

La hanche et l'arthroscopie

DIU Arthroscopie 2020/2021

Dr Romain Chatellard Libourne/Bordeaux

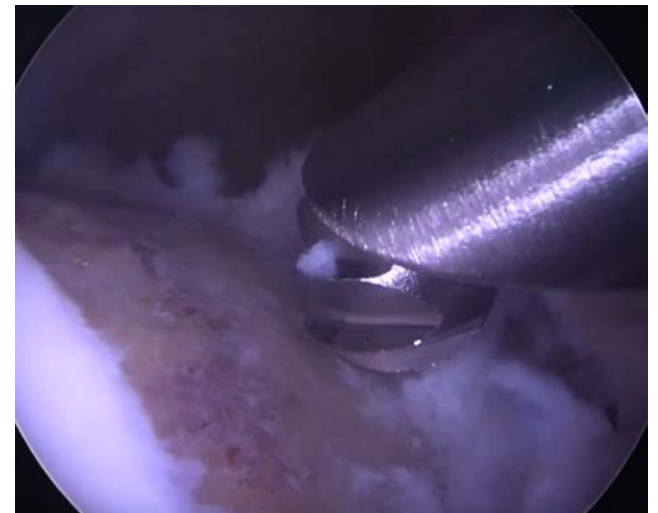
Dr Pierrick Dijoux Brive



Objectifs

- Pourquoi s'y mettre?
 - Pour quelles pathologies?
 - Articulaire/Extra articulaire

- Comment s'y mettre?
 - Progressivité
 - Accompagnement



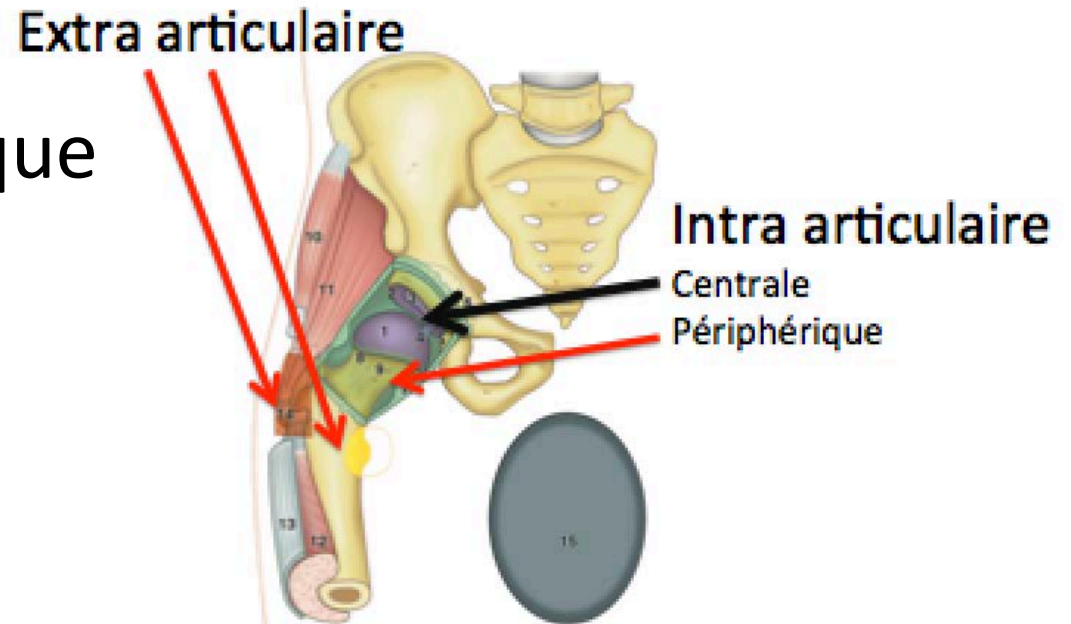
Programme

- Pathologies intra articulaires

- Théorie de la pratique

- CFA

- Pathologies extra articulaires



Historique

1930: Burman Arthroscopy, a direct visualization of joints: an experimental cadaver study. J Bone Joint Surg Am 1931, Burman



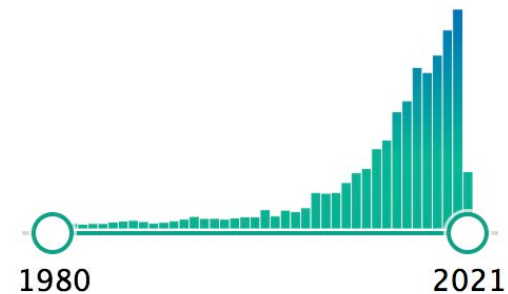
1970: Dorfmann/Boyer



1990-2000: Ganz



2000-2020 :



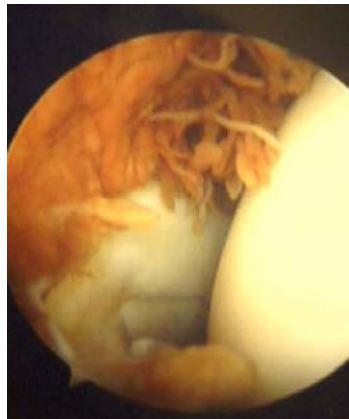
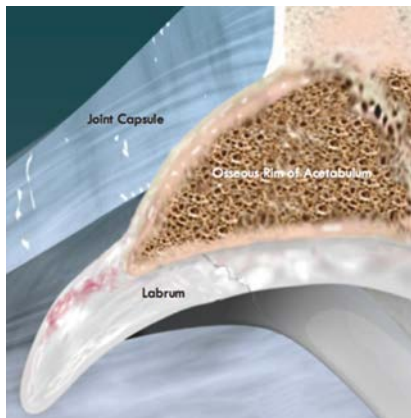
4.3.2. Arthroscopy

Hip arthroscopy procedures increased by 58.6% between 2012 and 2018, from 789 to 1,251. Fig. 5 shows the projections. Procedures concerned female patients in a mean 44.7% of cases (425/950). For the period 2018-2050, scenario 1 predicted a 5.6% increase, and scenario 2 a 189.9% increase ($p=0.003$).

Avenir

INDICATIONS

Intra articulaires



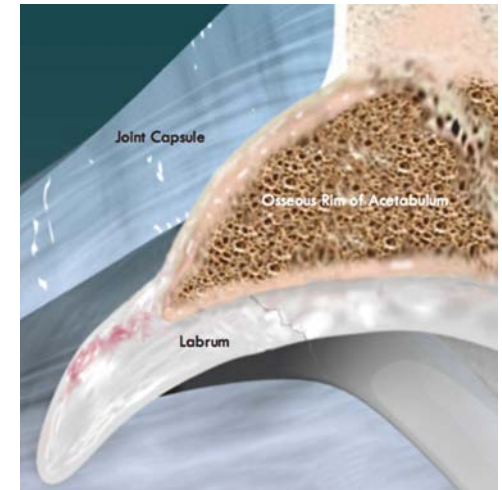
Indications: Pathologie Intra articulaire

- Pathologie du bourrelet:

Rôle du labrum

Etiologies:

- MacroTrauma: Sport, hanche nle
- MicroTrauma: patients actifs, facteurs prédisposants (dysplasie, CFA) dans 87%



Acetabular labral tears rarely occur in the absence of bony abnormalities. CORR, 2004, Wenger

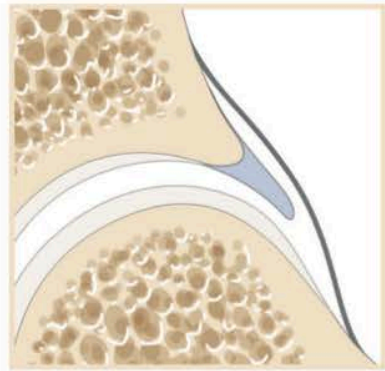
Diagnostic

Indications: Pathologie Intra articulaire

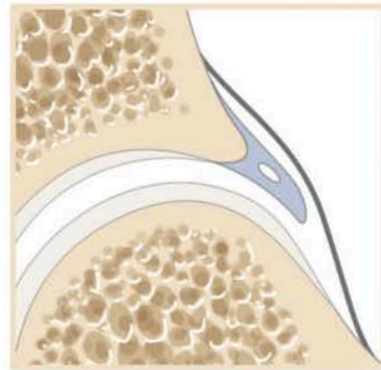
- Classification arthro IRM:

Czerny en 1996

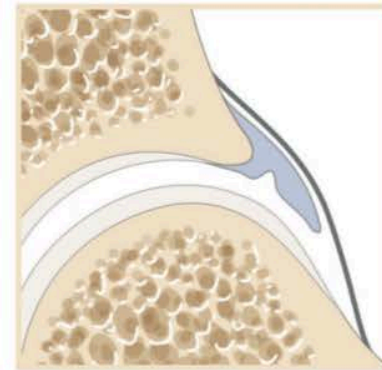
A Traumatique



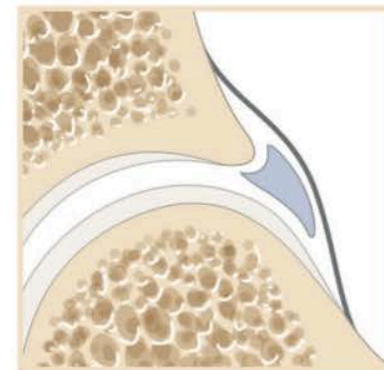
Labrum normal



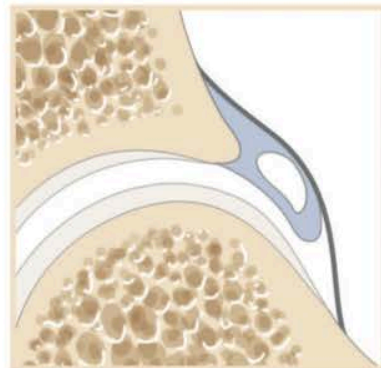
Stade I A



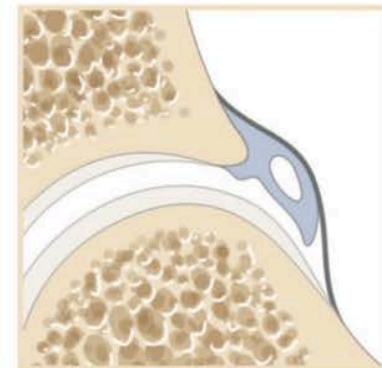
Stade II A



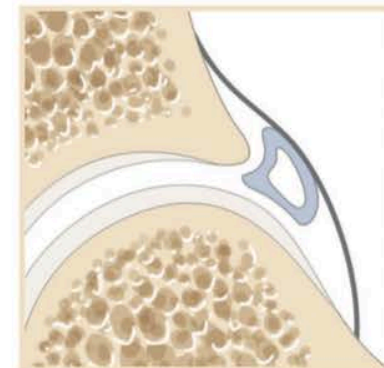
Stade III A



Stade I B



Stade II B

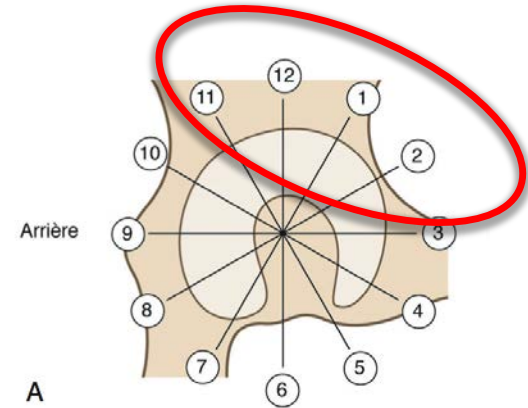
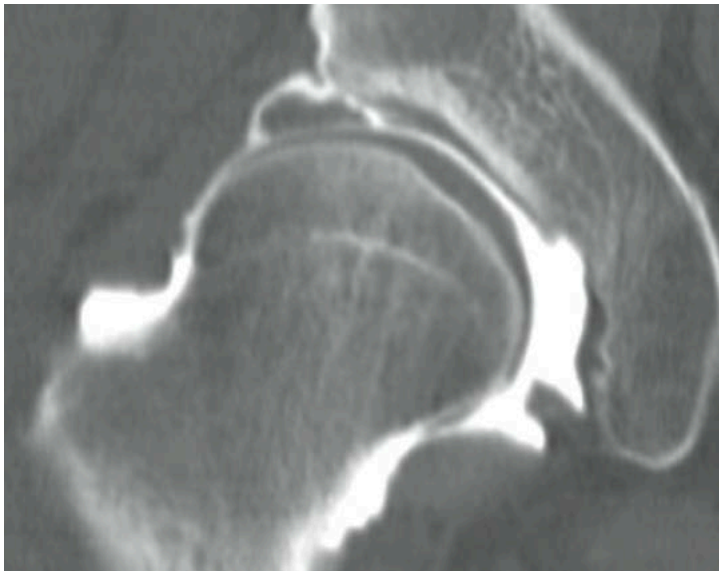


Stade III B

B Dégénérative

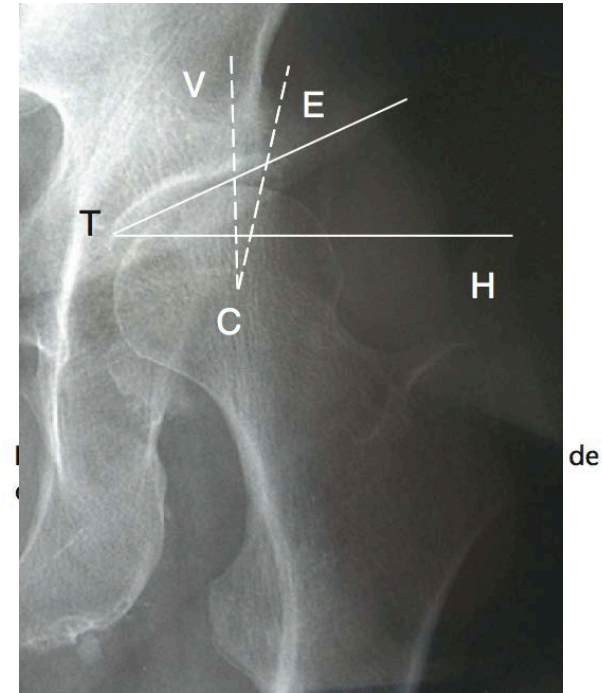
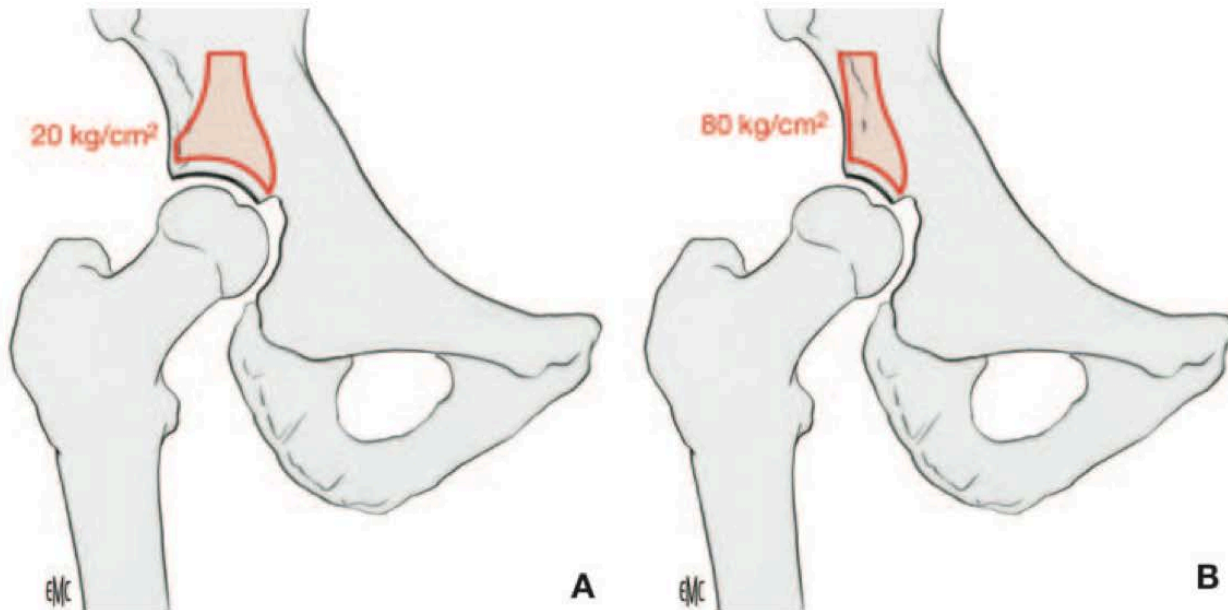
Indications: Pathologie Intra articulaire

- Pathologie du bourrelet:



Indications: Pathologie Intra articulaire

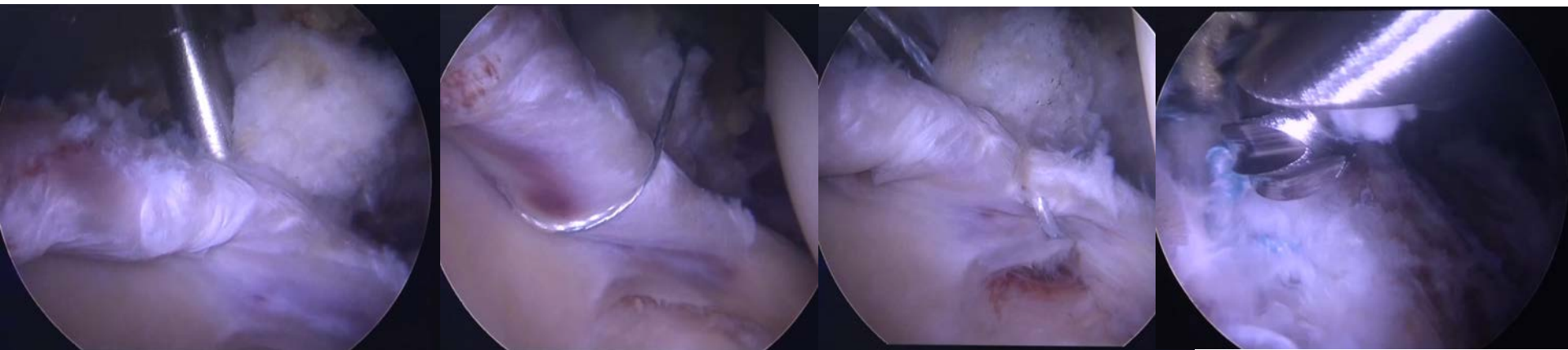
- Pathologie du bourrelet:
Dysplasie



de

Indications: Pathologie Intra articulaire

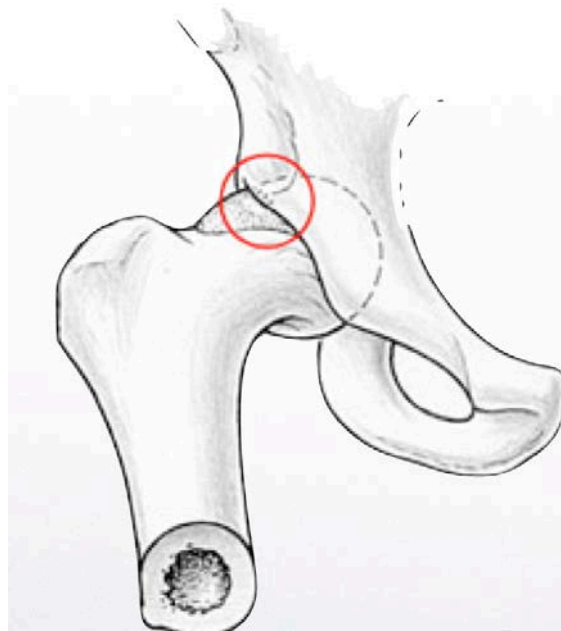
- Traitement



Si dysplasie: Efficace si modérée: entre 18 et 25°
Association avec ostéotomie?

Indications: Pathologie Intra articulaire

- CFA: Association d'un mouvement (F-RI) à une morphologie pathologique



=> Lésion du rebord cotyloïdien

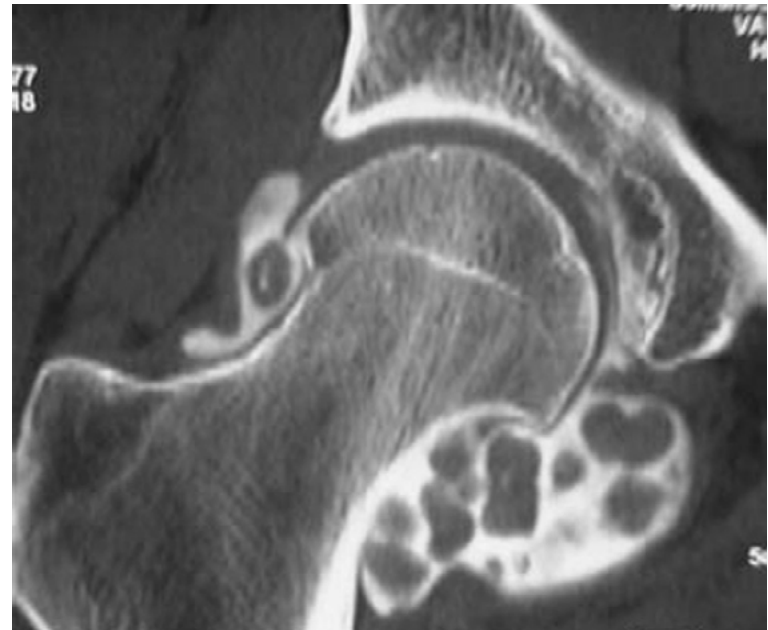
Femoroacetabular impingement: a cause for osteoarthritis of the hip, CORR, 2003, Ganz

Indications: Pathologie Intra articulaire

- Pathologie de la synoviale:
Ostéochondromatose
 - Métaplasie de la synoviale 3 stades de Milgram
 - Stade I : chondromes intrasynoviaux (enchassés dans la synoviale), sessiles ou pédiculés ;
 - stade II : chondromes intrasynoviaux et chondromes libres ;
 - stade III : chondromes libres. Synoviale inactive.
 - Adulte jeune plus volontiers masculin
 - Asymptomatique, douleurs mécaniques, blocages, AA ↘

Indications: Pathologie Intra articulaire

- Ostéochondromatose: Examens
Radiographiques: Rx et imagerie en coupes
avec injections



La chondromatose synoviale primitive de la hanche, Revue du Rhumatisme, 2006, Legré V.

Indications: Pathologie Intra articulaire

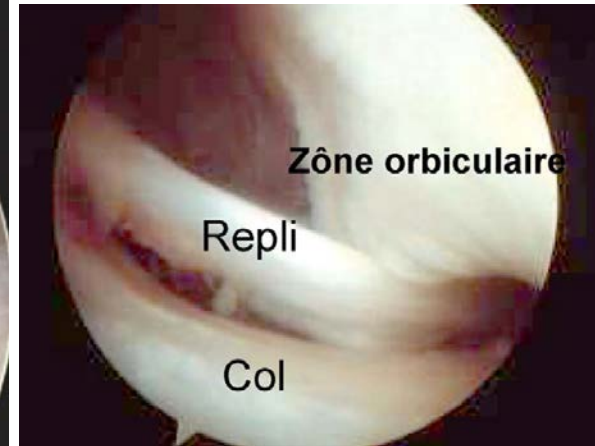
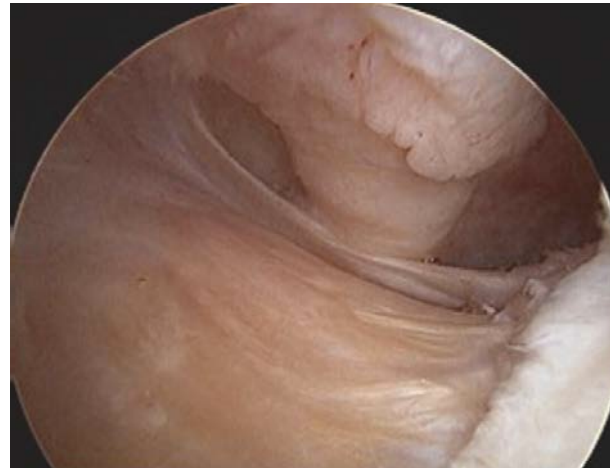
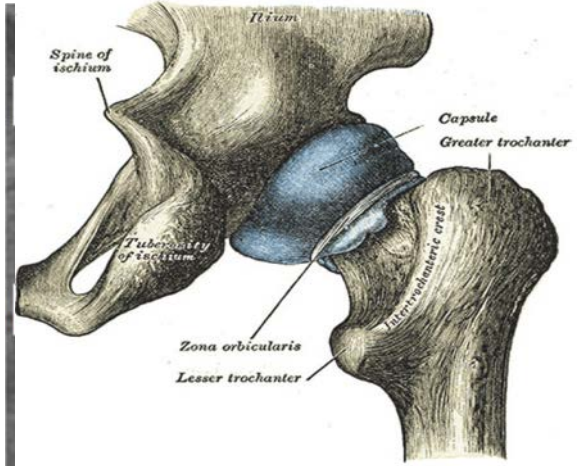
- Ostéochondromatose: Traitement



Indications: Pathologie Intra articulaire

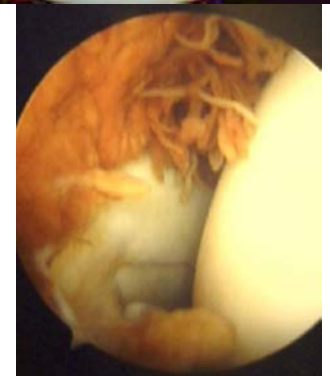
- Pathologie de la synoviale

Pathologie du Repli pectinéo-fovéal



Pathologie du repli pectinéo-fovéal et traitement arthroscopique RCO 2014 May O

Synovite villo-nodulaire pigmentaire



Indications: Pathologie Intra articulaire

- Arthrite septique

Arthroscopic treatment for acute septic arthritis of the hip joint in adults , KSSTA, 2012, Lee

Arthroscopic Treatment for Primary Septic Arthritis of the Hip in Adults, Advances in orthopedics, 2016, Schröder

Arthroscopy Versus Open Arthrotomy for Treatment of Native Hip Septic Arthritis: An Analysis of 30-Day Complications , Arthroscopy, 2020, Khazi

Faibles echantillons: moins de 10

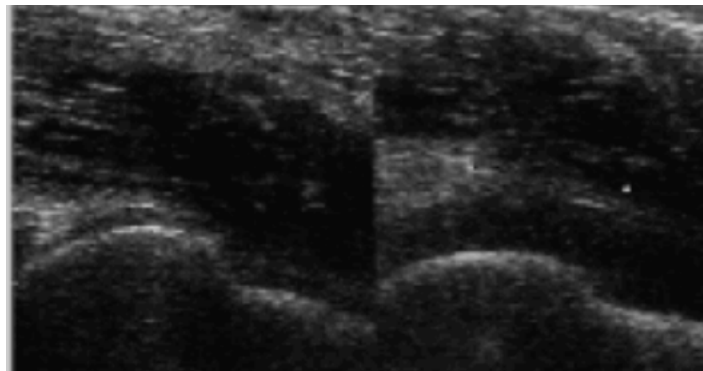
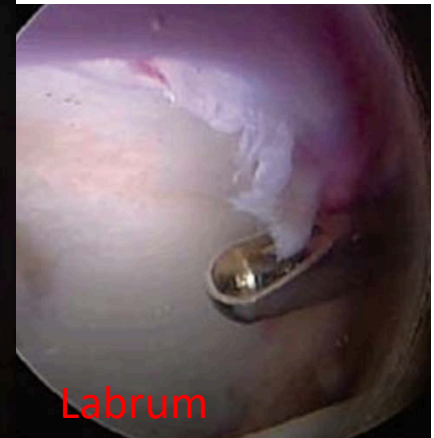
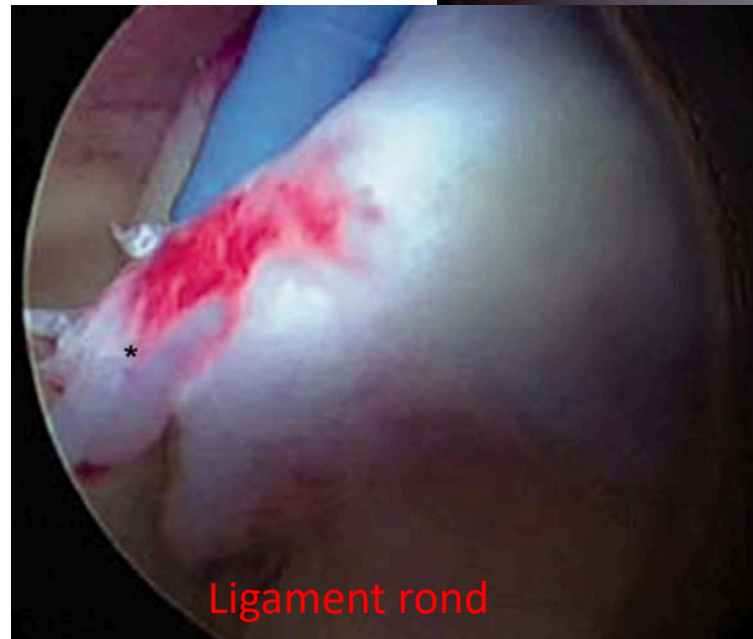
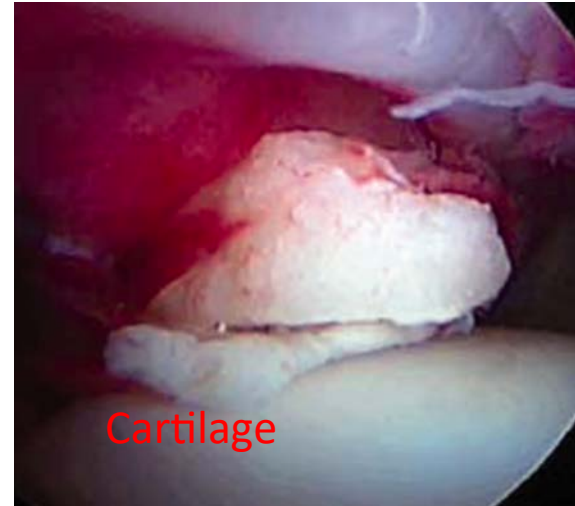


Tableau 1. Localisation des arthrites septiques

Articulation	%
• Genou	39-44%
• Hanche	16-17%
• Epaule	10-18%
• Cheville	4-8%
• Poignet	6-7%
• Coude	3-7%
• Pied	3-9%
• Main	2-4%

Indications: Pathologie Intra articulaire

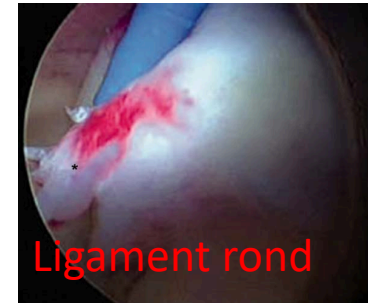
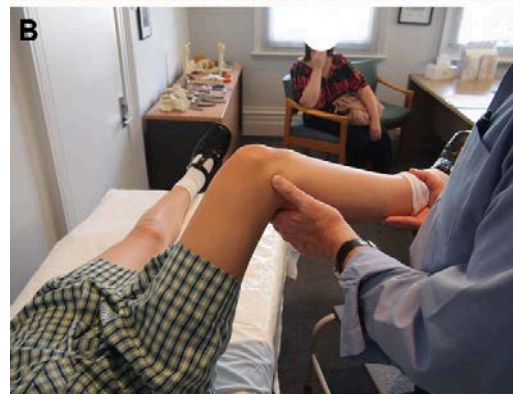
- Lésion traumatique



Indications: Pathologie Intra articulaire

- Lésion traumatique

LT test



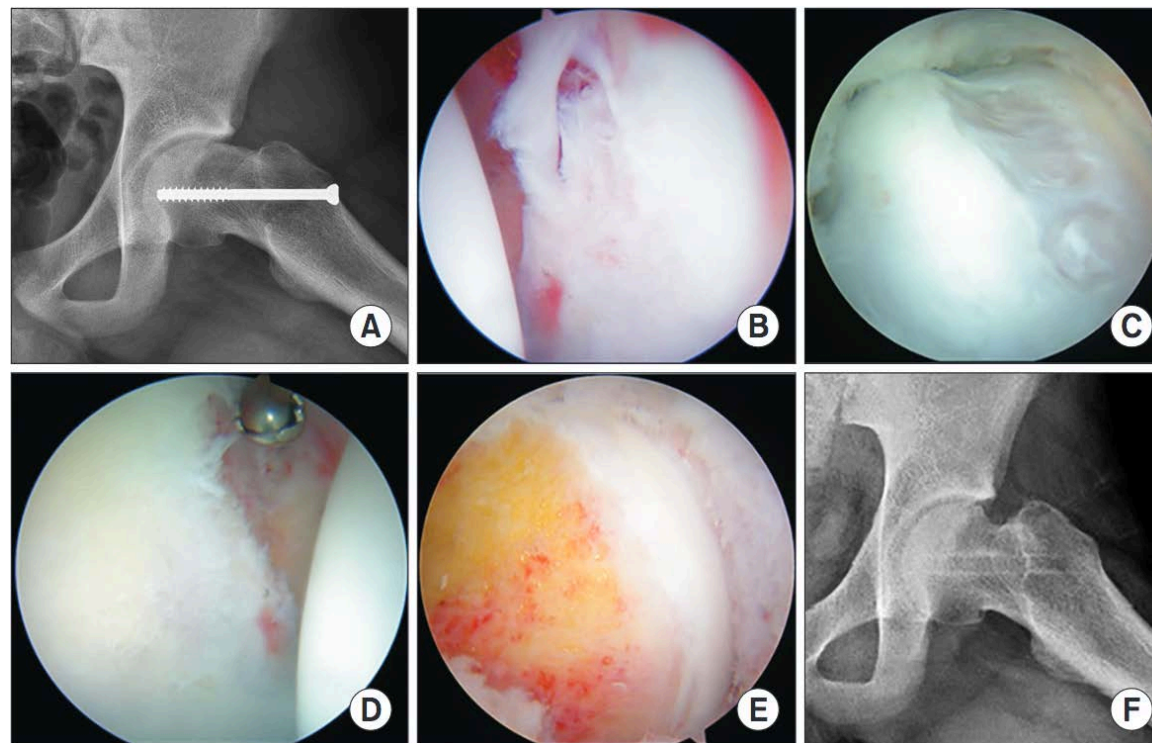
SE 83%
SP 90%
VPP 93%
VPN 77%

The Ligamentum Teres Test, The American Journal of Sports Medicine, 2014, O'Donnell

Pédiatrie

Indications for hip arthroscopy in pediatric patients a systematic review , Journal of Hip Preservation Surgery , 2019, Awad

- Arthrite septique Arthroscopy for hip septic arthritis in children , OTSR, 2016, Sanpera
- Complications d'épiphysiolyse



15-year-old boy who underwent in situ screw fixation for mild to moderate slipped capital femoral epiphysis two years ago. A preoperative plain radiograph (A) showing decreased head-neck offset. Arthroscopic findings: torn labrum (B) and large femoral bump (C) impinging against the acetabular rim. Arthroscopic labral debridement (D) and osteochondroplasty (E) were performed. A postoperative plain radiograph (F) showing increased head-neck offset.

Pédiatrie

- Arthrite septique
- Complications d'épiphysiolyse
- Complications de LPC entre 3-22 patients

Osteochondritis dissecans following Perthes disease. Arthroscopic operative treatment. Clin Orthop Relat Res, 1986, Bowen

Anterior impingement of the femoral head: a late phenomenon of Legg-Calve-Perthes' disease. J Pediatr Orthop, 1993, Snow

The relationship between diagnosis and outcome in arthroscopy of the hip. Arthroscopy, 2001, Oleary

Fate of the osteochondral fragments in osteochondritis dissecans after Legg-Calve-Perthes' disease. J Bone Joint Surg Br, 2002, Rowe

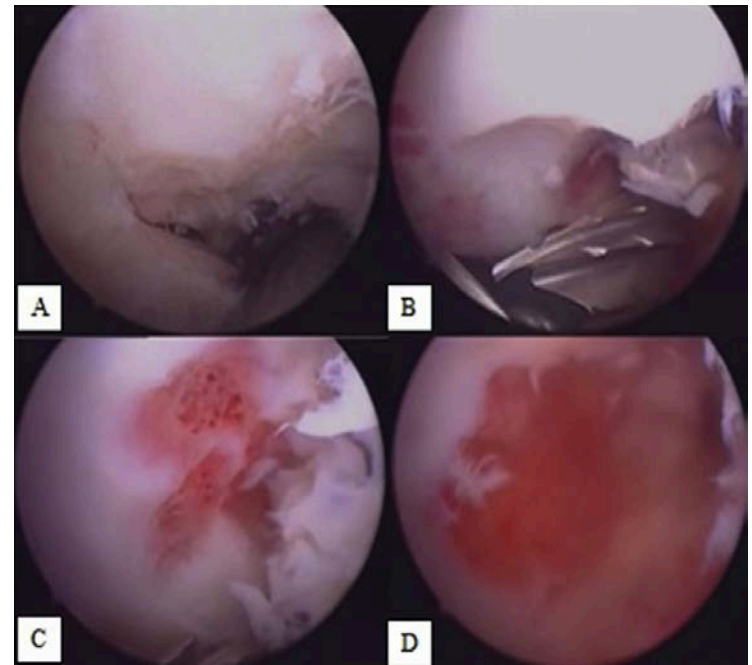
Arthroscopic findings of the hip in new onset hip pain in adolescents with previous Legg-Calve-Perthes disease. J Pediatr Orthop, 2005, Kocher

Hip arthroscopy in children and adolescents. J Pediatr Orthop, 2005, Roy

Arthroscopic treatment of femoroacetabular impingement: early outcomes. Acta Orthop Traumatol Turc, 2013, Polat

Hip arthroscopy for Legg-Calve-Perthes disease: minimum 2-year follow-up. Arthroscopy, 2013, Freeman

Hip arthroscopy for Legg-Calve-Perthes disease in paediatric population. Acta Orthop Turcica, 2019 Ulunay Kanatli:



INDICATIONS

Pathologies extra articulaires

