

ACL: REVISIONS

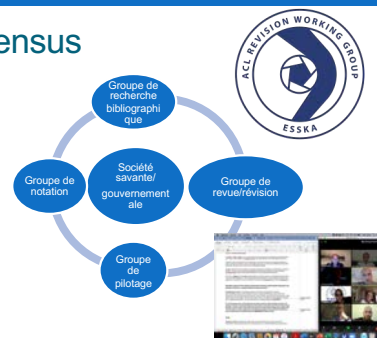
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ESSKA Consensus

- = Guide de bonnes pratiques
- = travail consensuel de formalisation des données
- Méthodologie stricte
- Processus long
- Plusieurs groupes de travail indépendants (Experts)
- Publications/Diffusion large

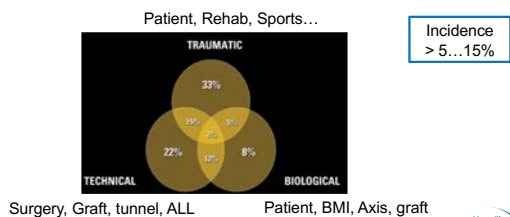


Steps towards a proper ACL revision

- 1 analyze
- 2 Repair
- 3 Reconstruct

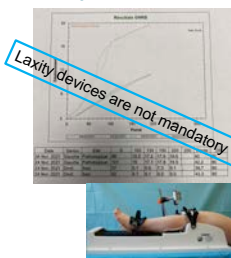


Reasons of failure



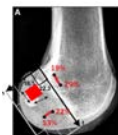
Clinical examination, History

- AP laxity
- Hyperextension
- Pivot shift
- M/L laxity
- Alignment
- Muscle
- Donor site morbidity



Additional imaging

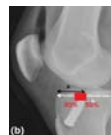
- AP, lat, Schuss, Skyline
- Long leg standing radiographs



Bernard and Hertel



Zantop, Petersen COOR 06



Staubli



Additional imaging

- MRI
- (+CT scan if needed)
- Tunnel widening and position
- Graft signal
- Associated lesions

MITCHELL 2017

Additional imaging

- Lat view
- Tibial slope
- >12° ... Discuss correction

Dejour

Additional imaging

- Long-leg standing radiographs
- Malalignment
- >5° ... Discuss correction, especially if medial meniscectomy and/or chondral degeneration
- Grade B

Reasons of failure

Patient, Rehab, Sports...

Incidence > 5%

TECHNICAL: Surgery, Graft, tunnel, ALL

BIOLOGICAL: Patient, BMI, Axis, Slope, graft


Reasons of failure: understand in order to make corrections

March group JOR 2020


Predictors of outcomes

- Meniscus
- Previous meniscectomy
- Chronic lesion
- Cartilage

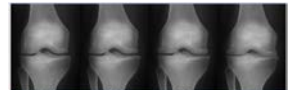
Surgical techniques



- Associated lesions
- Meniscus
- Repair++


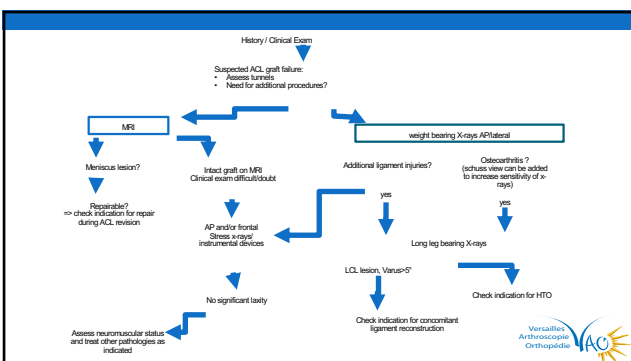


Surgical techniques / Repair

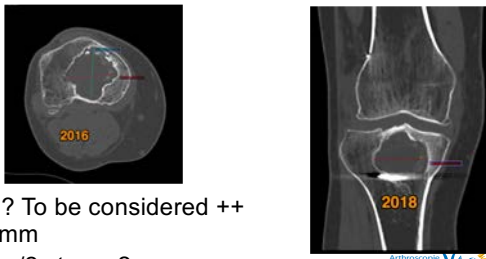


| | Grade 1 | Grade 2 | Grade 3 | Grade 4 |
|---------------|------------------|---------|---------|---------|
| LABRIFICATION | None | Small | Medium | Large |
| DEGENERATION | No history of OA | Minor | Major | Severe |


- Associated lesions
- Cartilage
- Axis
- HTO?

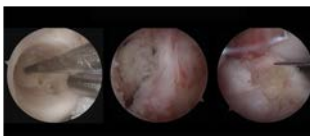
Surgical techniques / Bone grafting




- When? To be considered ++ if >15mm
- 1 stage/2 stages?



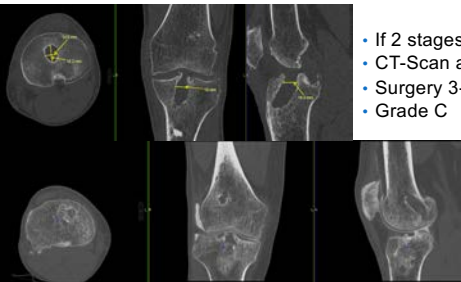
Surgical techniques / Bone grafting




- Autograft
- Or
- Allograft
- 1 or 2 stages
- Grade B



Surgical techniques / Bone grafting






- If 2 stages
- CT-Scan after 3-4 months
- Surgery 3-6 months
- Grade C

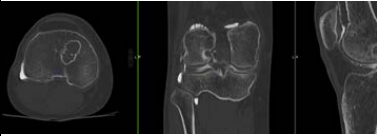



Which tunnel?

- Example: 28y
- 3 failures
- Lateral laxity (missed)
- AP laxity

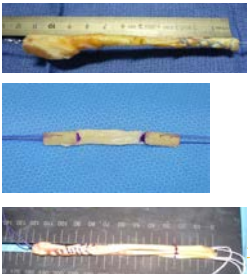




Anterolateral tunnel?

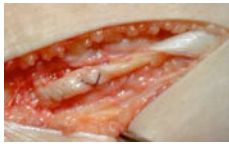
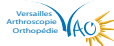
Surgical techniques

- Graft Choice: Autograft
 - BTB/Quadriceps
 - Hamstrings
- Allografts +/-
- Grade C
- Other side?
- Re harvesting




Indication for lateral extraarticular tenodesis

- If:
 - Pivot shift +++
 - Lachman +++
 - Pivoting sports
 - Hypelaxity
 - Grade B

Adress Associated injuries+++

- Collateral ligaments++
- MCL ++, PLC
- Clinical exam, Stress X-Rays




Conclusions

- Revision ACL
- Adress All reasons of failure
- Radiographs, MRI, CT scan
- Difficult surgery
- « Average » results

