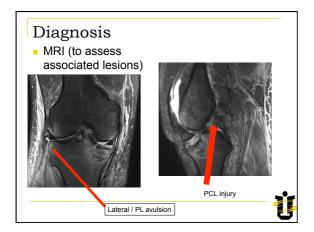
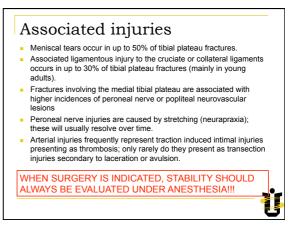
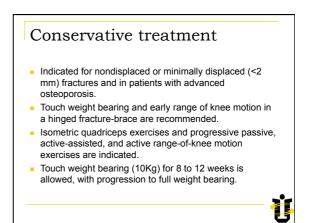


<section-header>









Surgical treatment (ORIF)

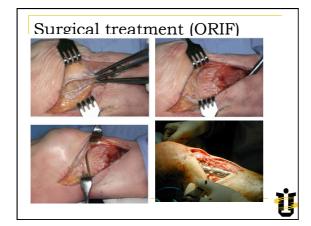
Usually indicated in:

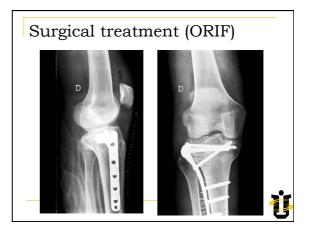
 More complex fracture patterns (Schatzker type II, IV to VI)

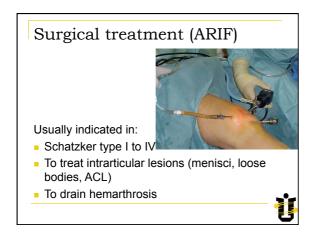
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- Open fractures.
- Compartment syndrome.
- Associated vascular injury.
- Insufficient reduction with ARIF

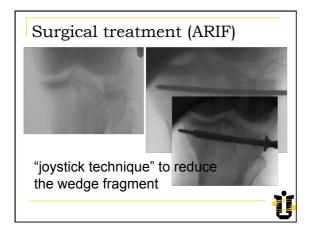




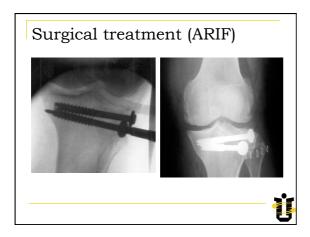












Post-operative care (ARIF and ORIF) Non weight bearing with continuous

- passive motion and active range of motion.
- Weight bearing is allowed at 8 to 12 weeks.

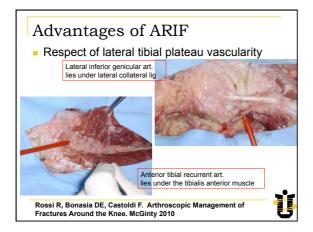
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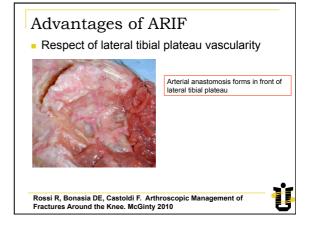
Advantages of ARIF

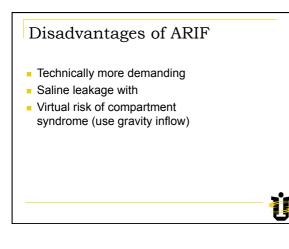
- Mini-invasive
- Less post-operative pain
- Better visualization of the articular surface
- Debridement of loose bodies
- Diagnosis and treatment of intrarticular lesions
- Drainage of the hemarthrosis
- No need for lateral meniscus disinsertion

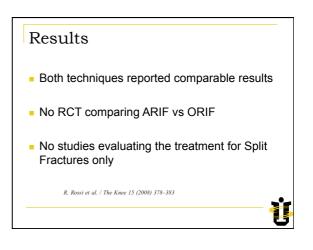
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Advantages of ARIF • Respect of lateral tibial plateau vascularity • Lateral superior genicular art. • Lateral inferior genicular art. • Anterior tibial recurrent art. Hannouche D, Duparc F, Beaufils P, étude anatomique de la vasculatization du plateau tibial externe Ann Soc Franc d'Arthroscopie, 2000









AUTHOR, YEAR, REFERENCE	N° OF CASES	MEAN FOLLOW-UP (MONTHS)	FRACTURES TYPE	SCORES
Cassard, 1999	26	32,7	Schatzker type I to IV	Mean KSS score: 94.1 for pain, 94.7 for function
Gill, 2001	29	24	Schatzker type I to IV	Mean Rasmussen score: 27.5
Hung, 2003	31	36	Schatzker type I to VI	HSS scores: 25 excellent, 4 good, and 2 fair
Roche, 2001	15	33	Schatzker type I to VI	Rasmussen score: excellent in 80%, fair in 20%
Rossi, 2008	46	60	Schatzker type II and III	Knee Score: excellent in 80%, good 13%, fair in 7%

Conclusions Stability should always be evaluated under anesthesia before and after fixation, and repairable associated lesions addressed ARIF and percutaneous screw fixation is indicated in closed split fractures Intrasubstance ACL/PCL lesion can be reconstructed after fracture healing Gravity inflow for ARIF ORIF is indicated in more complex cases, failed ARIF, in open fractures and compartment syndrome

