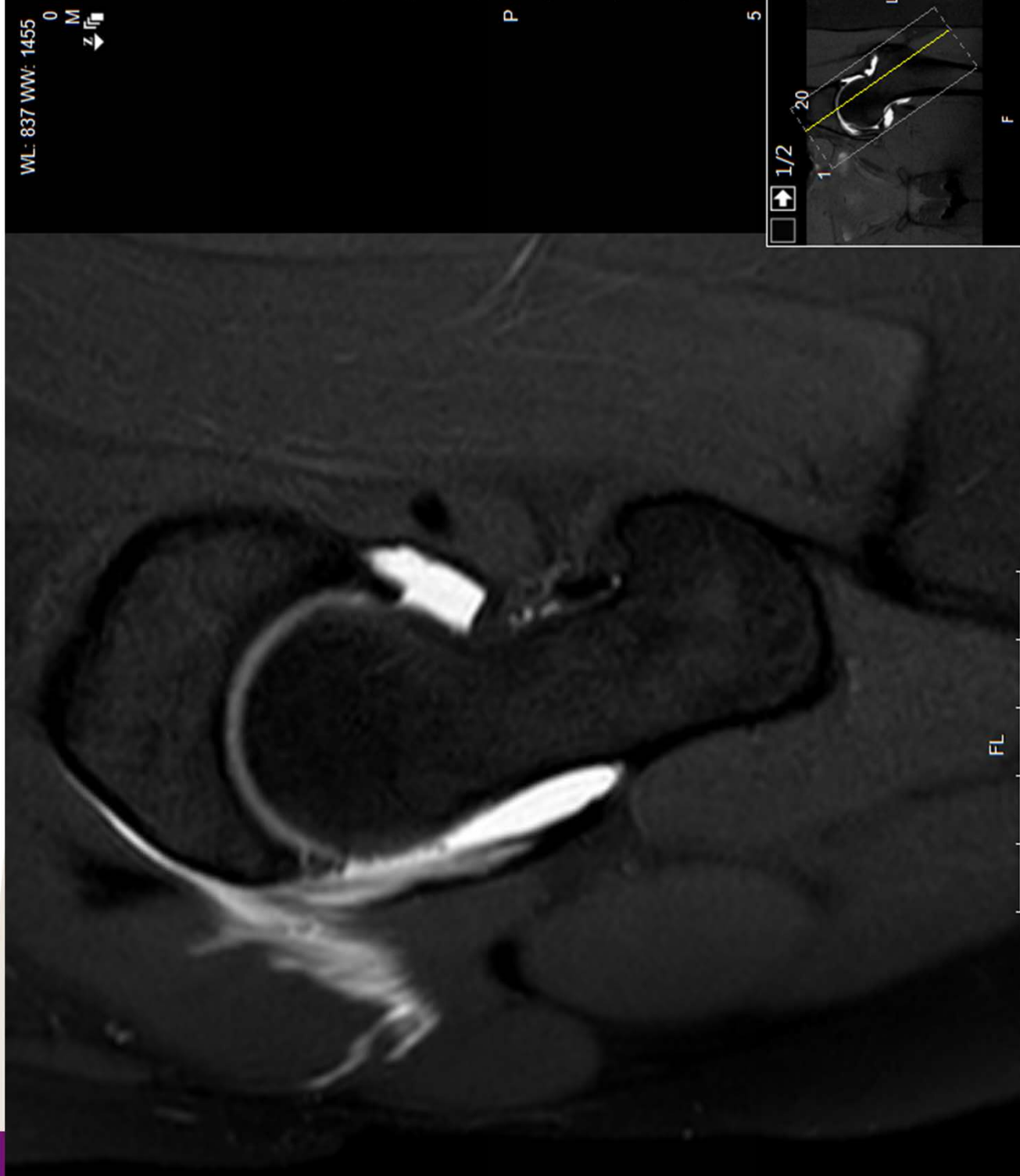


F

1

T1 obl spir CLEAR
Plakdikte: 3,0
Seq.: SE
TR: 707
TE: 10
Flip: 90
NSA: 2
FoV: 150
RFoV: 100
NLBVT0302476542

WL: 837 WW: 1455
2016-05-30
Positie: 23,1
Scan: 7
Pos: HFS
Beeld 13 van 20
Image no: 8
30-5-2016, 10:55:11



WL: 837 WW: 1455
0
M
z

5

1/2

20

1

FL

F

Anatomie van de heup vanuit een scopisch perspectief

Hip Joint

Labrum

Synovial Fluid

Articular Cartilage

Ligament and Joint Capsule

Central

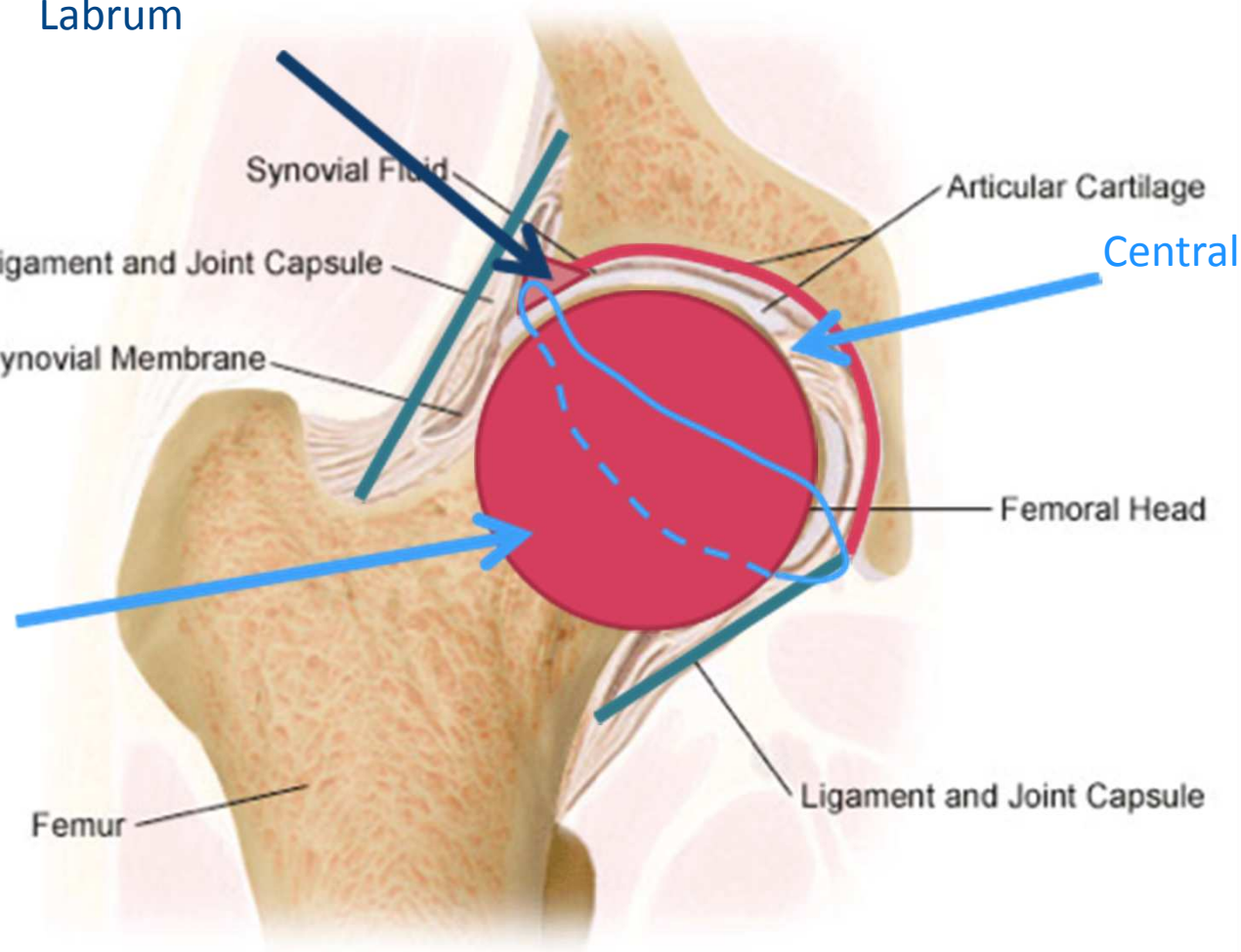
Synovial Membrane

Femoral Head

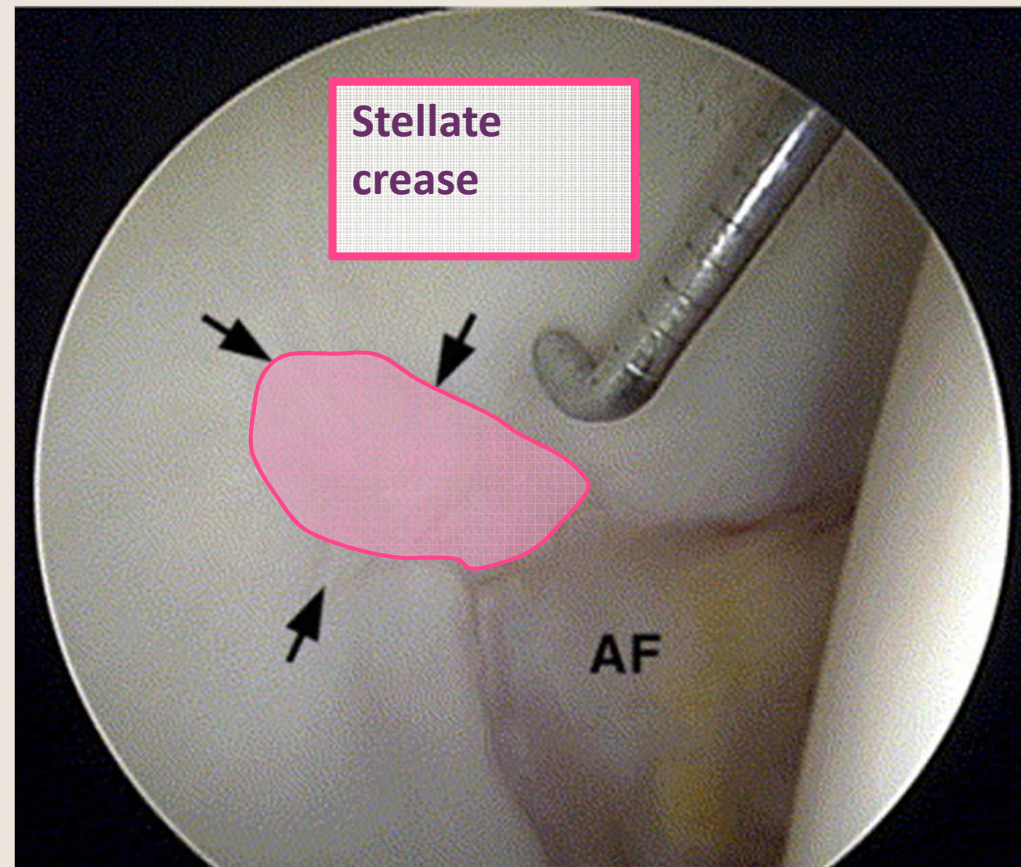
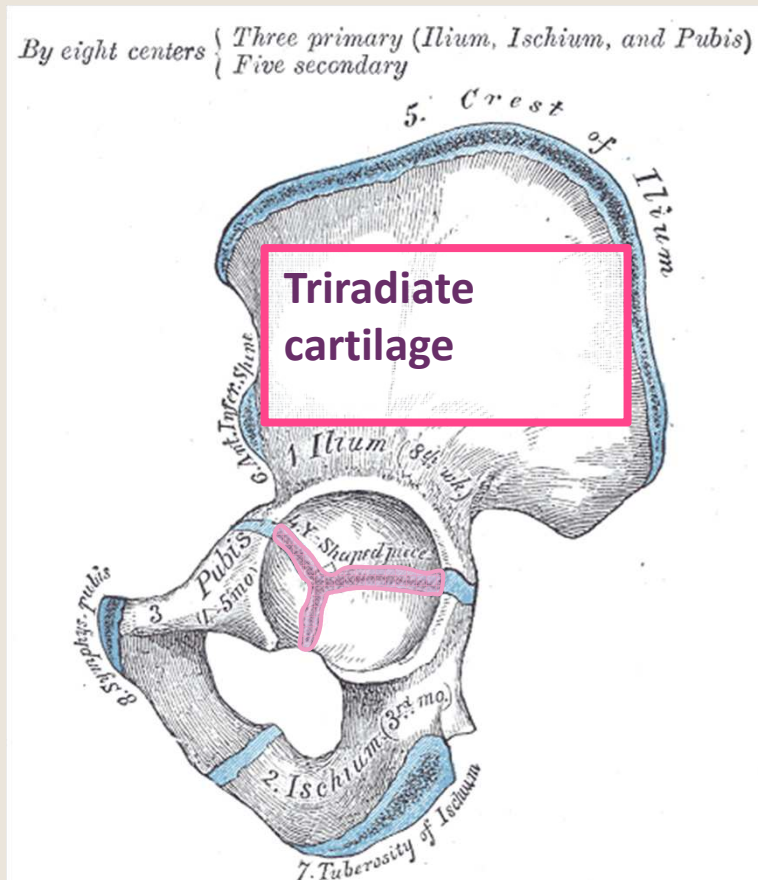
Peripheral

Femur

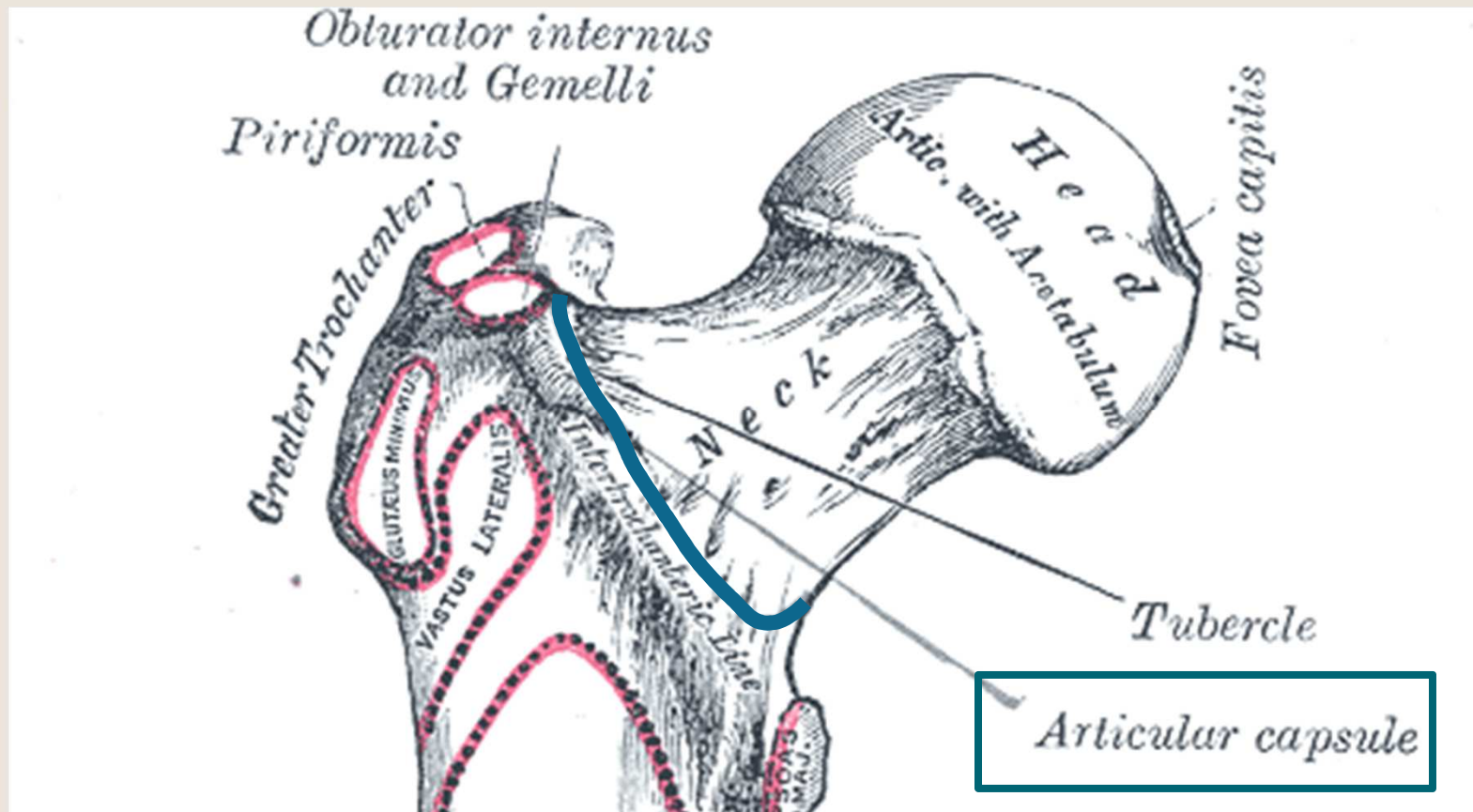
Ligament and Joint Capsule



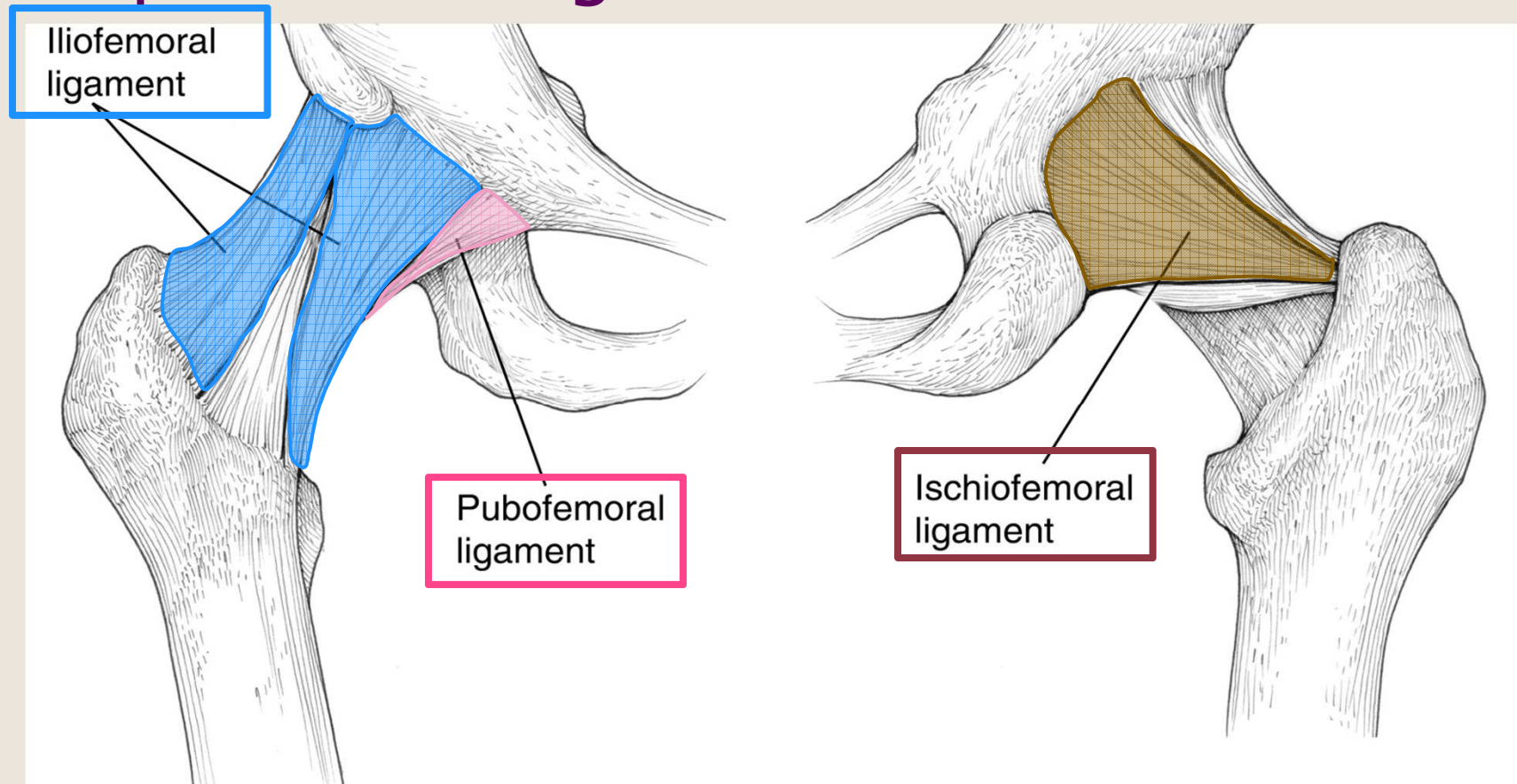
Acetabular development



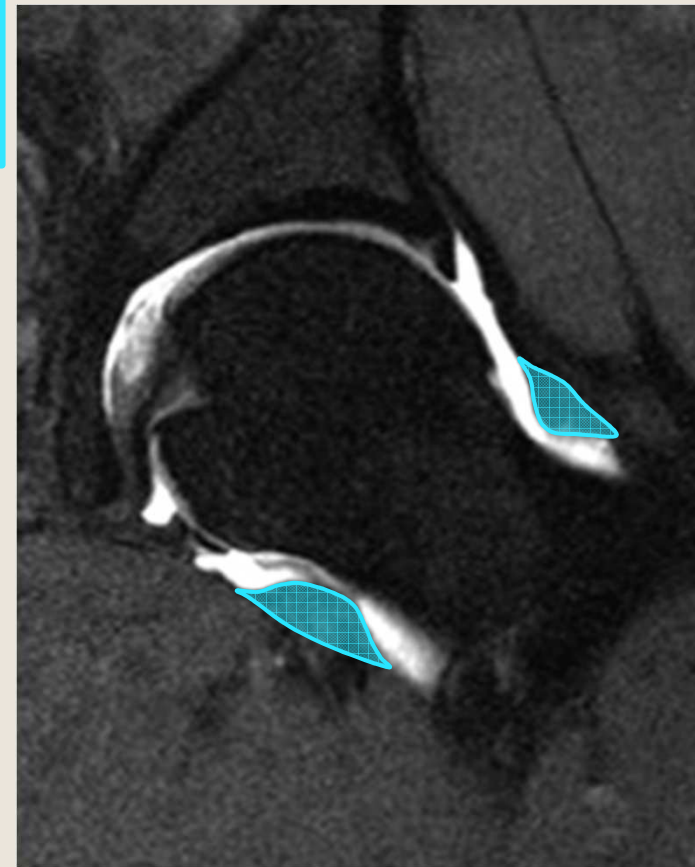
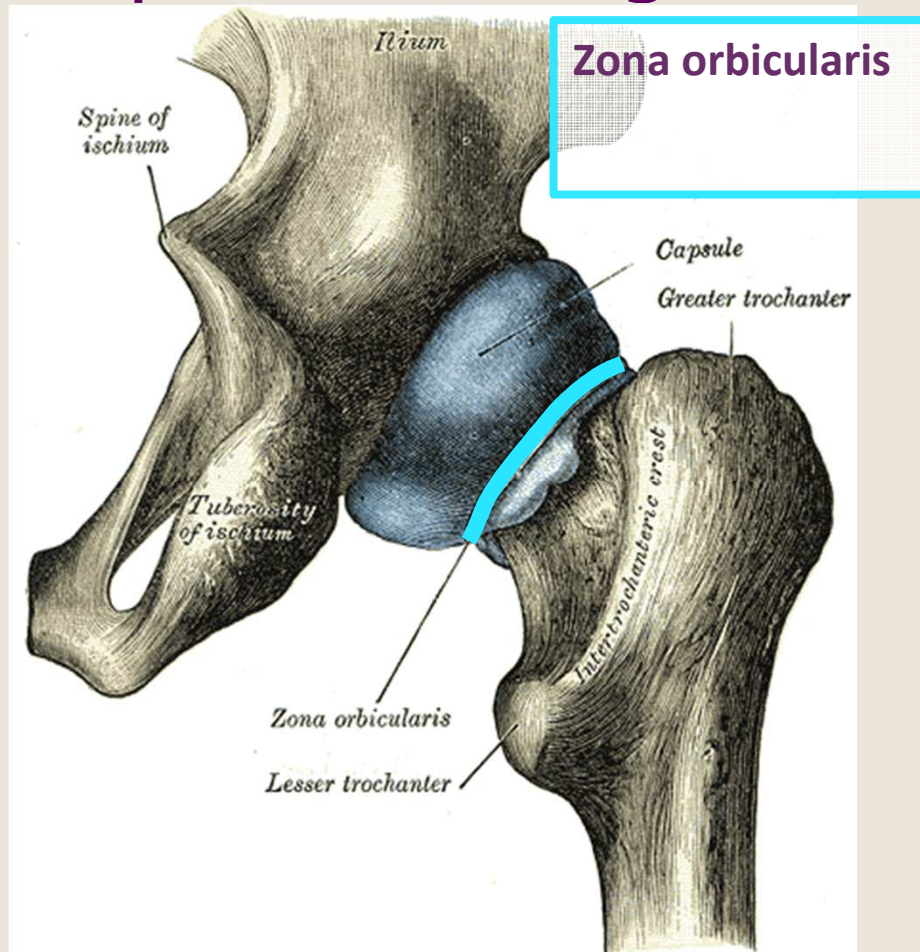
Proximal femur



Capsula and ligaments



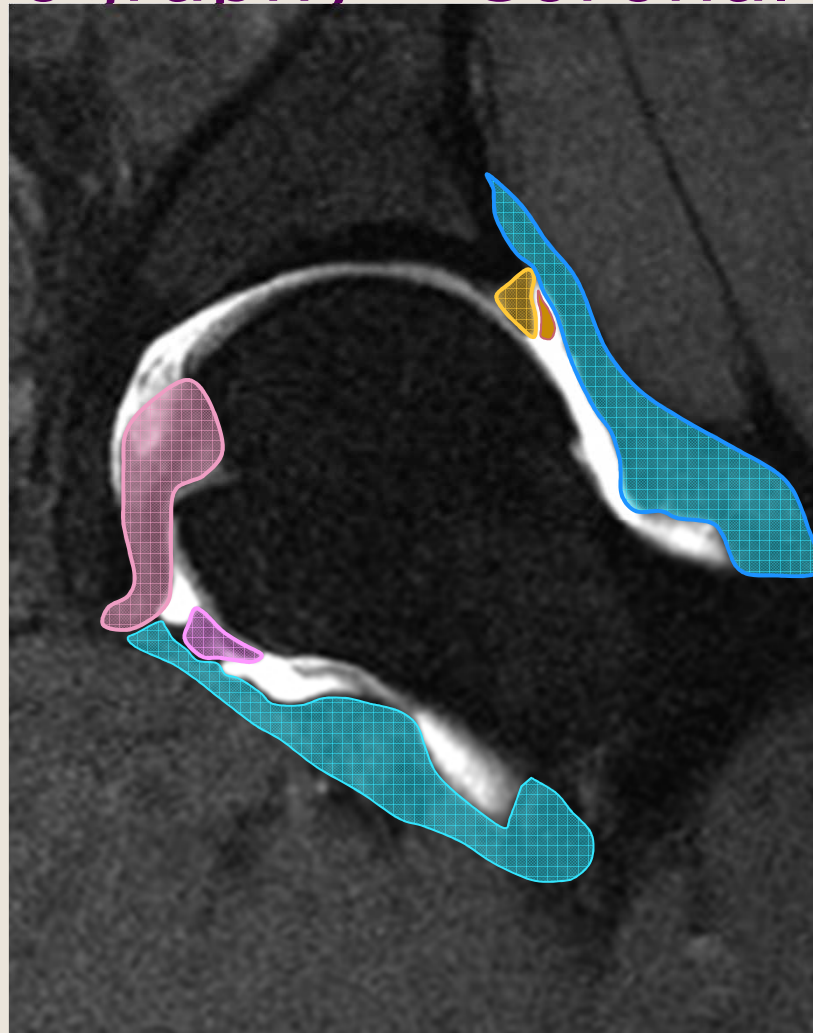
Capsula and ligaments



MRI arthrography - Coronal view

Ligamentum Teres

Transverse
ligament



Capsula

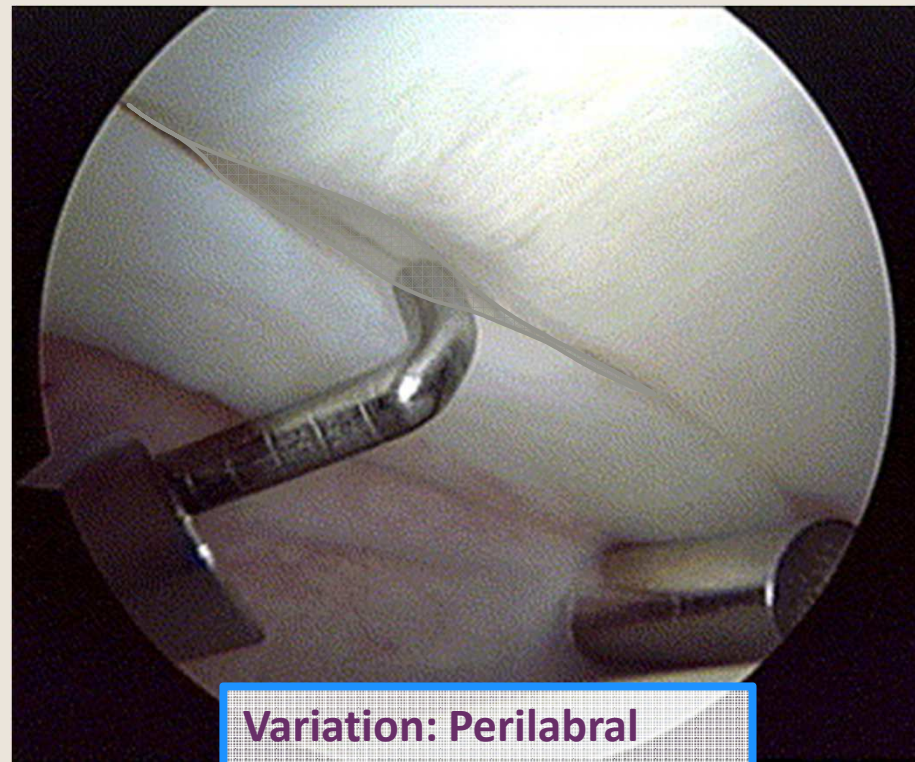
Perilabral sulcus

Labrum

Chondrolabral junction

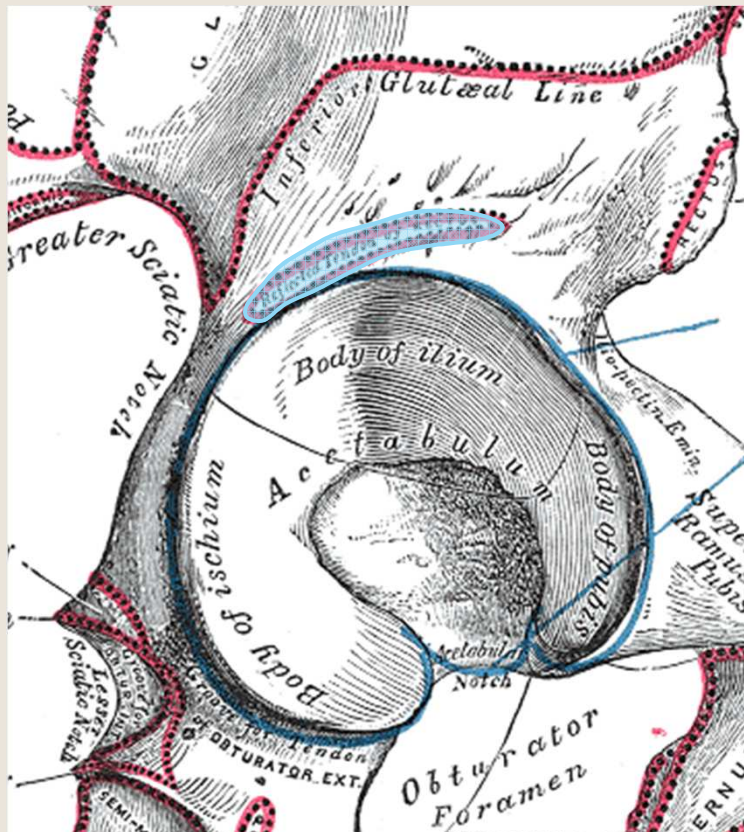


Normal

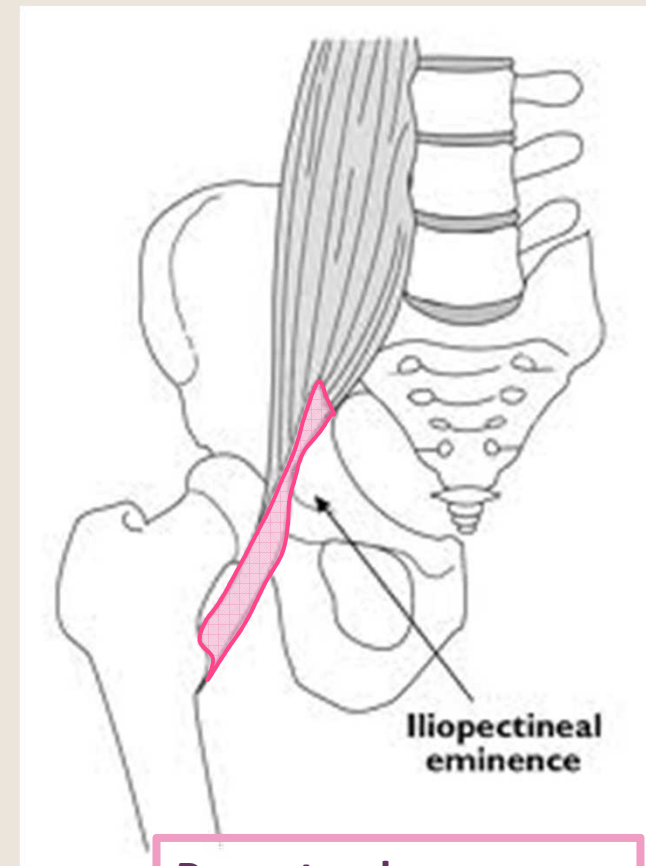


**Variation: Perilabral
cleft**

Tendons

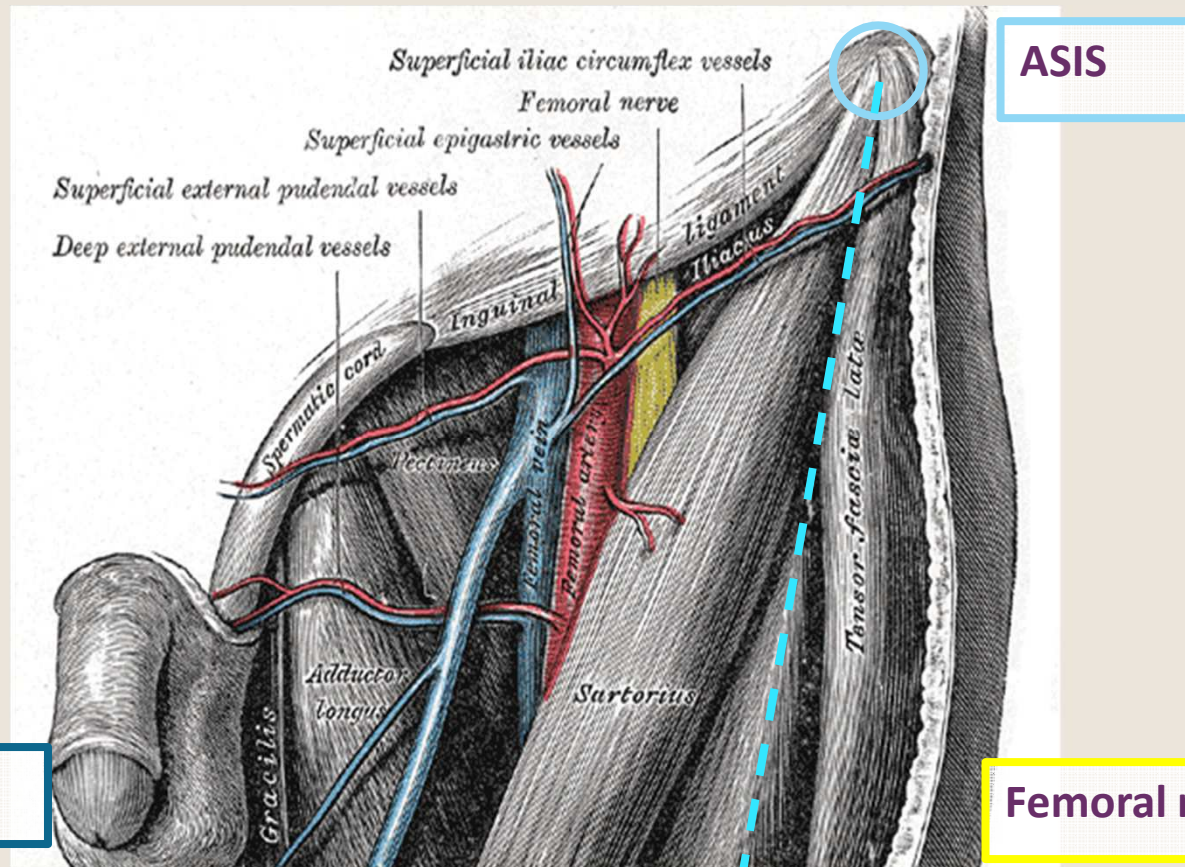


Rectus femoris tendon



Psoas tendon

Nerves and vessels



ASIS

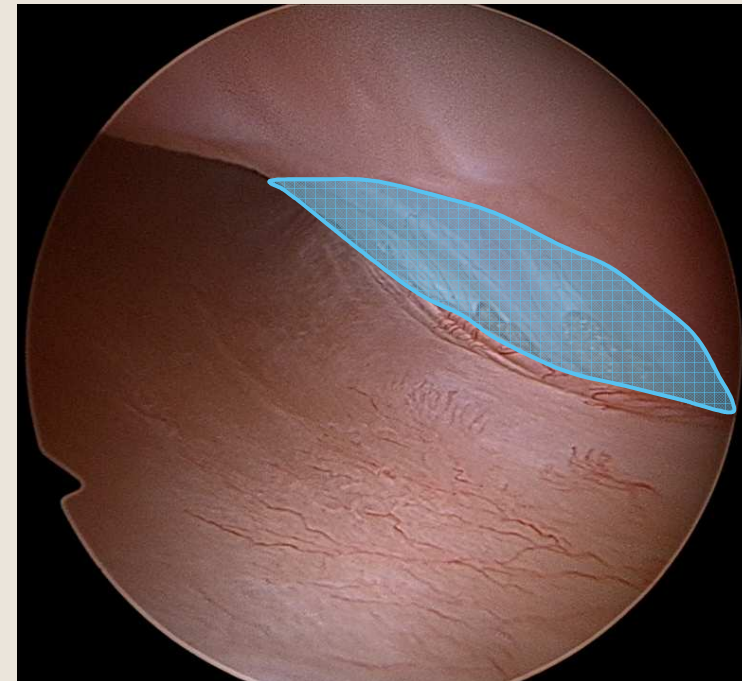
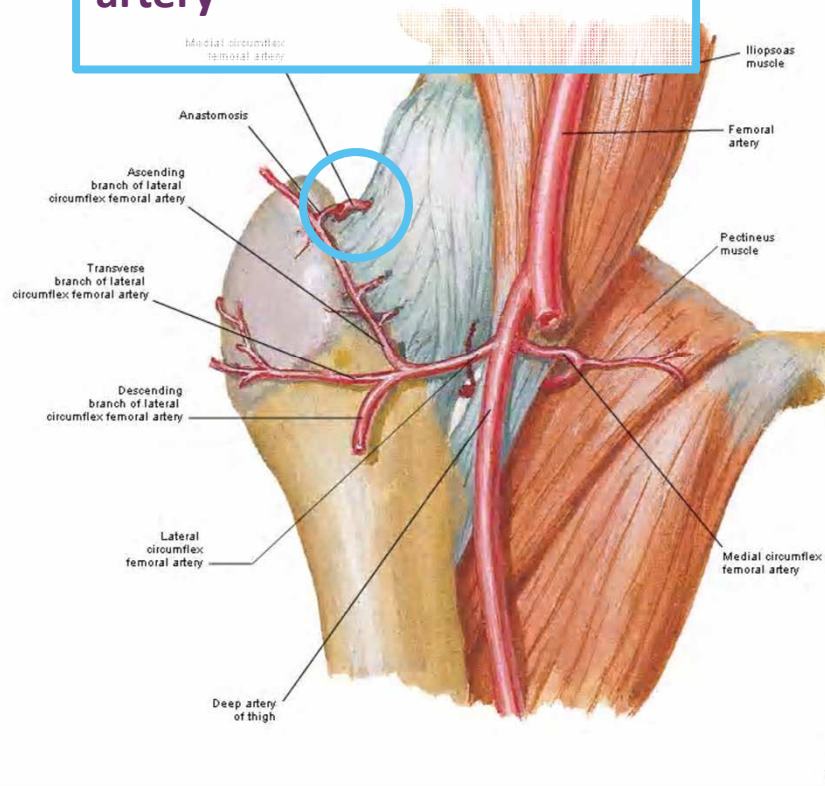
Femoral vein

Femoral artery

Femoral nerve

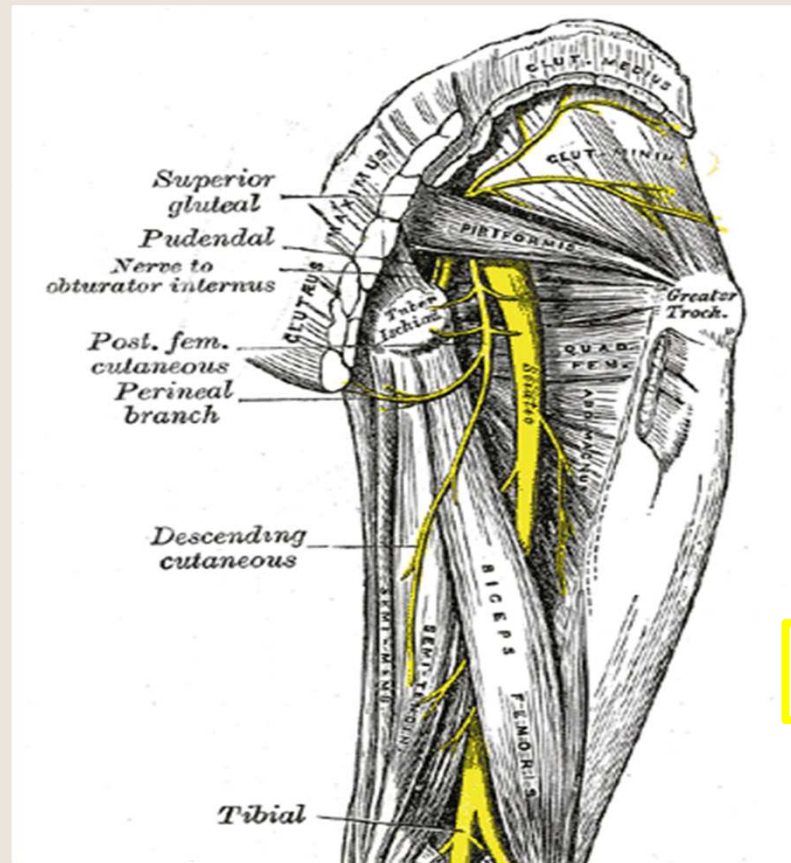
Arteries

Medial circumflex femoral artery



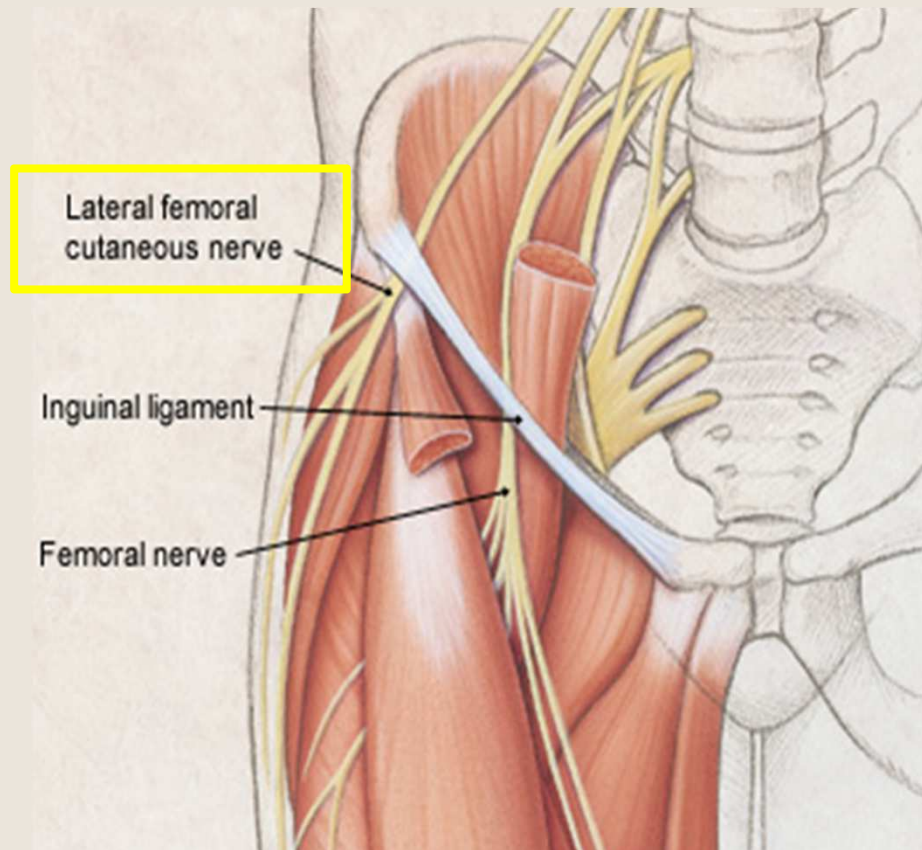
Lateral synovial fold

Nerves



Sciatic nerve

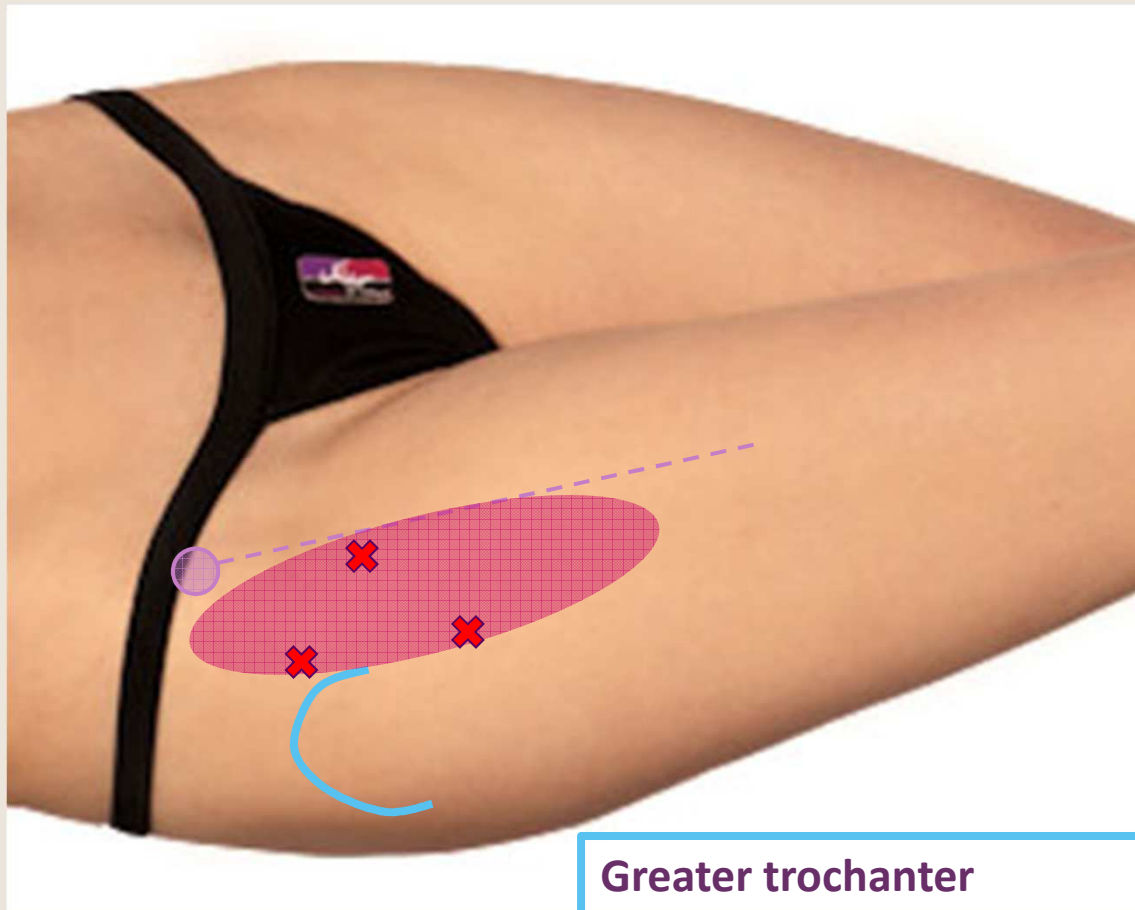
Nerves



Lateral femoral cutaneus nerve

Surface landmarks

ASIS



Greater trochanter

Femoroacetabular Impingement (FAI)

Wat is Impingement?

Labrum



FemoroAcetabular Impingement (FAI)



Kraakbeen



Hip morphology influences the pattern of damage to the acetabular cartilage

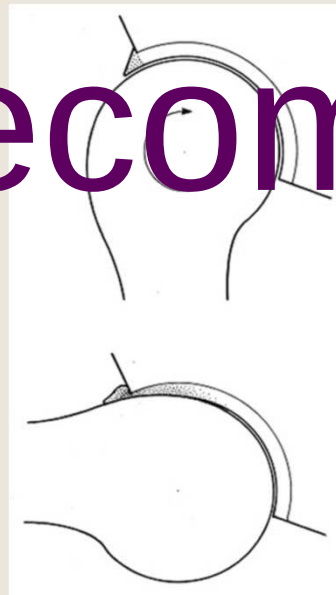
FEMOROACETABULAR IMPINGEMENT AS A CAUSE OF EARLY OSTEOARTHRITIS OF THE HIP

M. Beck,
M. Kalhor,
M. Leunig,
R. Ganz

Gecombineerd

Cam

17.4%



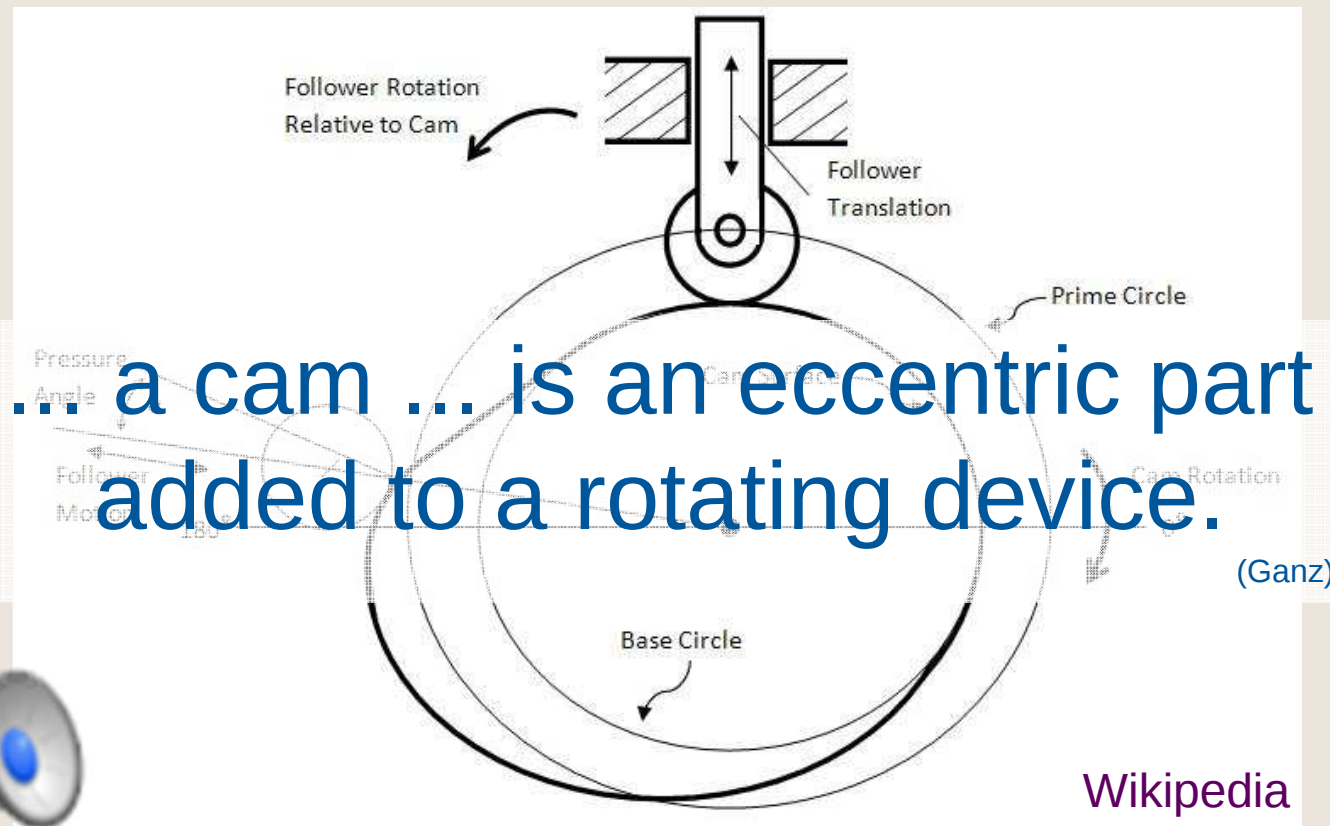
71.8%



Pincer

10.7%

Wat betekent 'cam'?



Hoe zien we

Collumf

‘Primaire’ Cam?

ysiolysis

Juvenile arthritis

M. Perthes



Primair kraakbeenschade

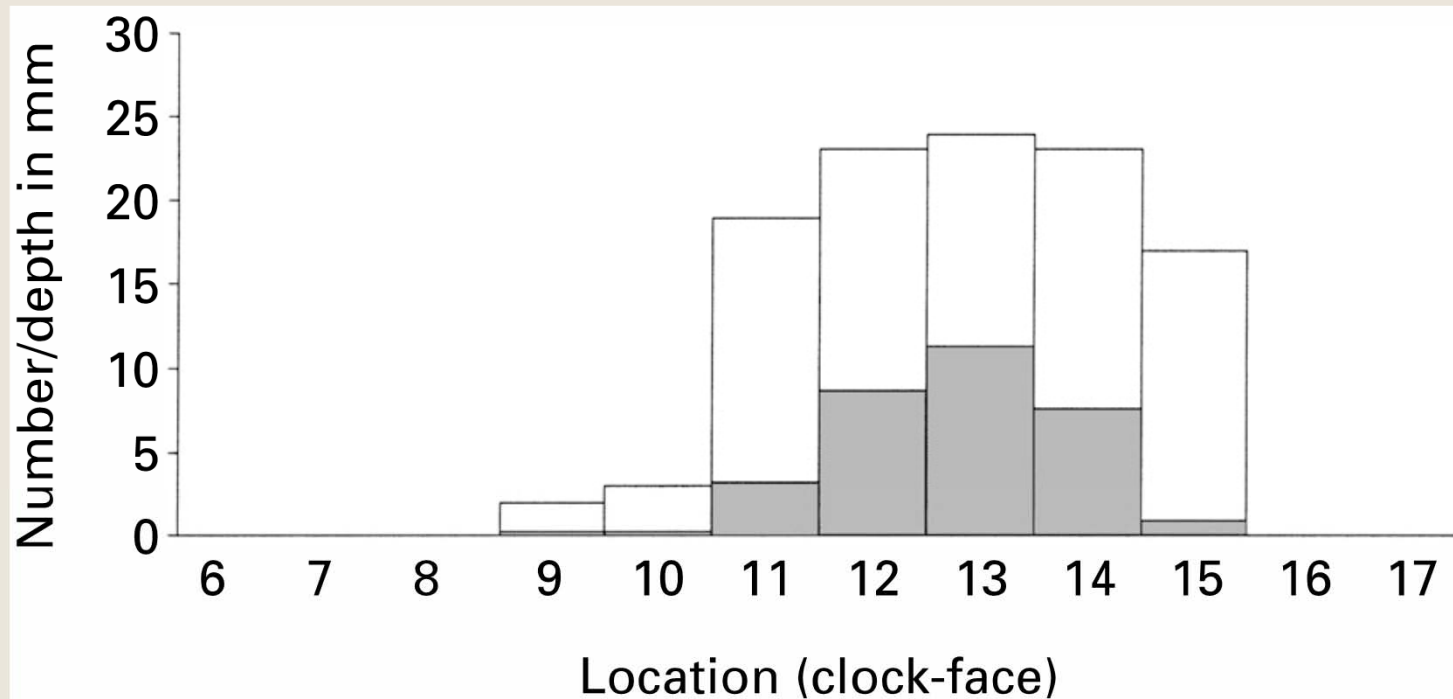


Fig. 3

Distribution (white) and depth (grey) of the cartilage lesions in the hips with a cam impingement (n = 26).

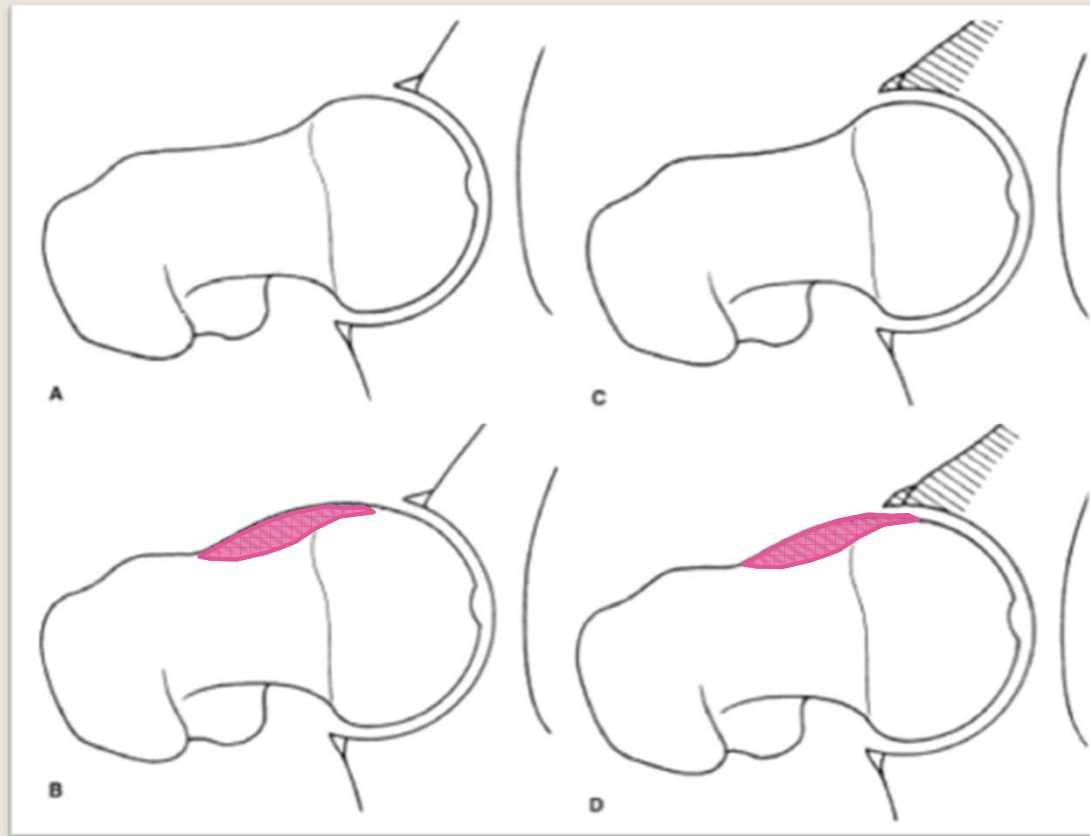
Ganz



Secundair labrumschade

- Instabiliteit van de chondrolabrale overgang
- Loslating van het labrum van de acetabulurand

FAI – type cam





Wat is een 'Pincer' ?

The labrum is compressed
between the femoral neck and
the underlying bone...



(Ganz)

Hoe ziet een pincer er uit?



Coxa profunda

Protrusio acetabuli

Retroversie



Primair labrumbeschadiging

- Degeneratie door compressie
- Ossificatie

Secundair kraakbeenschade

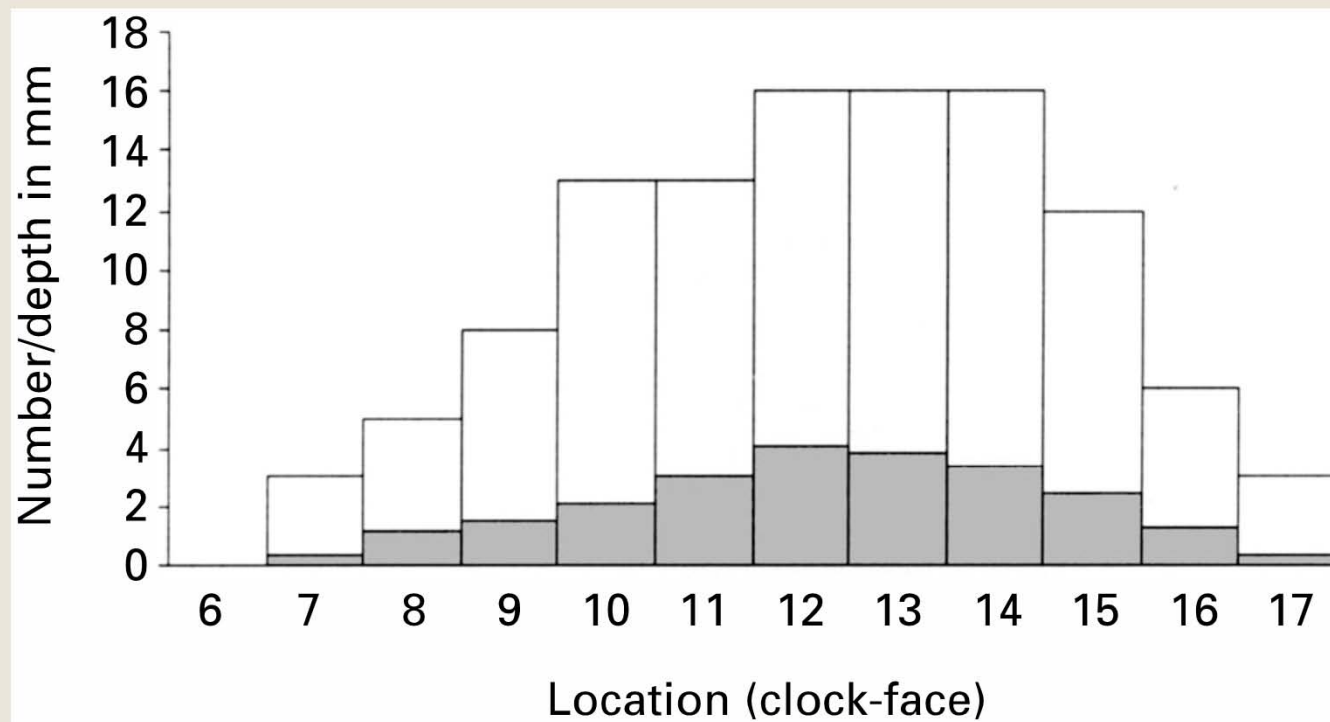
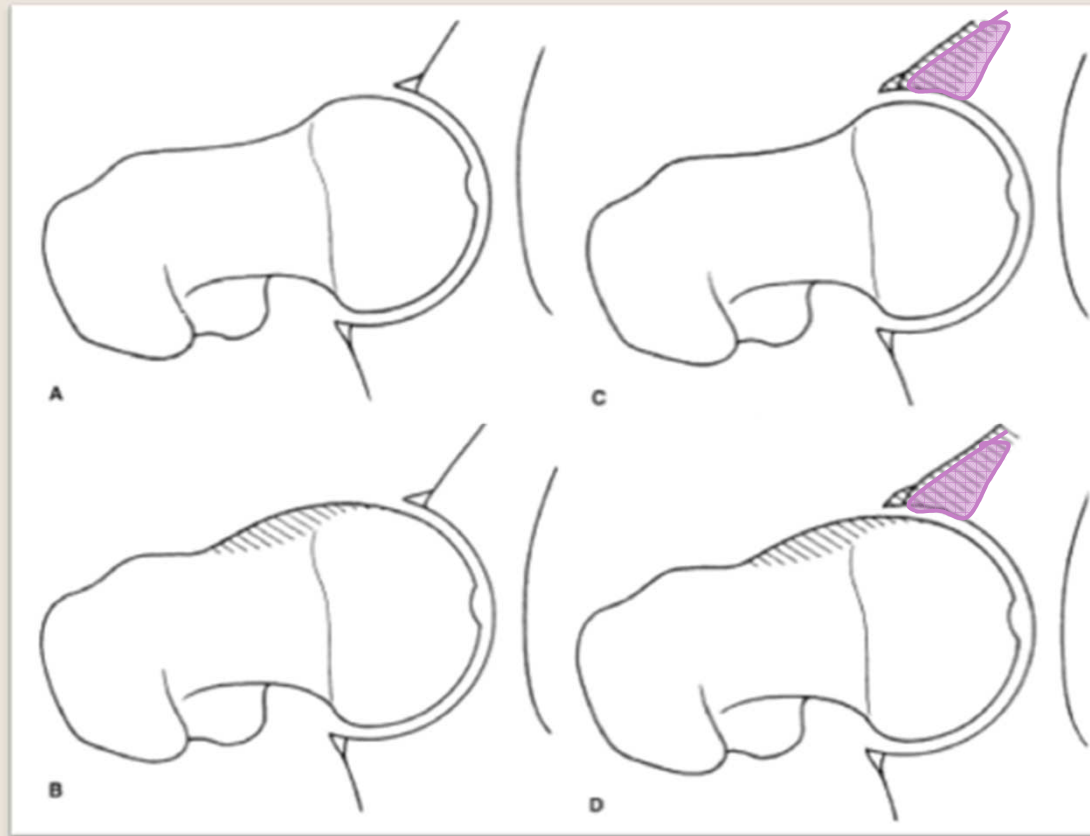


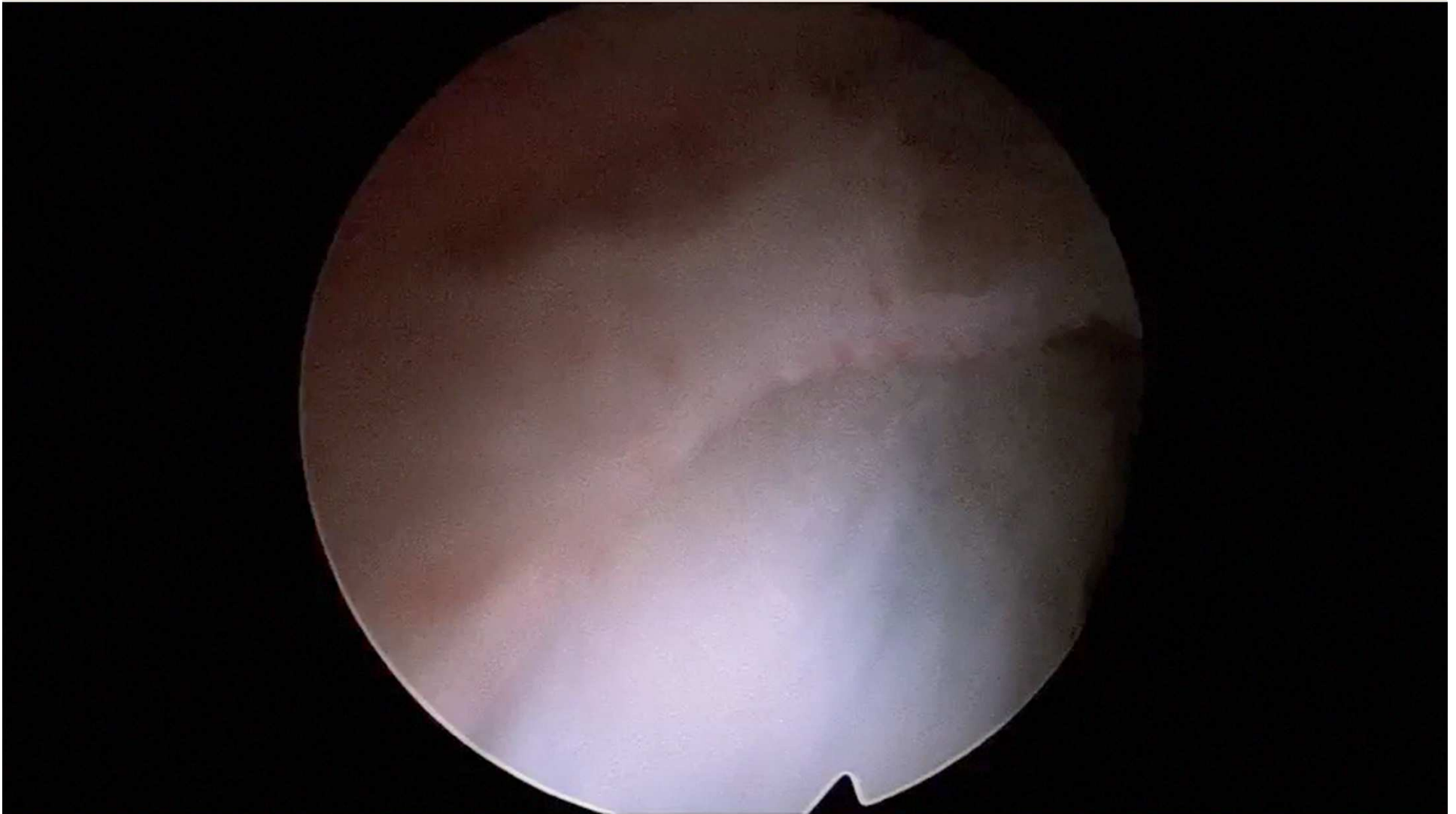
Fig. 4

Distribution (white) and depth (grey) of the cartilage lesions in the hips with a pincer impingement (n = 16).

Ganz

FAI – type pincer







info@heupscopie.nl

Alrijne
ziekenhuis

Dank voor uw aandacht!