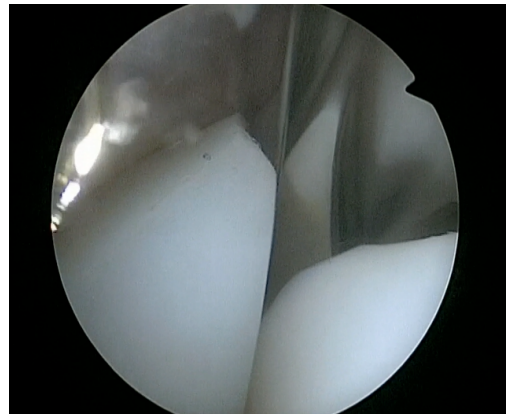
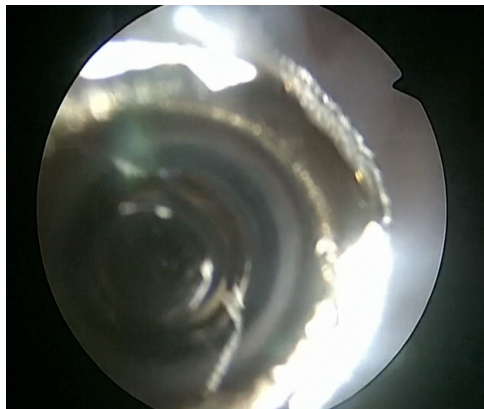


Hot topic: place of arthroscopy in TKA and Uni

*O. Courage, A.Senioris, S.Rahali
V.Guinet, L.Malekpour
LH university France*



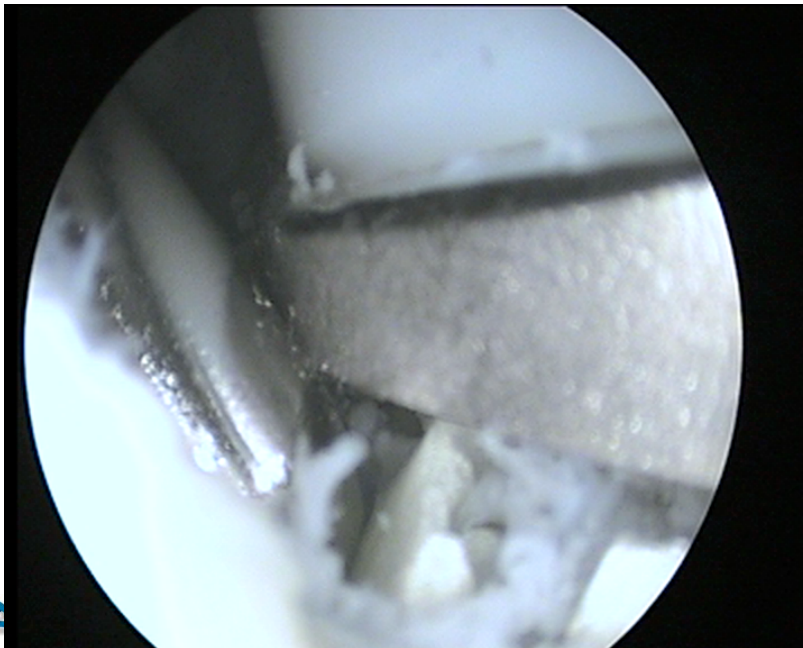
Arthrocopy

- **Few indications (<1%)**
- TKA
- Uni
- Patella



Unexplained painfull knee!

- Second side wery happy
- 75 years hold
- Pain +++



Second example

- Posterior lose body



Magic for unexplained knee pain or not ...

- Only few indications
- Litterature



Watch out: sepsis

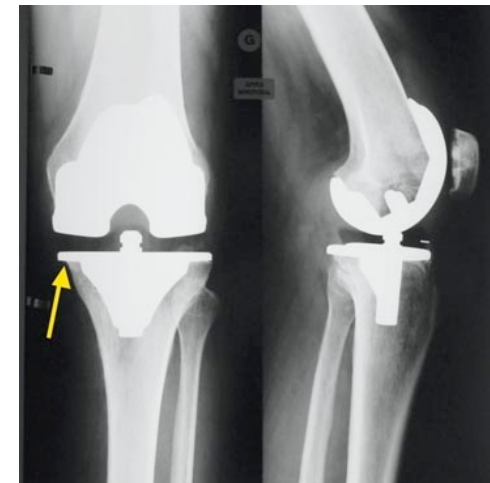
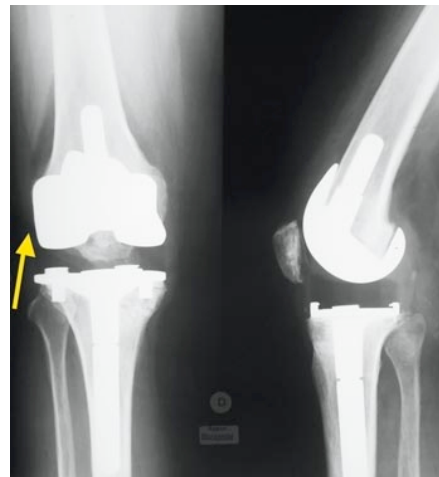


- Knee Ponction at any doubt +++
 - $> 25\,000$ leucocytes/mL with $>75\%$ Poly nuclear .
 - False negative, biofilm
- Blood count : NFS, CRP
 - combinaison d'une $\text{CRP} \leq 10 \text{ mg/L}$ and $\text{VS} \leq 30 \text{ mm/h}$ it's probabely 94 %



Not to do if !

- Radiologic loosening
- Patella instability
- Impingement with too big implants



Littérature: few cases(15)

- Lose body(cement - PE)
- Fibrosis, Pseudo meniscus
- Loosening
- PE wearing
- Synovialis hypertrophy or pigmented SVN
- Metallose synovialis



The Role of Arthroscopy in the Problem Total Knee Replacement.

Arthroscopy: The Journal of Arthroscopic and Related Surgery 6(1):30-32. 1990. Donald R. Johnson, M.D.

Bucket-Handle Tear in Retained Meniscus After Unicompartmental Knee Arthroplasty. Mian Munawar Shah. Arthroscopy: The Journal of Arthroscopic and Related Surgery, Vol 19, No 6 (July-August), 2003

Kim WY, Shafi M, Kim YY, Kim JY, Cho YK, Han CW.

Posteromedial compartment cement extrusion after unicompartmental knee arthroplasty treated by arthroscopy (a case report).

Knee Surg Sports Traumatol Arthrosc 2006;14:46



Other papers

- Patella loosened
- Implant wrong side
- PCL residual , notch impingement
- Soft tissue
- Popliteus tendon dysfunction

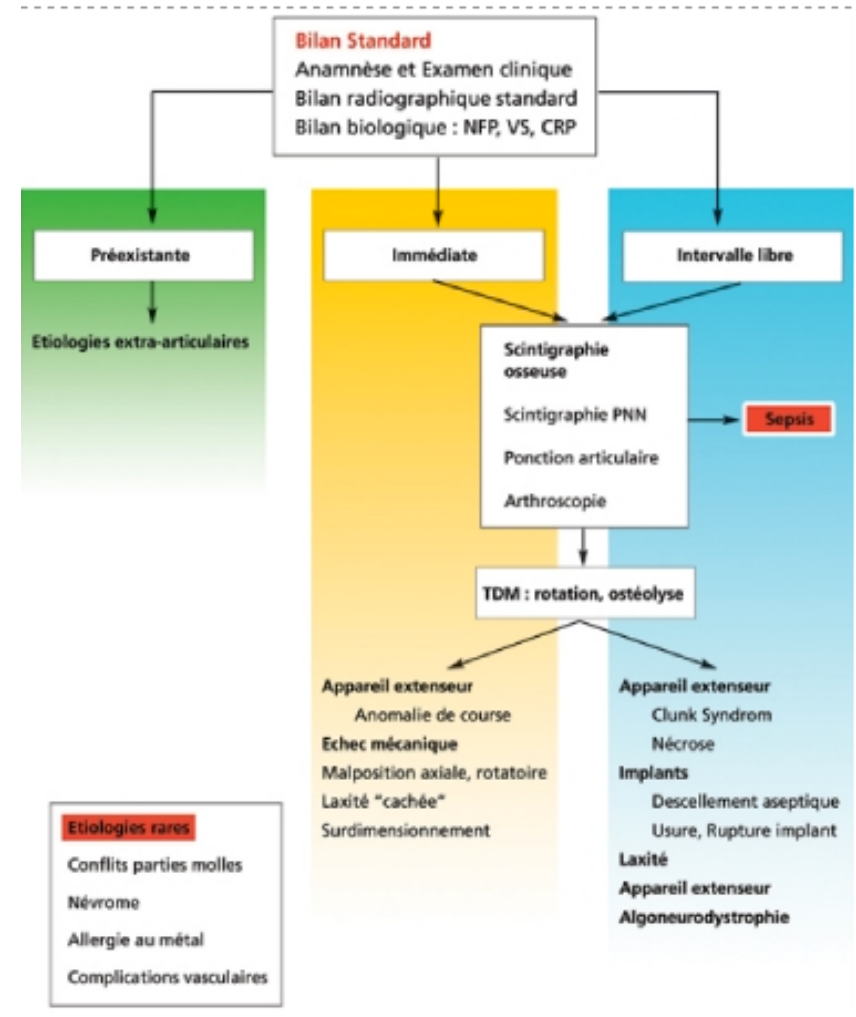
A Rare Case of Diffuse Pigmented Villonodular Synovitis After Total Knee Arthroplasty.
Julius K. Oni. The Journal of Arthroplasty Vol. 26 No. 6 September 2011.

Arthroscopic Treatment of Popliteus Tendon Dysfunction Following Total Knee Arthroplasty.
Thomas J. Allardyce, The Journal of Arthroplasty Vol, 12 No. 3 April 1997



The results

- Not so good
- Understand the pain ?
 - Painfull fibrosis ...
 - Lose body
 - US tissue conflict



COMPRENDRE LA DOULEUR APRÈS PTG.

UN PATIENT DÉSEMPARÉ MAIS ACCOMPAGNÉ, UN CHIRURGIEN DÉSAPOINTÉ MAIS IMPLIQUÉ

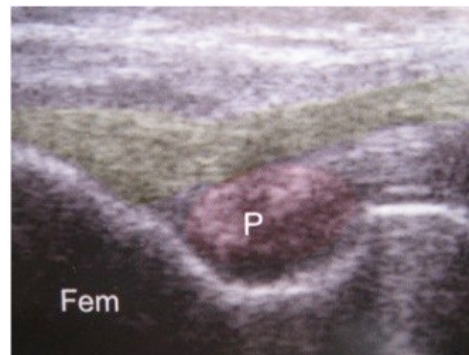
F. Trouillet, S. Lustig, E. Servien, G. Demey, P. Neyret

Maitrise orthopédique



Best indications @ TKA

- Stiffness
- Patella Clunk (pain)
- Unexplained painful TKA
 - Normal biology
 - US tissue +



The Steefness

- When do it @
 - Before 8 weeks Anesthesia mobilisation
 - Between 8 weeks and 6 months
 - Arthrolysis
 - Retinaculum release
 - Fibrosis exision

Rev Chir Orthop Reparatrice Appar Mot. 2003 Feb;89(1):27-34

.[Management of stiffness after total knee arthroplasty: indication for different mobility management in 62 cases].[Article in French Tirveilliot F, Migaud H, Gougeon F, Laffargue P, Maynou C, Fontaine C.SourceService d'Orthopédie (Pr C. Vielpeau)

Rev Chir Orthop Reparatrice Appar Mot. 2002 Apr;88(2):163-7.[

Arthroscopic release for knee joint stiffness after total knee arthroplasty].[Article in French]Djian P, Christel P, Witvoet J.

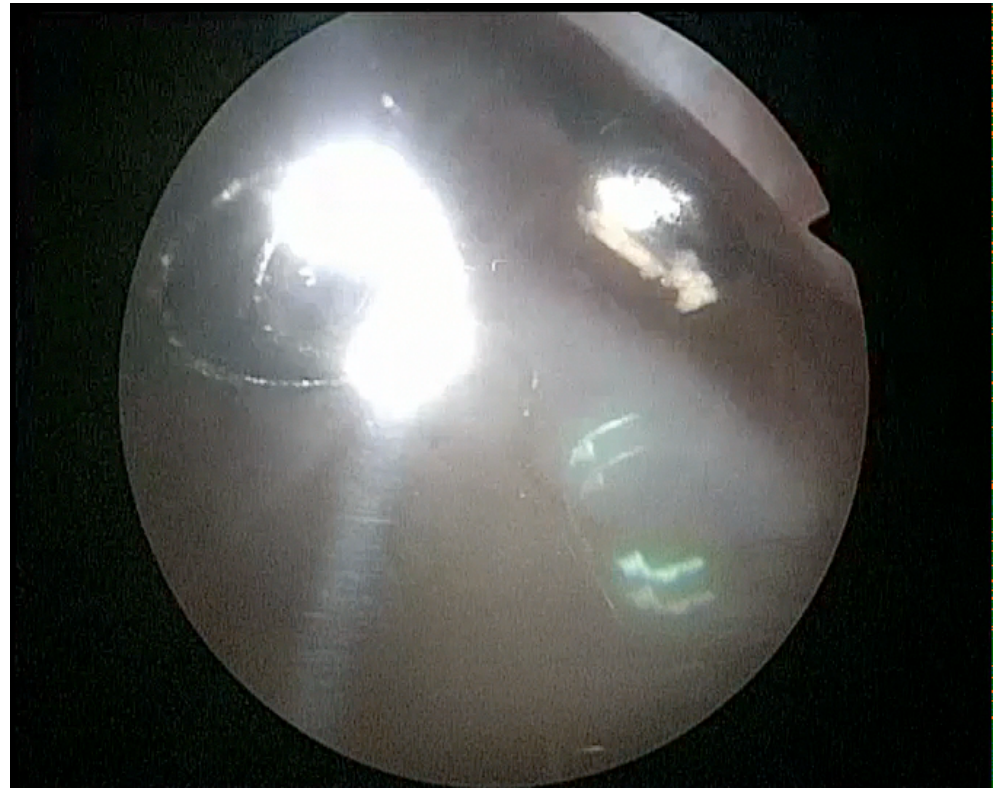


The technique

- A New Arthroscopic Technique for Revision of the Posterior Compartment in Symptomatic Total Knee Arthroplasty. Franz Landsiedl, M.D., Nicolas Aigner. Arthroscopy:
The Journal of Arthroscopic and Related Surgery, Vol 21, No 4 (April), 2005:
pp 506-510
- Femoral Notch Stenosis Caused by
Soft Tissue Impingement in Semi or Open-Box Posterior-Stabilized Total
Knee Arthroplasty. Peter M. Bonutti, MD.
The Journal of Arthroplasty Vol. 25 No. 7 October 2010



The mirror effect



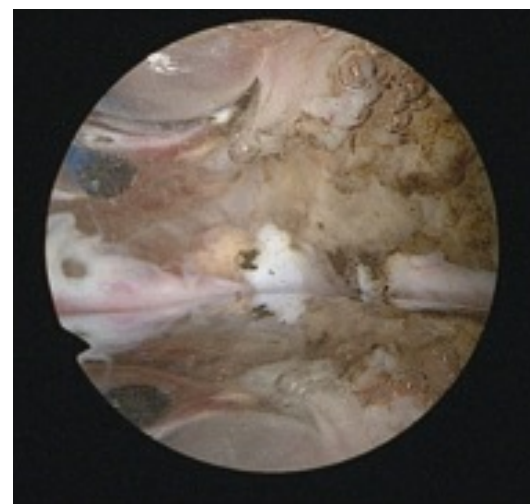
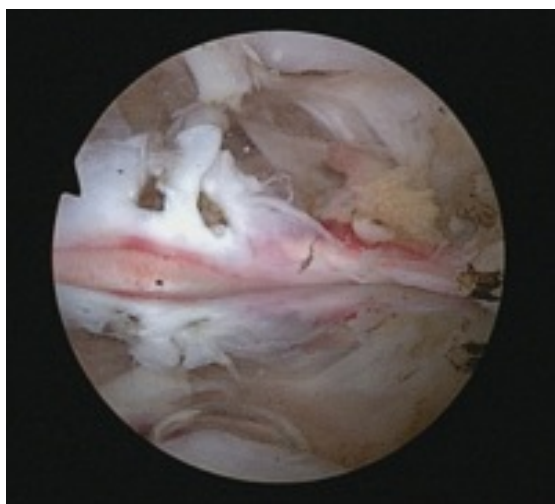
Be carefull no stripe !

- Non nocere



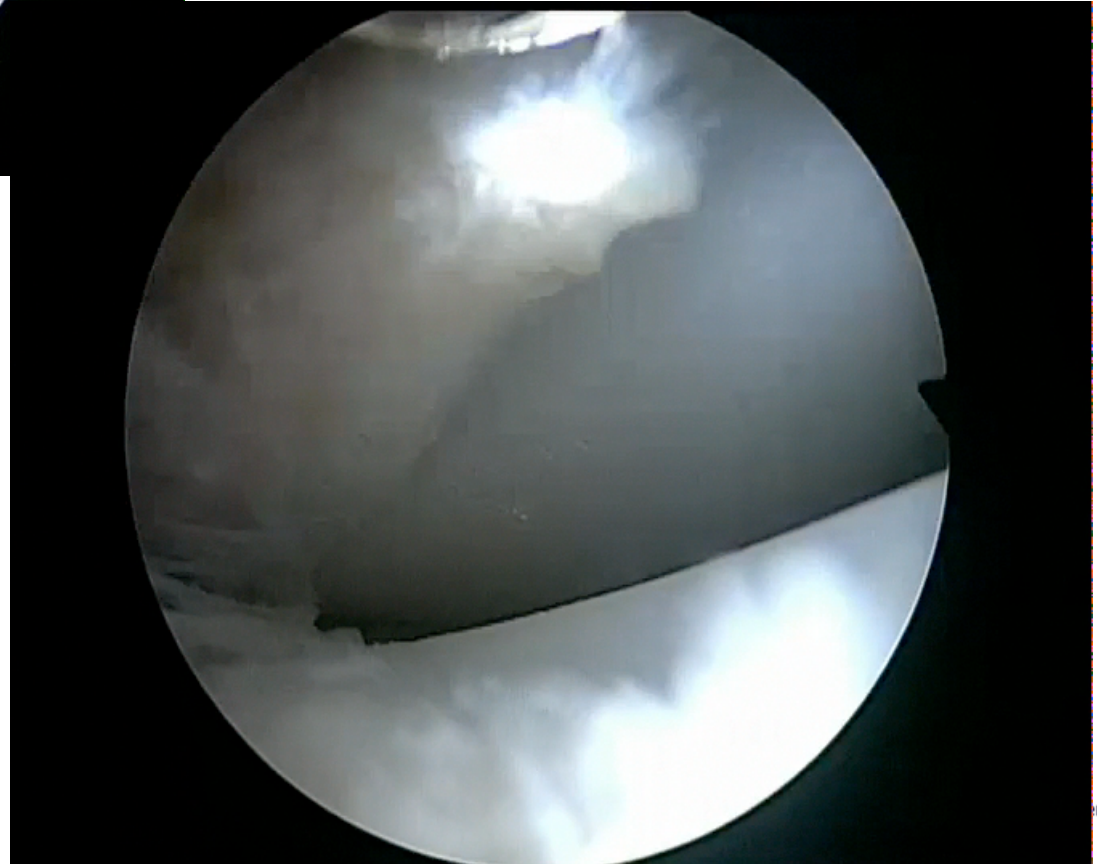
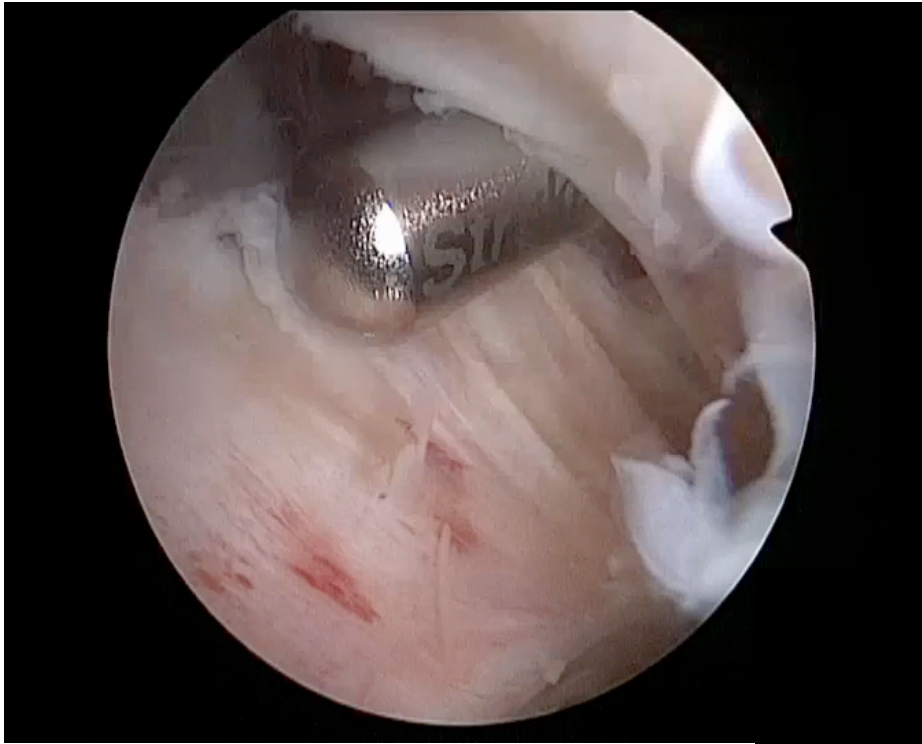
Portal above the patella





2nd time





Results

- Gain on pain
 - Gain of mobility
 - Speed recovery
-
- Low risk and revision is still possible

The Efficacy of Arthroscopy Following Total Knee Replacement.

David R. Diduch, M.D. Arthroscopy:

The Journal of Arthroscopic and Related Surgery, Vol 13, No 2 (April), 1997: pp 166-171

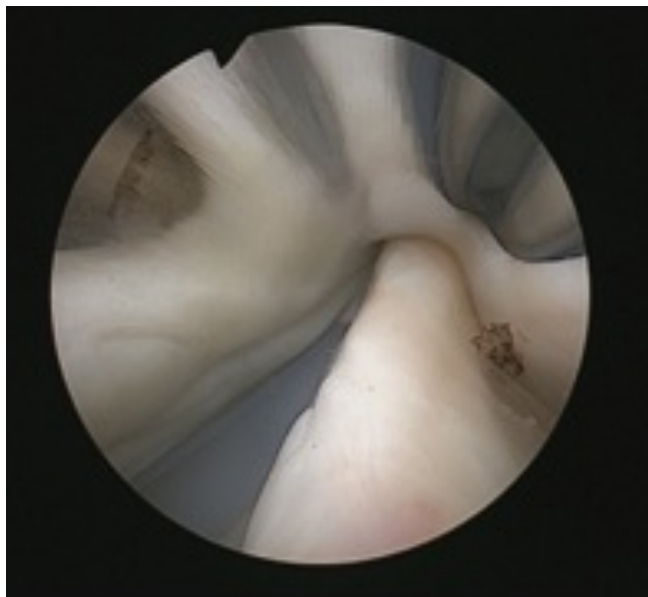
A Study of Effectiveness of Knee Arthroscopy After Knee Arthroplasty.

Hans-Michael Klinger, M.D. Arthroscopy:

The Journal of Arthroscopic and Related Surgery, Vol 21, No 6 (June), 2005: pp 731-738



Examples FT joint



Patella and Clunk Syndrome

- TKA postero stabilised (plateaux mobiles)
 - Behind the patellar tendon
 - Nodule
 - Lack of extension

Arthroscopic Treatment of Soft-Tissue Impingement Under the Patella After Total Knee Arthroplasty
.Masaaki Takahashi. Arthroscopy: The Journal of Arthroscopic and Related Surgery, Vol 18, No 4 (April), 2002)
Arthroscopic Treatment of Patellar Clunk and Synovial Hyperplasia After Total Knee Arthroplasty.
Khaled A. Dajani, MD. The Journal of Arthroplasty Vol. 25 No. 1 January 2010
Patellar Clunk Syndrome in a Current High Flexion Total Knee Design.
Sanjay R. Agarwala. The Journal of Arthroplasty 28 (2013) 1846–1850
Patellofemoral Crepitation and Clunk Following Modern, Fixed-Bearing Total Knee Arthroplasty.
Juan V. Peralta-Molero. The Journal of Arthroplasty xxx (2013)

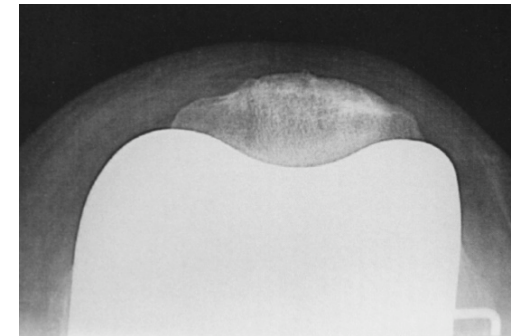
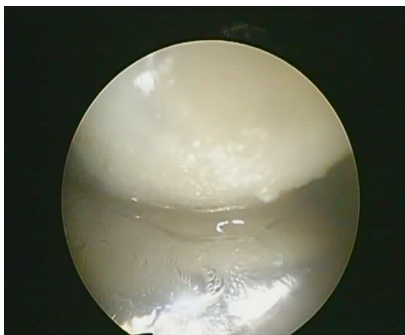




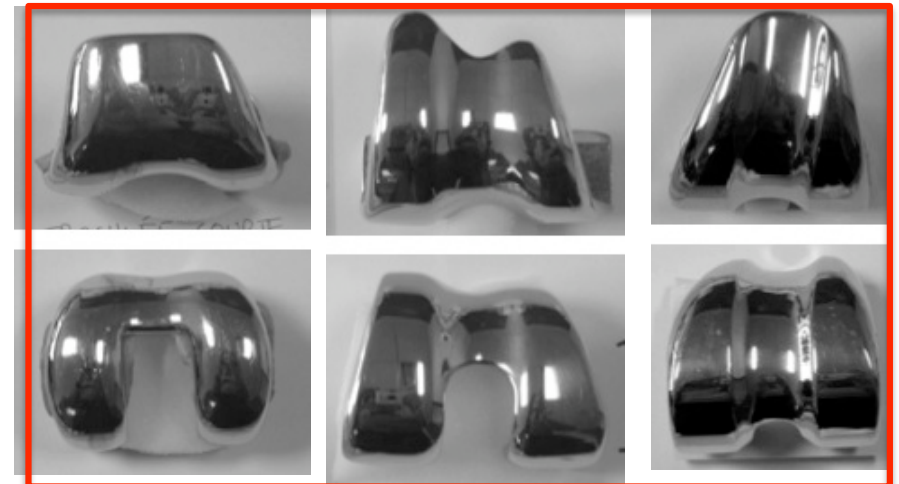
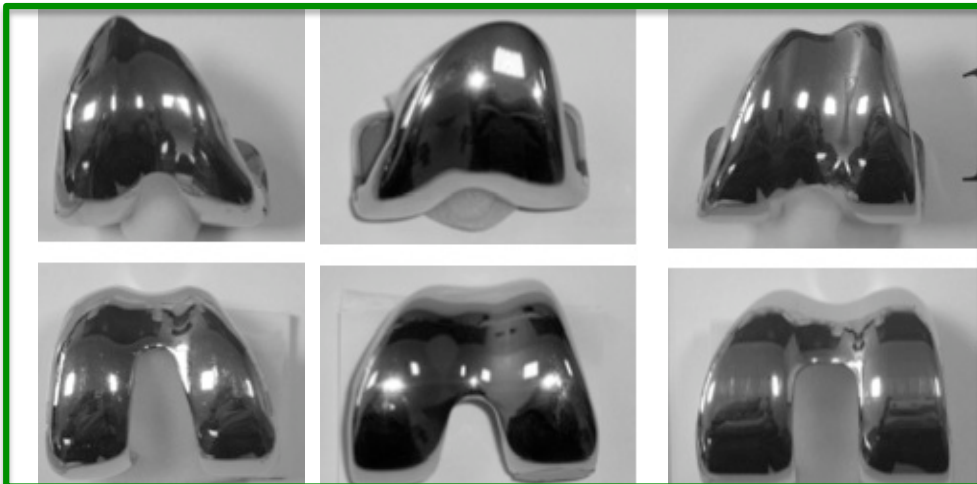
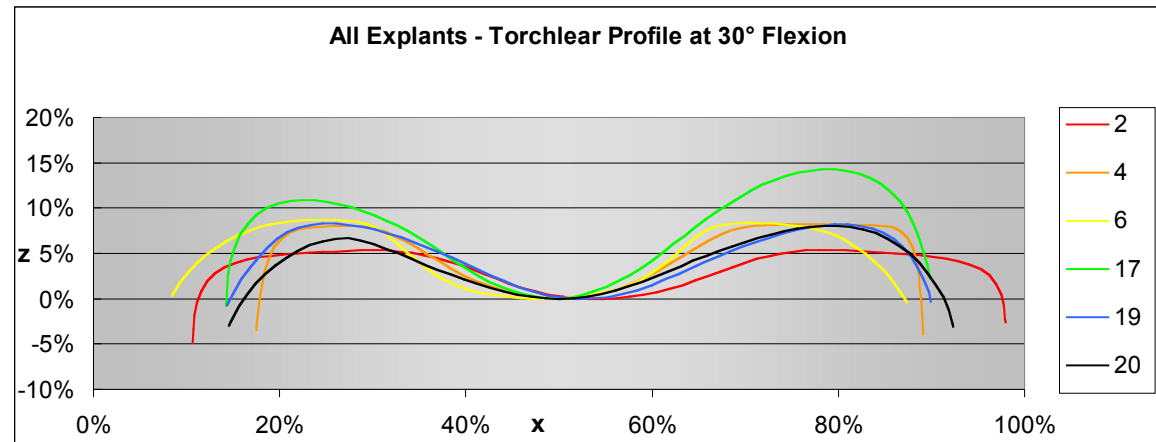
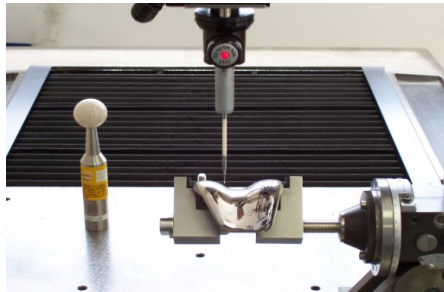
@ study Seniois, Malekpour



- 30 patients
- Arthroscopy at 30° flexion
- Without water

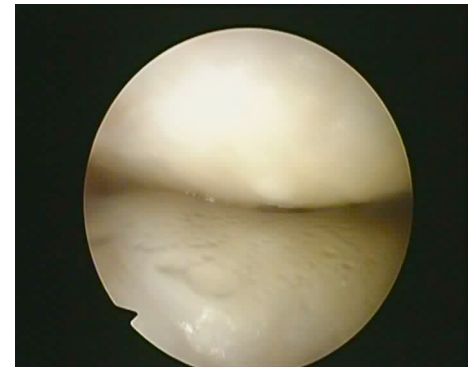
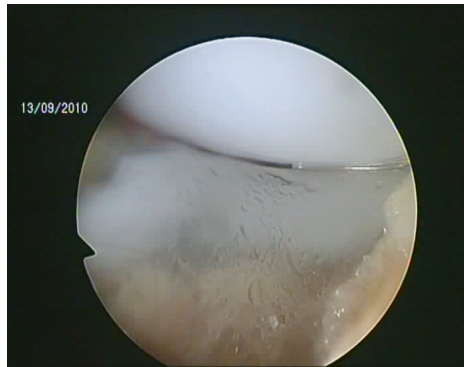
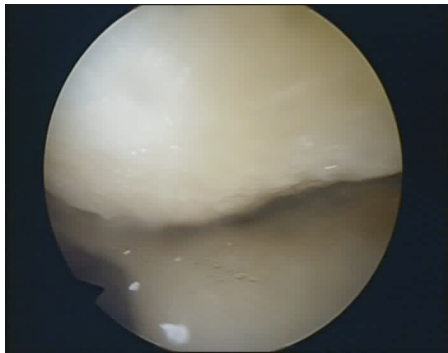


Trochlea shape

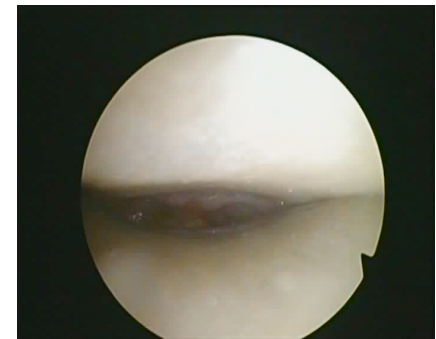
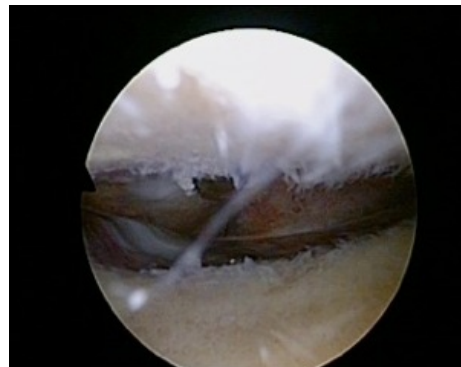


PF matching @ and X ray

- Good



- Poor



@ in Uni

- Lateral bucket handle
- pseudo-meniscus
- Flap cartilage
- Same TKA

Arthroscopie après prothèse unicompartmentale du genou.

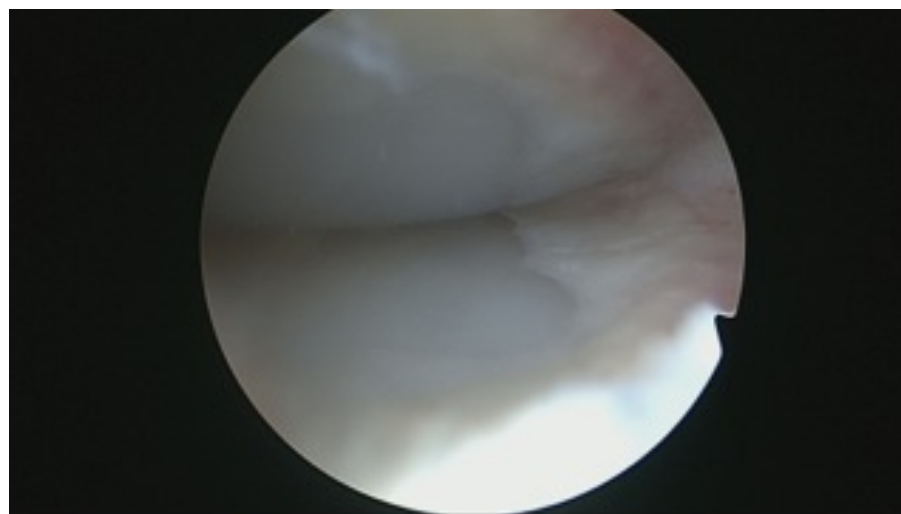
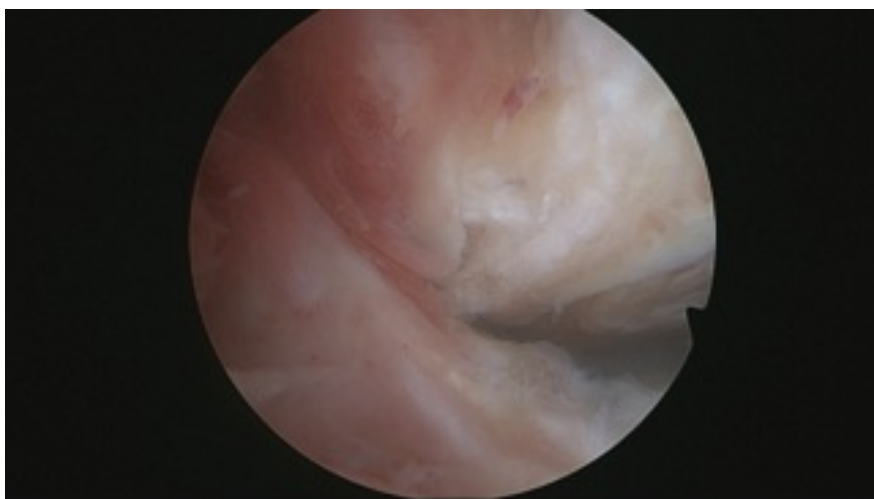
S. Hannaouib, S. Lustiga, E. Servien, T. Aït Si Selmia, P. Neyreta,

Revue de chirurgie orthopédique et réparatrice de l'appareil moteur (2008) 94, 678—684

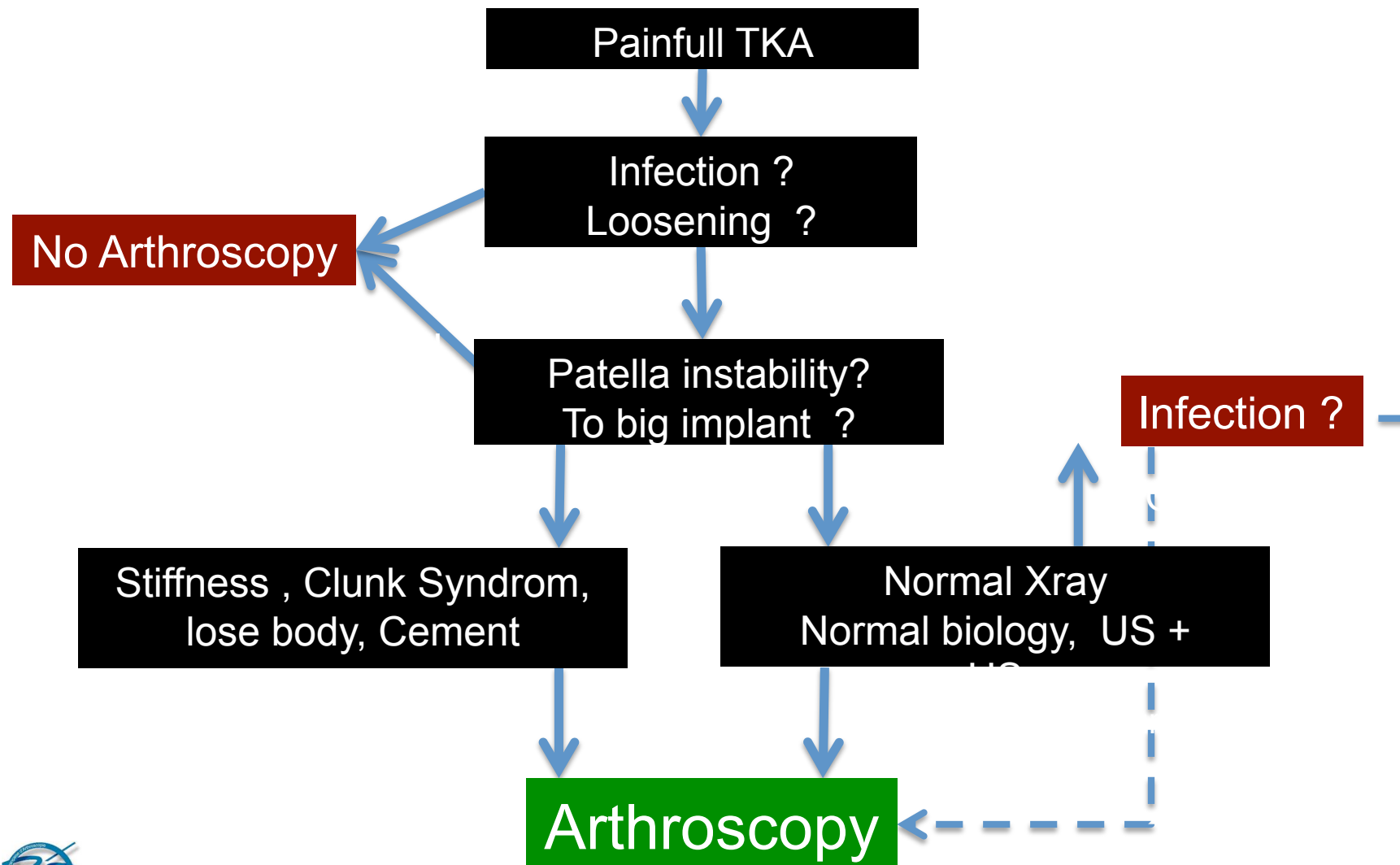


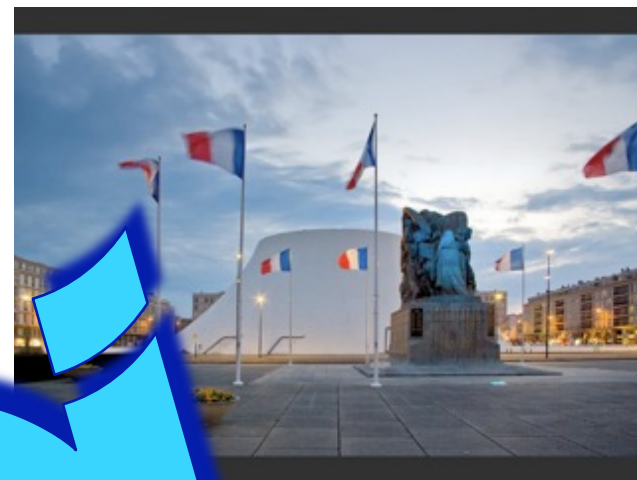
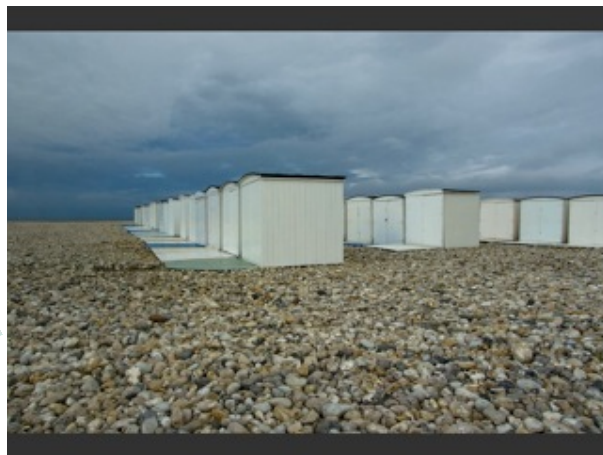
Un exemple





Decision tree





WAG

