

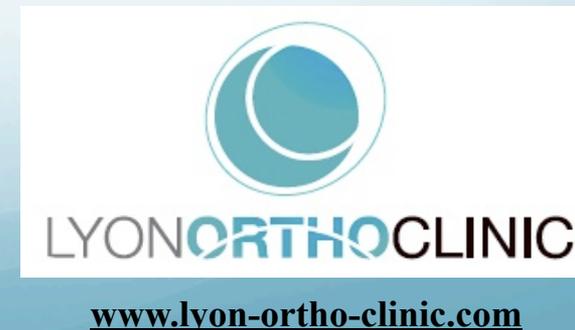
Sélectionner le bon patient :

Notion de hanche à interligne normal

Nicolas BONIN M.D.

Hip Arthroscopy and Surgery

LYON - FRANCE



Imagerie d'une came = Bassin de face



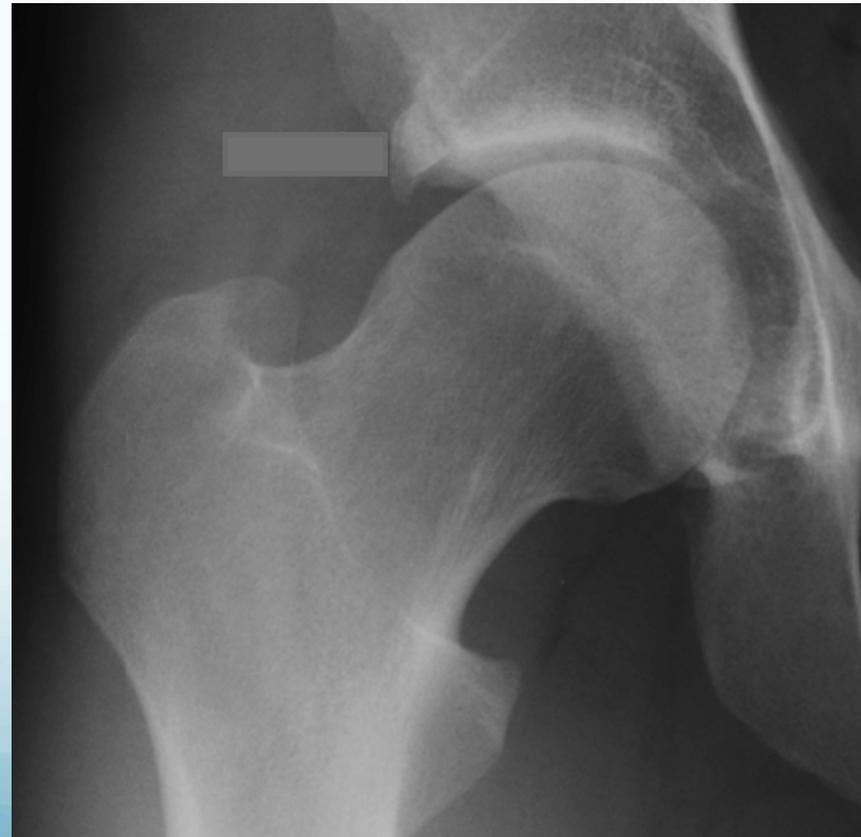
Imagerie d'une came = Bassin de face

Tête Phalique = suspecter une came antéro-supérieure



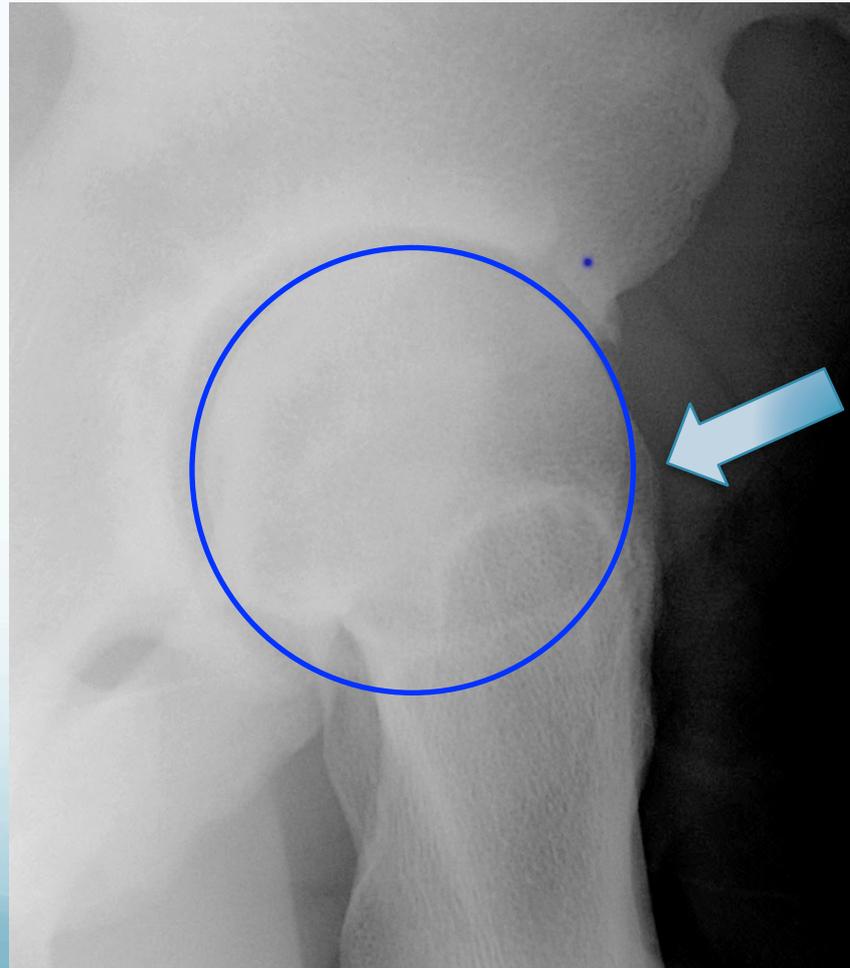
Imagerie d'une came = Bassin de face

Pistol Grip = Offset supérieur diminué
=> suspecter une came antéro-supérieure



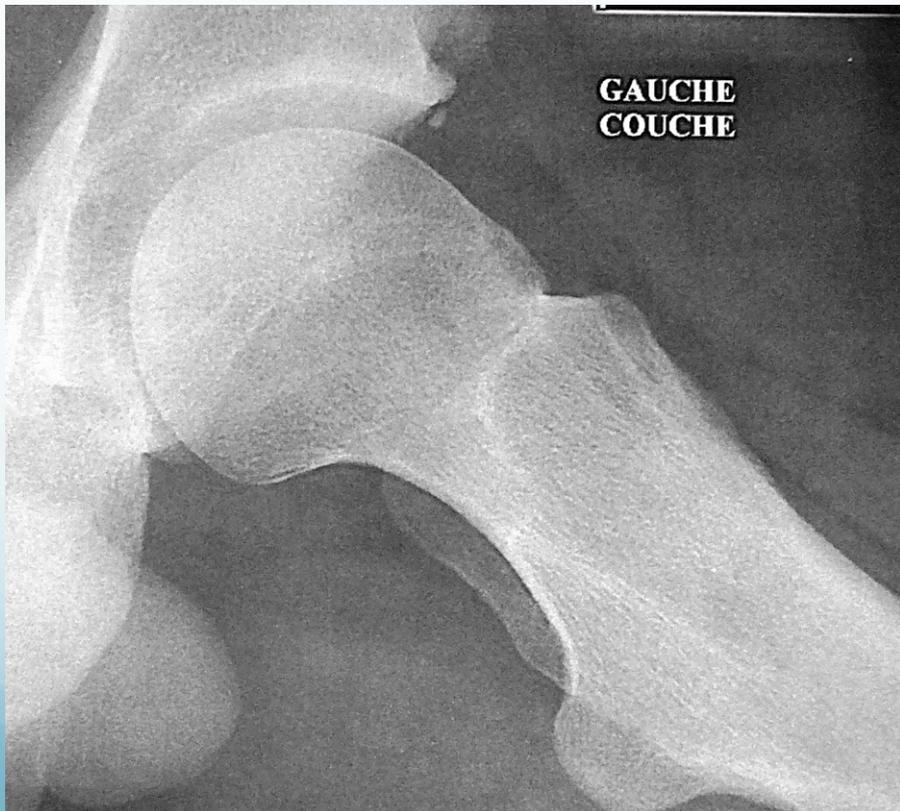
Imagerie d'une came = Faux Profil Lequesne

Bien rechercher la came...



Imagerie d'une came = PROFILE AXIAL

Se méfier des imitations...



Imagerie d'une came = PROFILE AXIAL

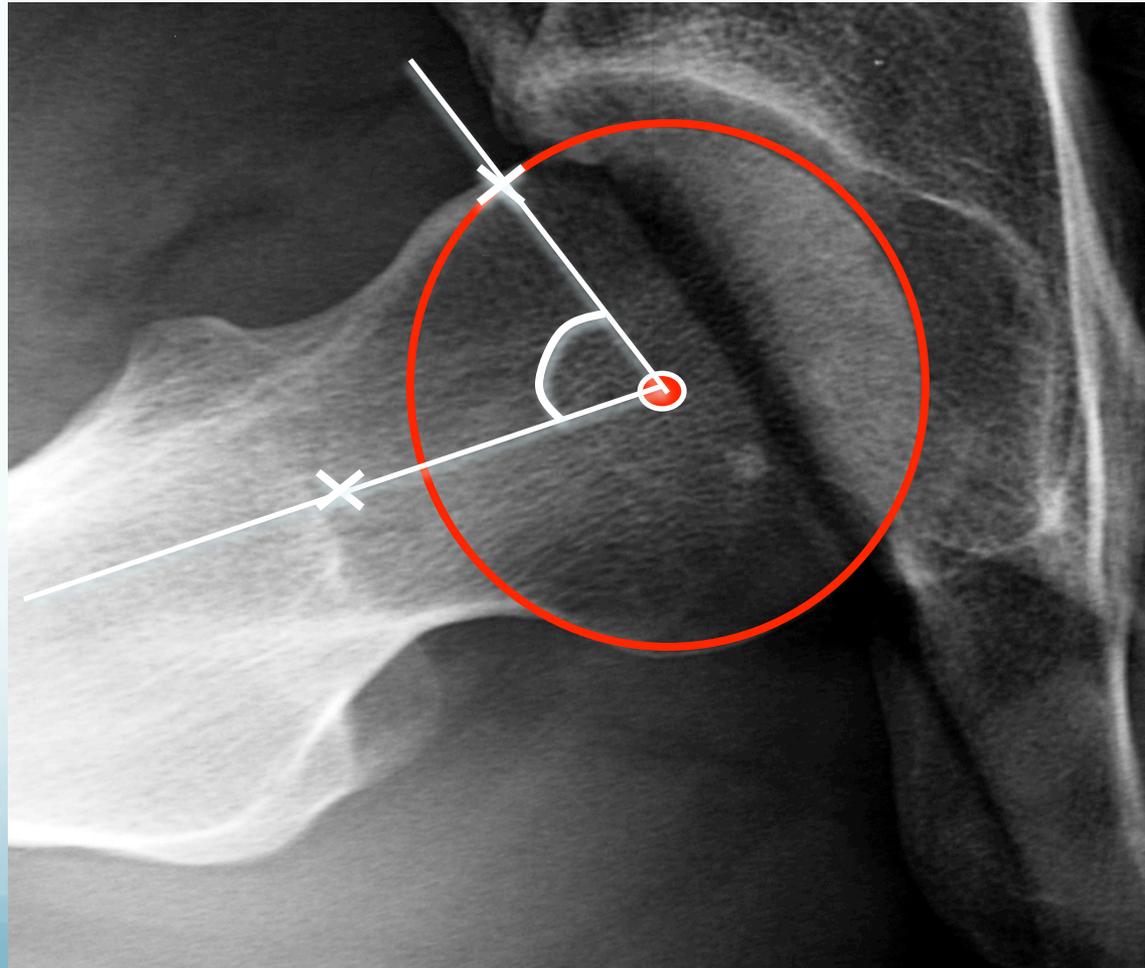
Mesure de l'angle alpha ($< 50^\circ$)

Notzli (IRM)

JBJS Br, 84(4), 2002

Philippon (Radio)

Arthroscopy 2008

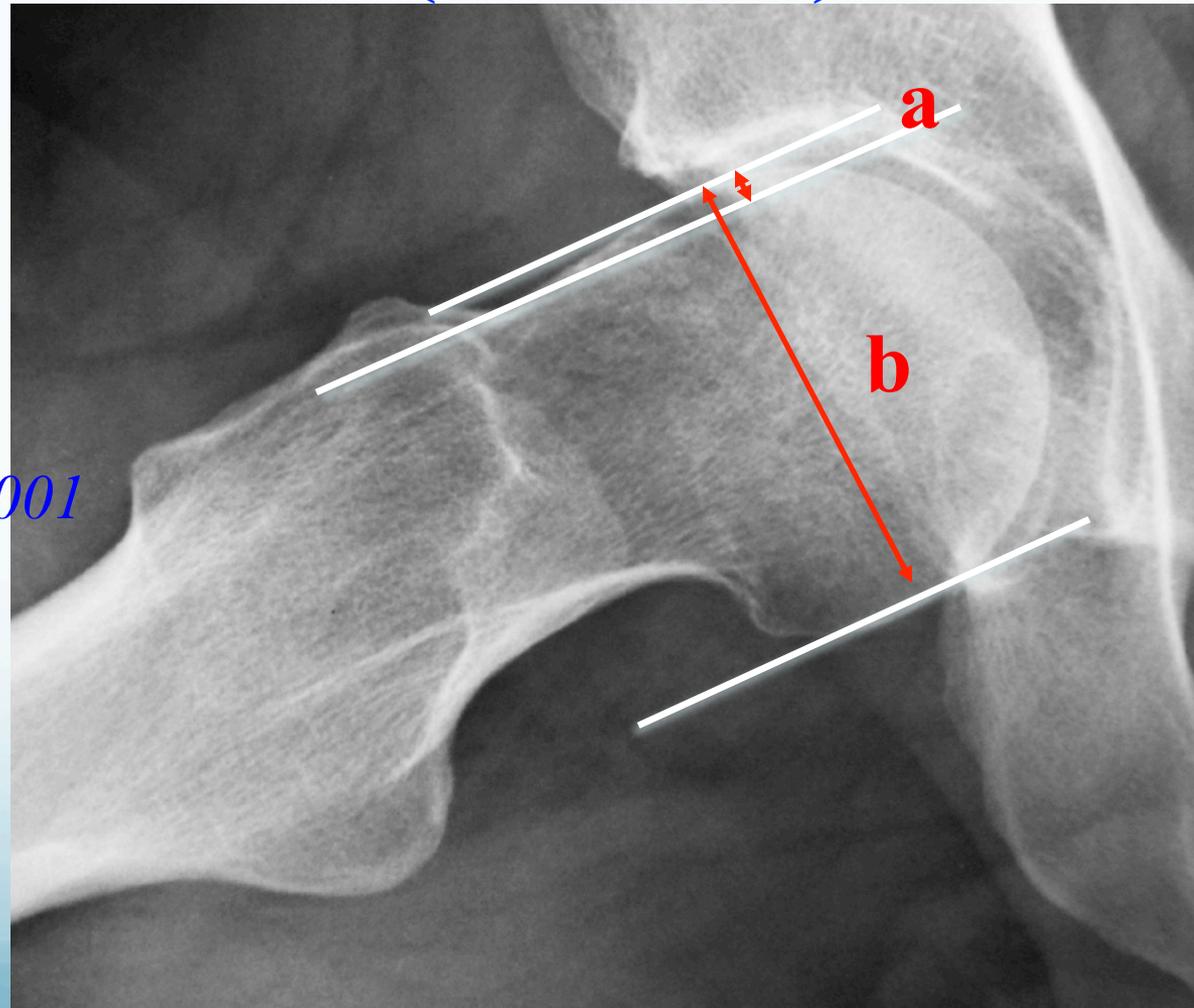


Imagerie d'une came = PROFILE AXIAL

Mesure de Offset antérieur ($a/b > 0.15$)

Eijer,

J Orthop Trauma, 15(7), 2001



Interrogatoire

Sport à grande amplitude

Douleur Inguinale

Douleur Assis



Examen

Test du conflit

= Impingement Test

Limitation Flexion - RI

Douleur Flexion-Add-Rot Int.+++

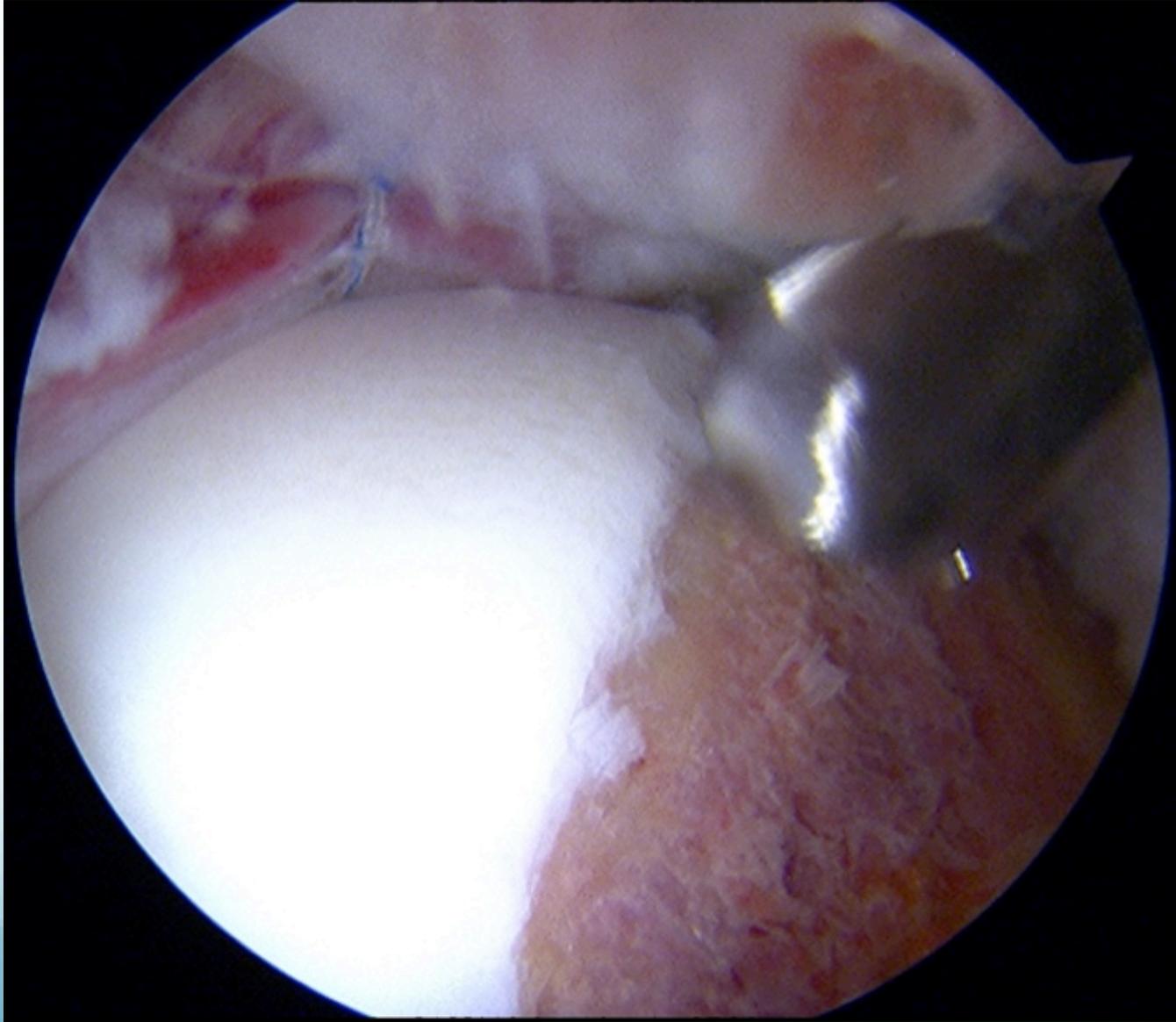
Sensibilité = 70%

Spécificité = 44%

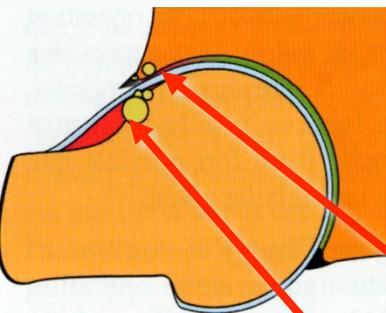
OTSR (2010) 96S, S53—S58



Traitement arthroscopique Came

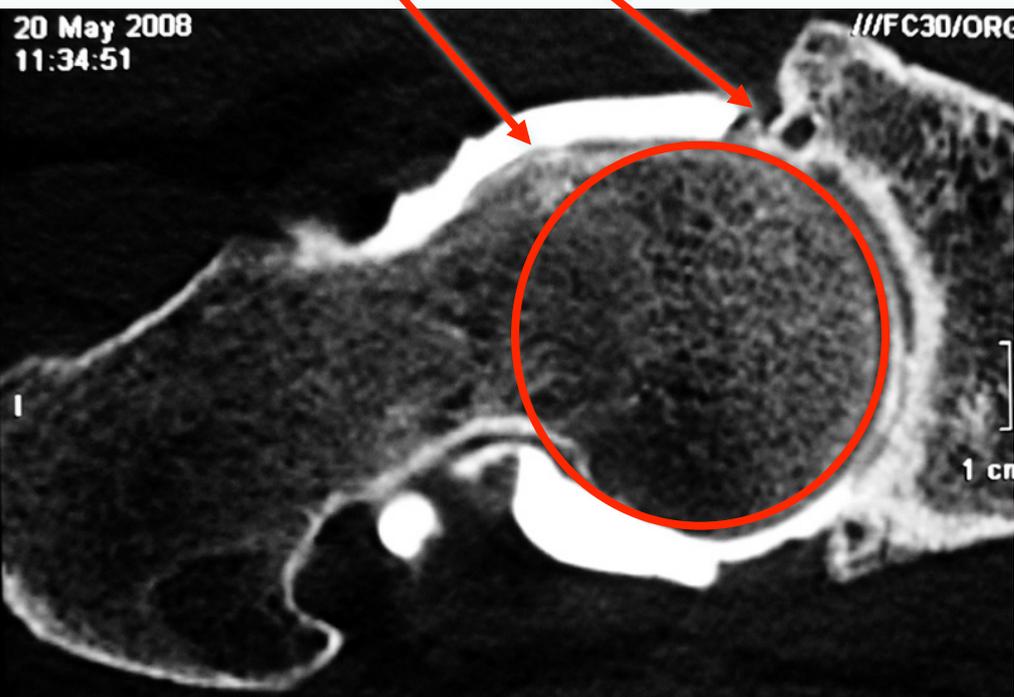


En cas de doute = Imagerie Injectée

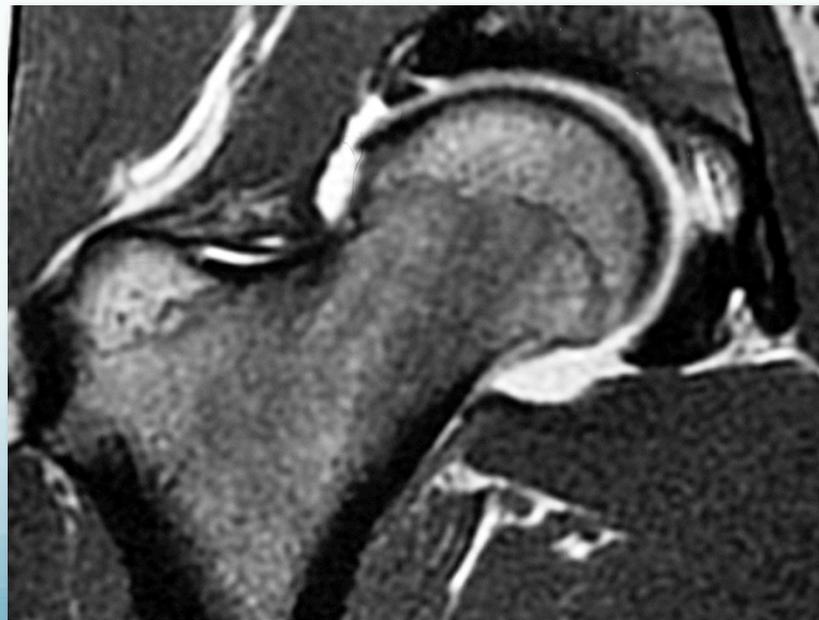


Visualisation des lésions

- Arthroscanner

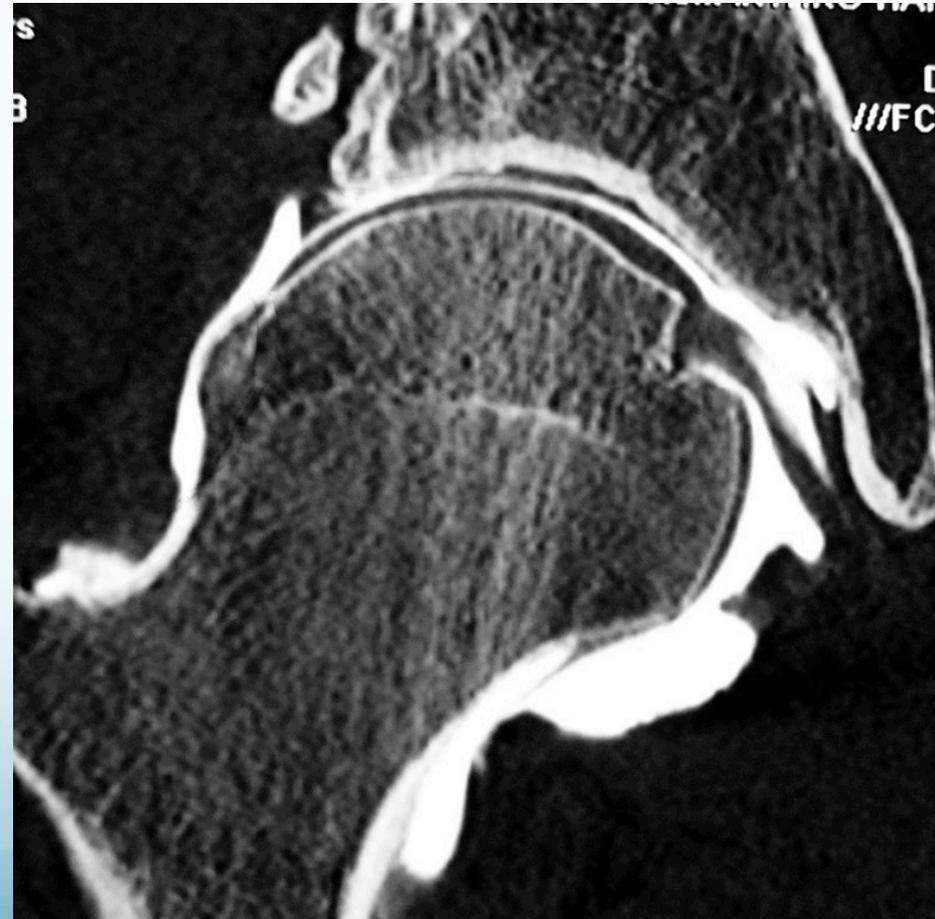


- Arthro-IRM



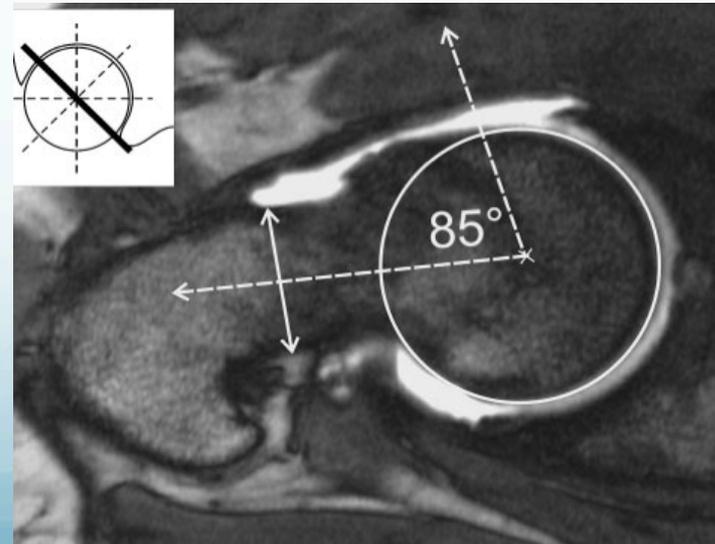
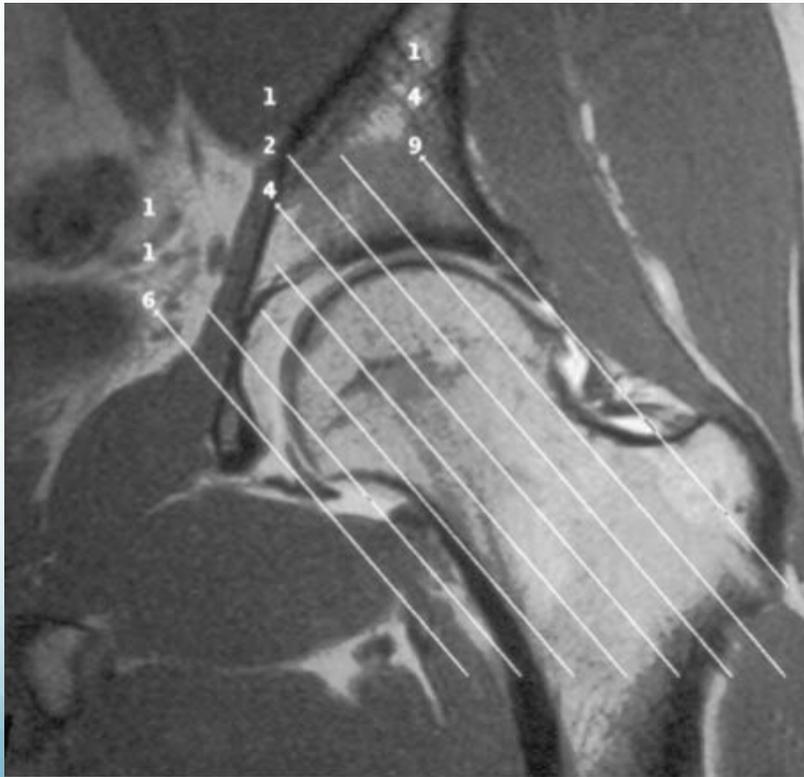
En cas de doute = Imagerie Injectée

Visualisation des lésions



En cas de doute = Imagerie Injectée

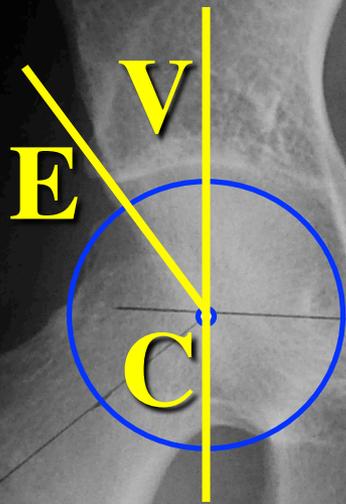
Recherche plus fine de la came



Imagerie d'une pince = Bassin de face ++

Coxa Profunda = VCE ++

Extrusion Index



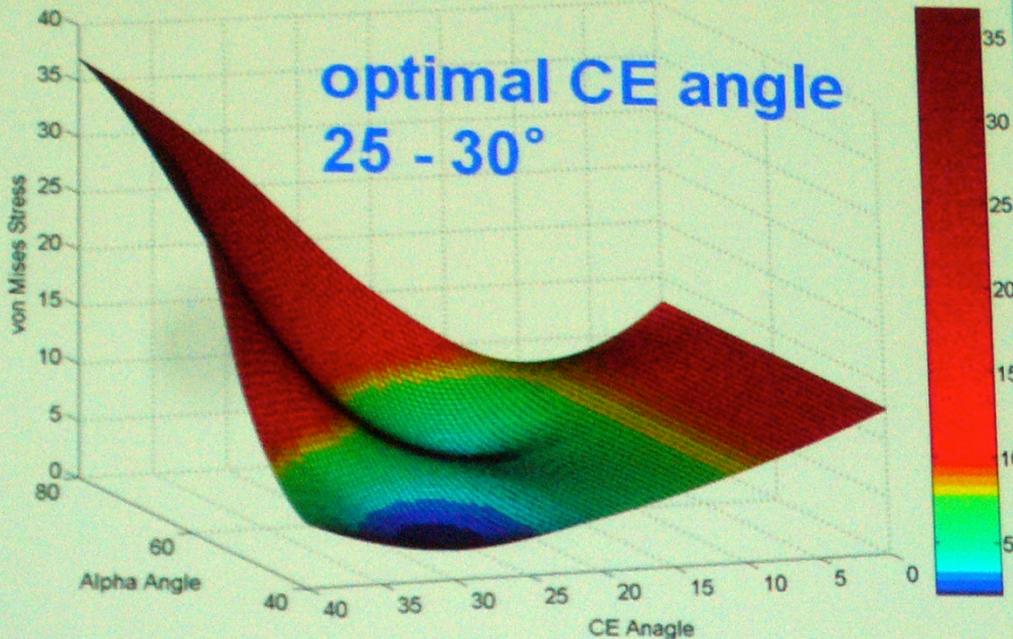
VCE > 30°

Extrusion Index

Couverture latérale de la tête fémorale

Imagerie d'une pince = Bassin de Face

Couverture acétabulaire optimale

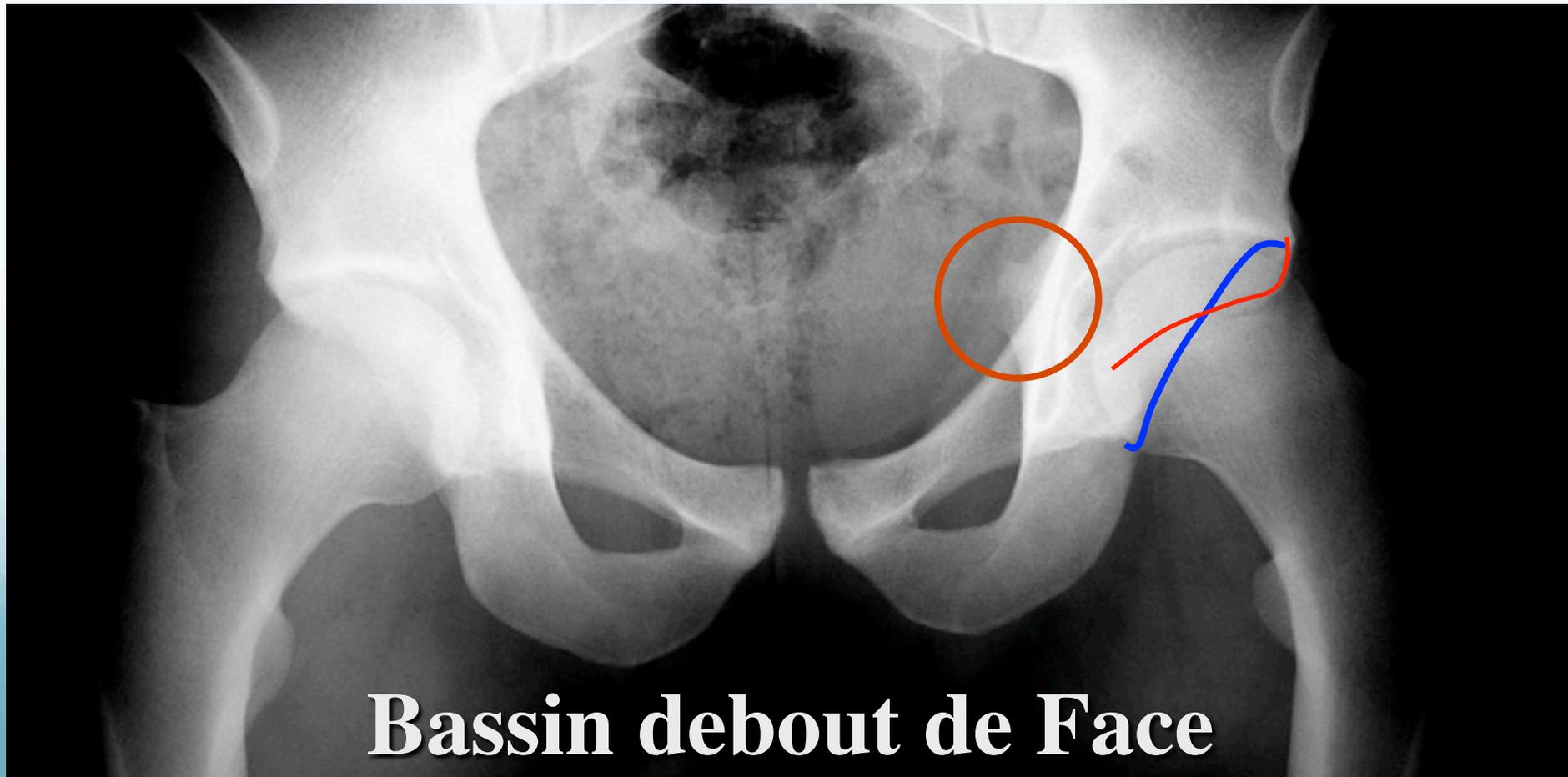


Von Mises stresses in the acetabular cartilage during daily activities (walking and stance-to-sit combined) for all simulated joint geometries.

Imagerie d'une pince = Bassin de face ++

Rétroversion = Signe du croisement

Signe des Epines ischiatiques



Imagerie d'une pince = Bassin de face ++

Herniation Pitt



Imagerie d'une pince = Profil Axial

Signe d'impaction/ Herniation Pitt



Interrogatoire / Clinique

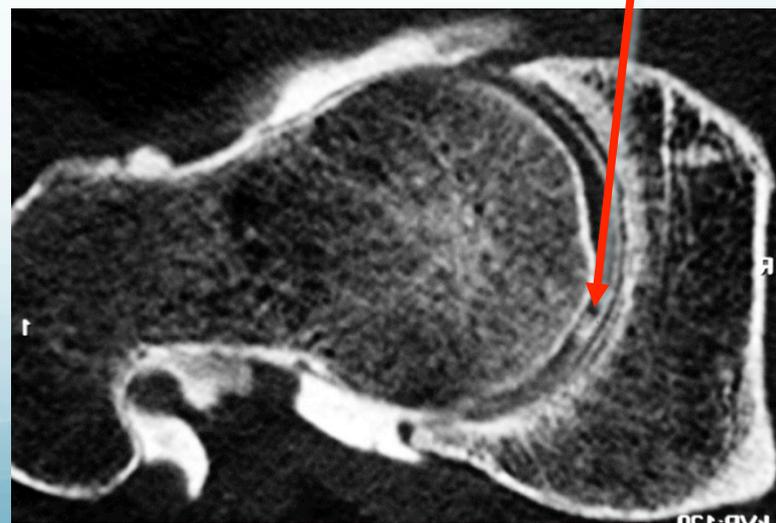
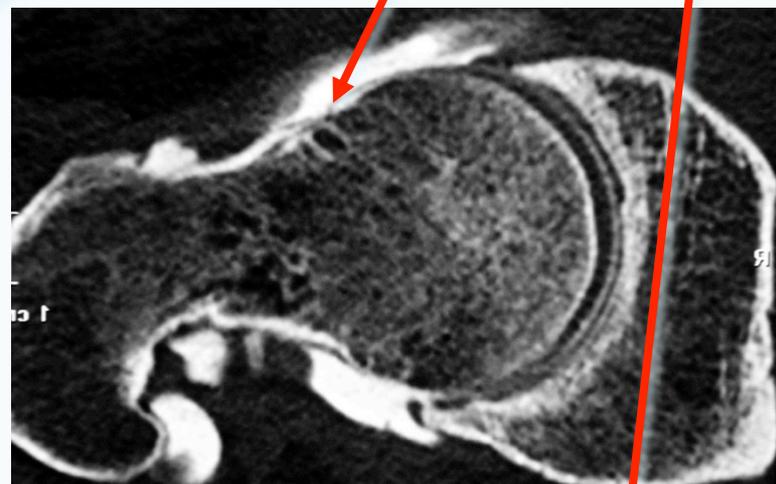
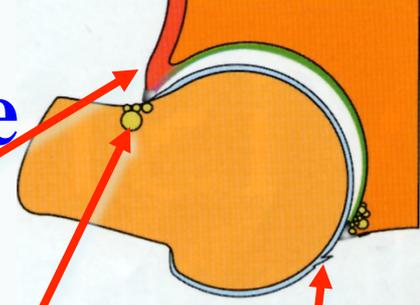
Douleurs inguinales

Impingement Test ++



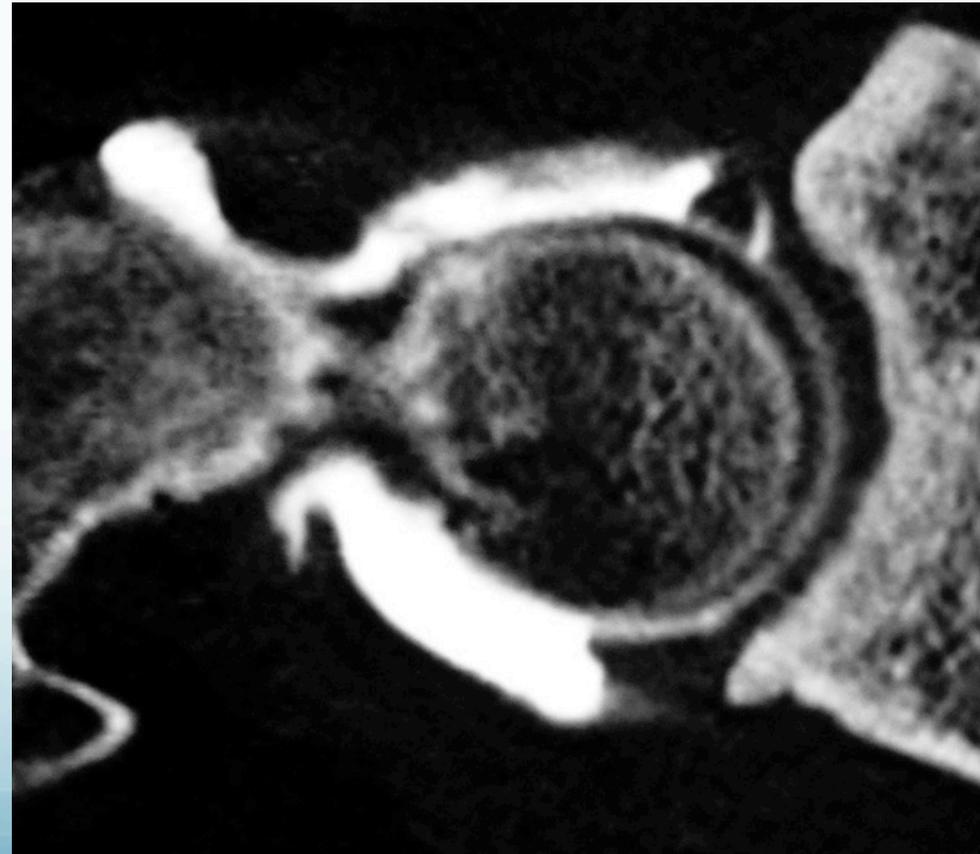
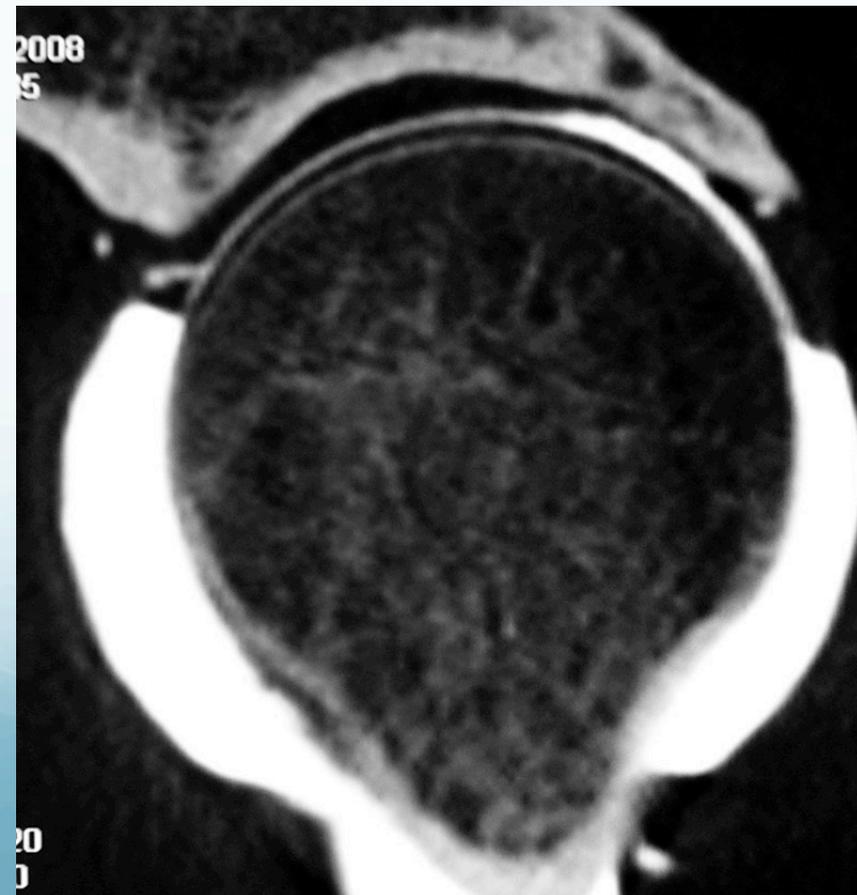
En cas de doute = Imagerie Injectée

Visualisation des lésions

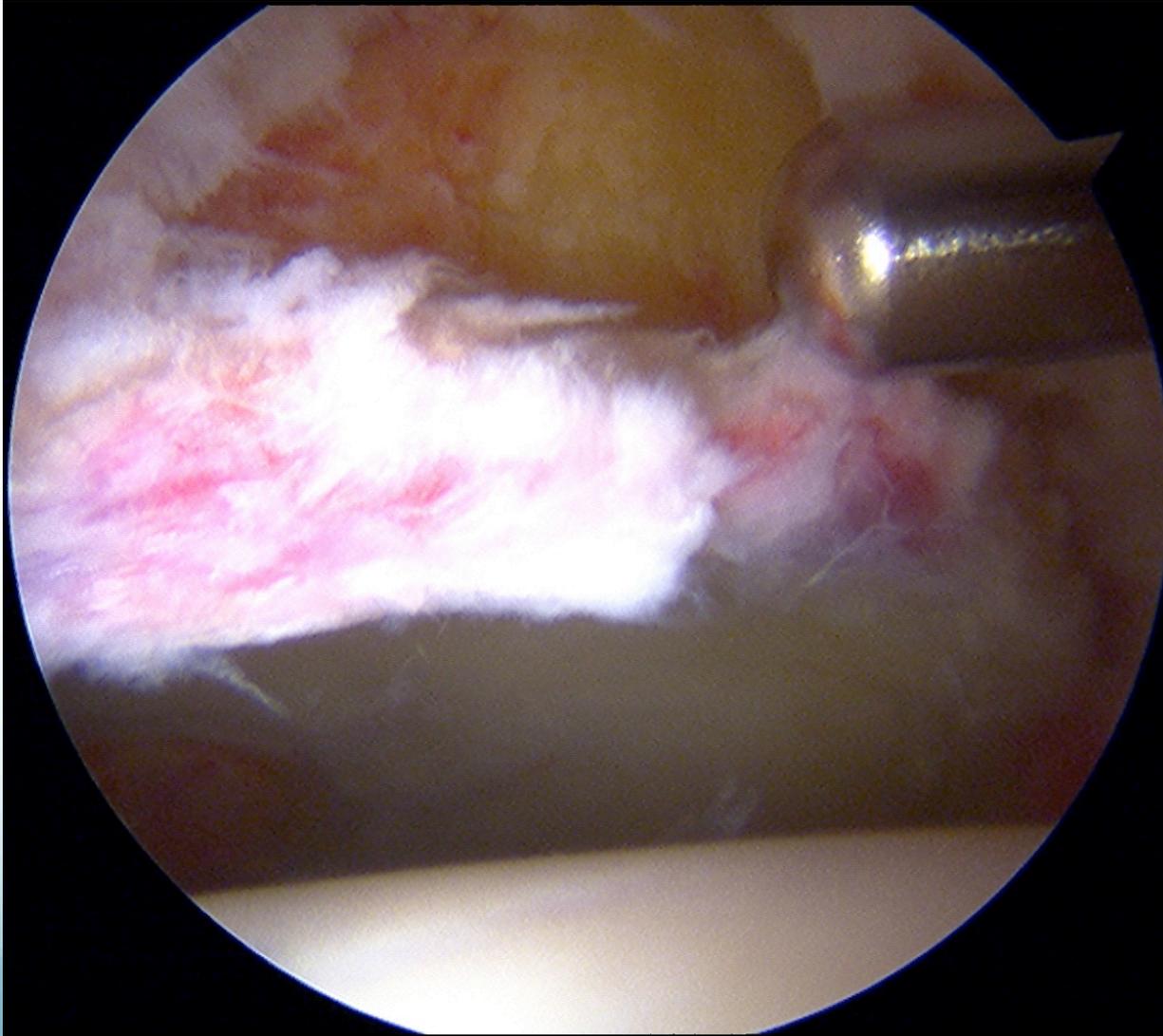


En cas de doute = Imagerie Injectée

Visualisation des lésions

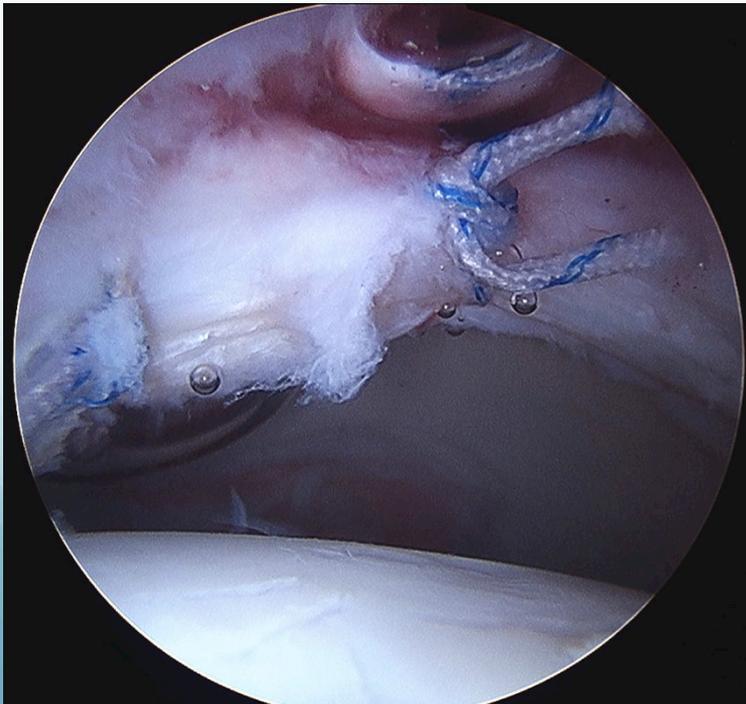


Traitement arthroscopique Pince

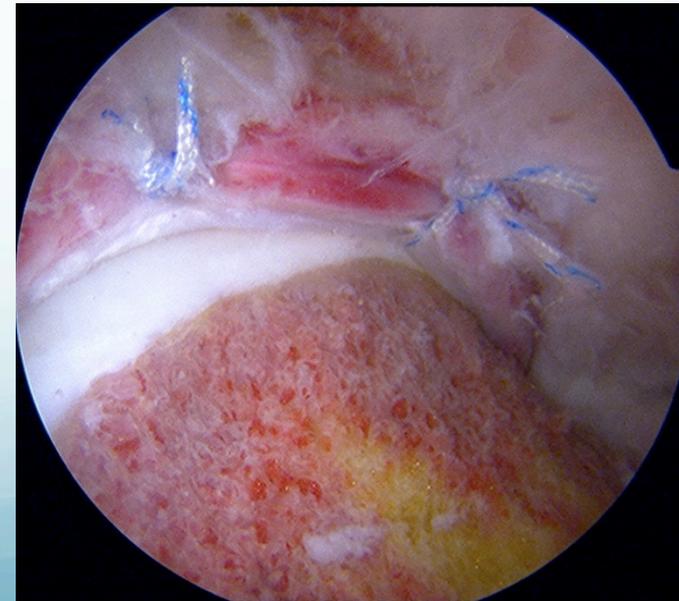


Traitement arthroscopique du Conflit

Traitement des lésions



**Labrales
Et
Chondrales**



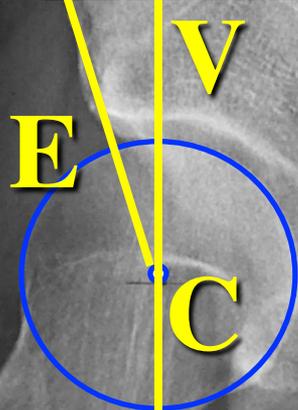
Imagerie d'une Instabilité = Dysplasie

Systematic Review

Complications and Reoperations During and After Hip Arthroscopy: A Systematic Review of 92 Studies and More Than 6,000 Patients

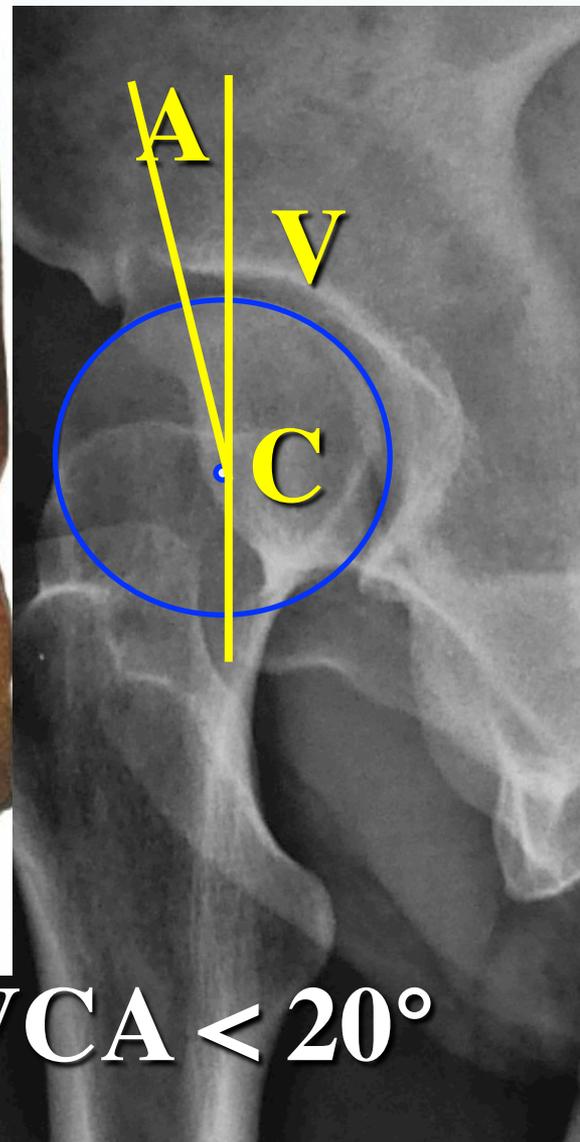
Joshua D. Harris, M.D., Frank M. McCormick, M.D., Geoffrey D. Abrams, M.D., Anil K. Gupta, M.D., M.B.A., Thomas J. Ellis, M.D., Bernard R. Bach Jr., M.D., Charles A. Bush-Joseph, M.D., and Shane J. Nho, M.D., M.S.

Luxation = 0,067%



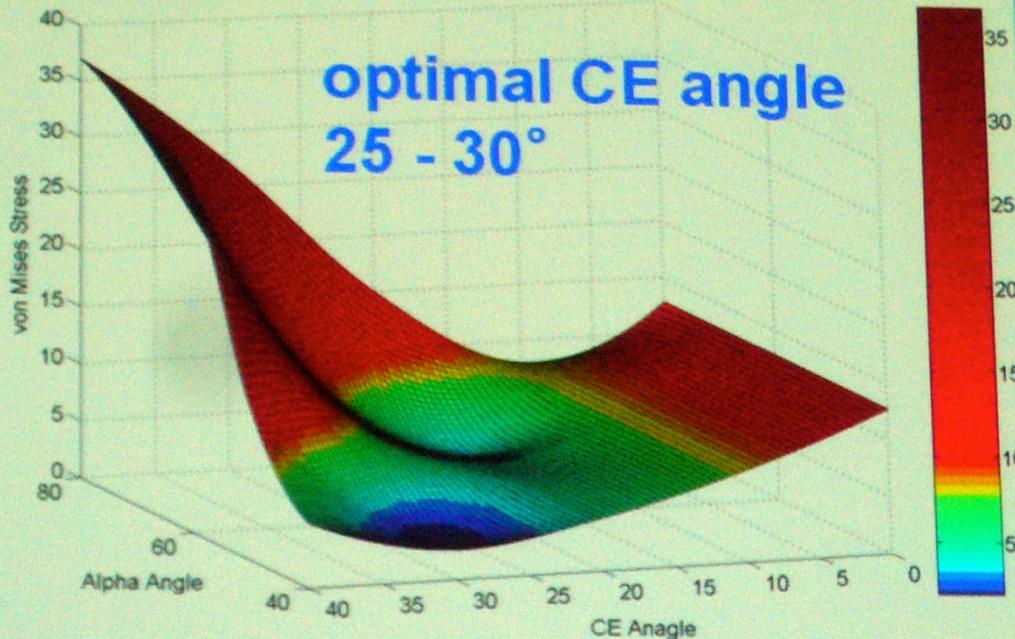
Dysplasie !!

VCA < 20°



Imagerie d'une Instabilité = Bassin de Face

Couverture acétabulaire optimale



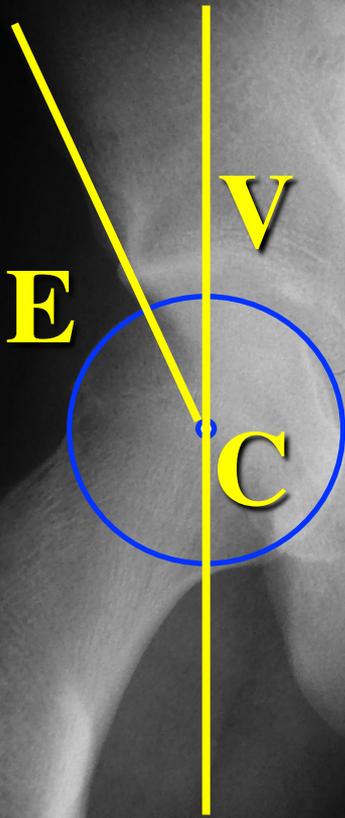
Von Mises stresses in the acetabular cartilage during daily activities (walking and stance-to-sit combined) for all simulated joint geometries.

Imagerie d'une Instabilité = Bassin de Face

Faux Profil de Lequesne

VCE = 20-25°

VCA = 20-25°



Dysplasie limite

Interrogatoire / Clinique

Instabilité

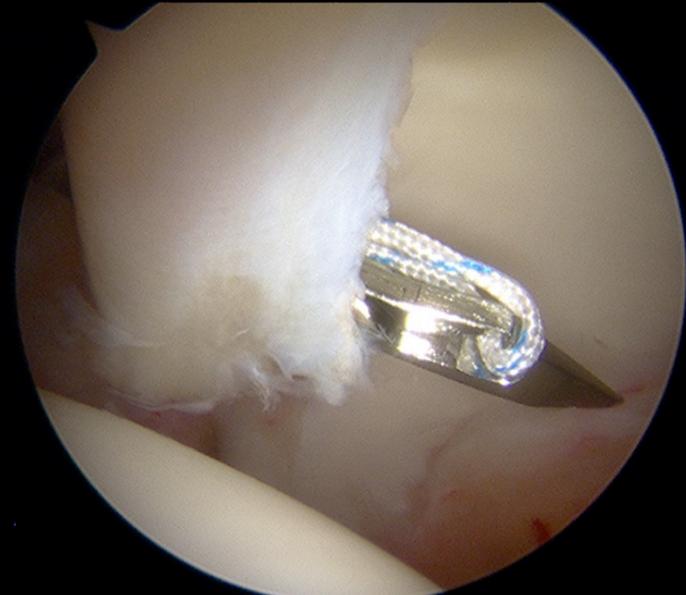
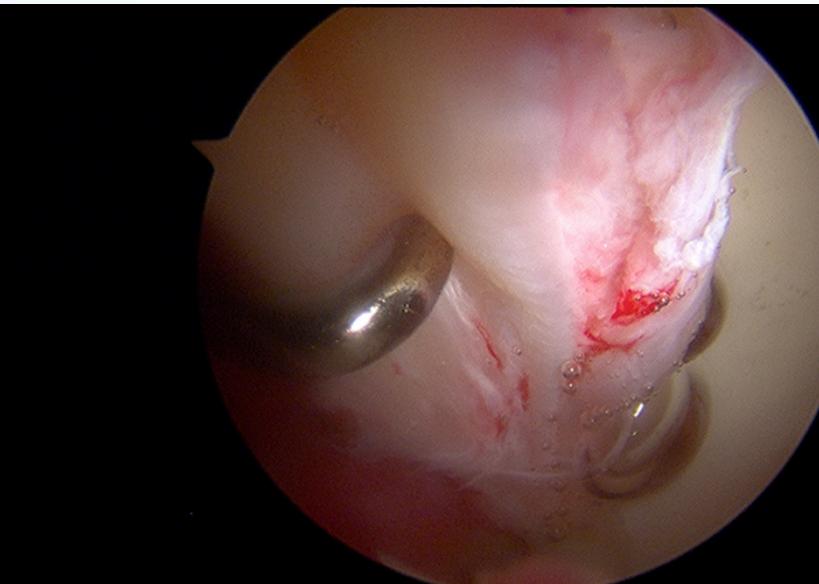
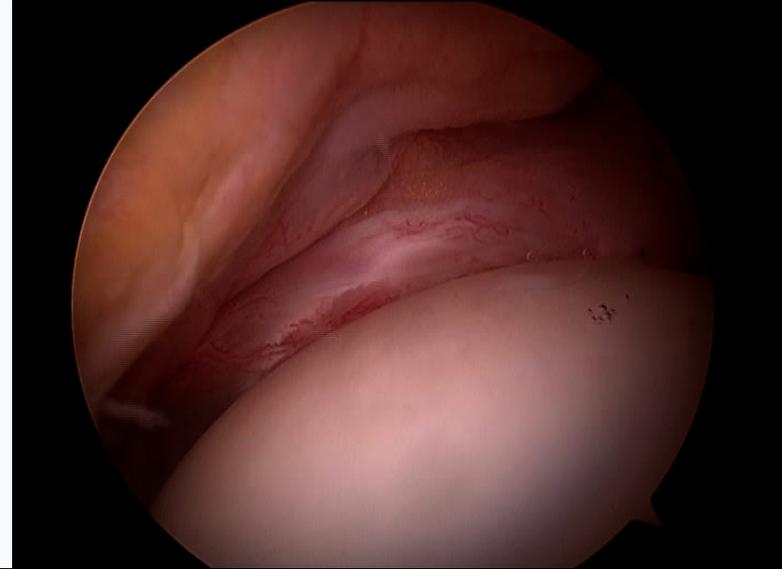
- ✓ Femme < 30 ans
 - ✓ Parfois post traumatique
 - ✓ Douleur inguinale
 - ✓ Course douloureuse
 - ✓ Position assise parfois douloureuse
- ✓ Tests Cliniques :
 - ✓ **Test d'hyperlaxité +**
 - ✓ Dial Test / test de distraction fémorale



Traitement arthroscopique de l'instabilité

Traitement des lésions

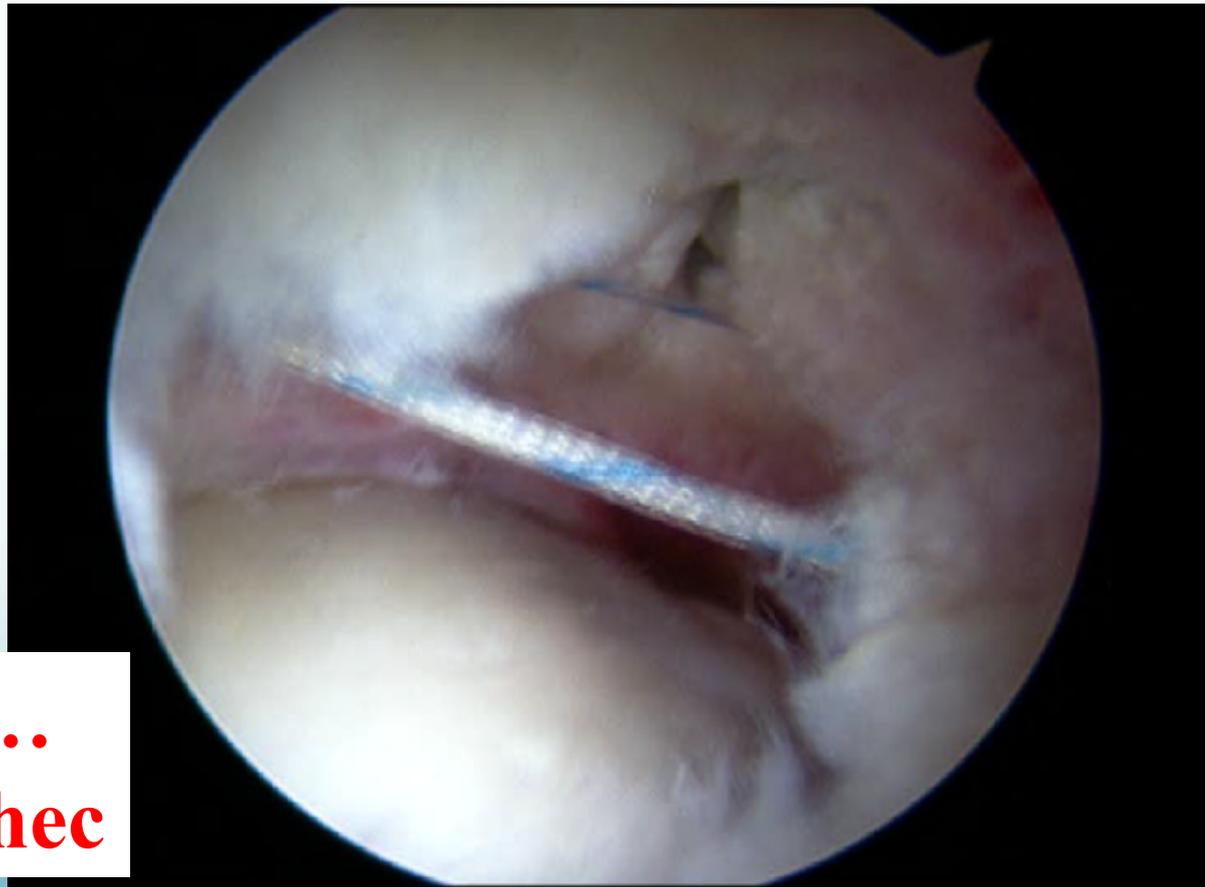
- ✓ Testing Capsule
- ✓ Testing Labrum
- ✓ Testing ligament rond
- ✓ REPARATION LABRALE +++



Traitement arthroscopique de l'instabilité

Traitement de la cause

- ✓ RETENUE CAPSULAIRE +++



To be evaluated...
Geste osseux si échec

Imagerie d'un Conflit EIAI



D DEBOUT

Conclusion

Ne passez pas à côté d'une douleur de hanche

Ne regardez plus vos radios comme avant...

Exigez un profil Axial du col fémoral

Imagerie complémentaire Injectée!!

Merci

