

Treatment of Patellofemoral Dislocations : Operative vs conservative Rx



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PF Instability :

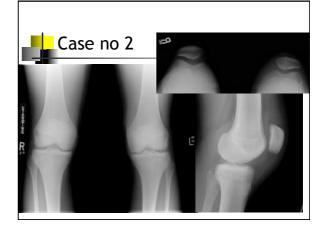
Predisposing Factors

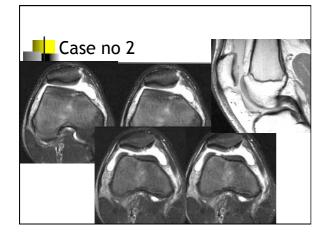
- Female > Males
- Limb alignment
 - Q angle, Valgus, rotation, trochlear dysplasia
- Chronic Instability (ligamentous)
- Traumatic event without predisposing factors **
 - **Likely to succeed with non op Rx



Case no 2

- 15 yo male
- Competitive basketball player
- Acute patellar dislocation
 - 1st time
 - At 10 days full ROM, minimal pain, walking
- Exam:
 - Normal alignment
 - medial parapatellar tenderness
 - mild VMO tenderness
 - Apprehension
- Normal xrays



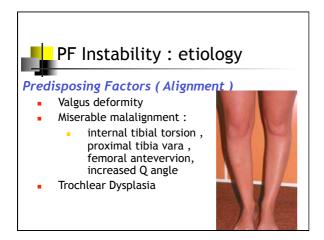


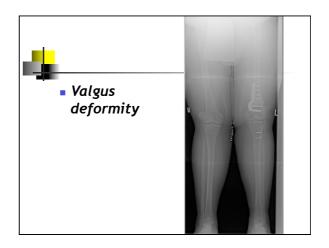


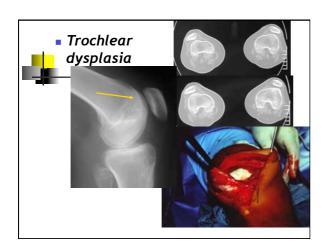
Case no 2

What would you do?

- a) rehab program , reduce/modify activity, bracing
- b) Scope, debridement, rehab, bracing
- c) Scope, debridement, repair MPFL
- d) Scope , open realignment , MPFL repair

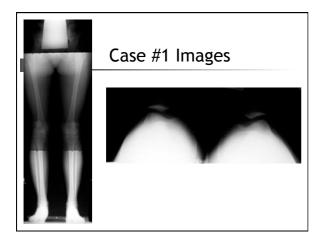


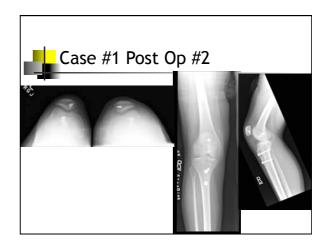






- My Approach
 - If they have clear predisposing Factors as outlined, conservative Rx will likely fail
 - If they do not have significant predisposing factors they are likely to succeed with conservative Rx.





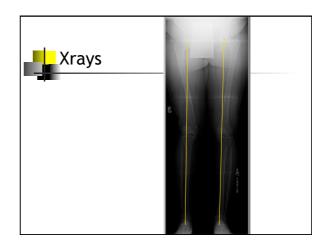


L Case 4 : PF instability

- 27 yo female
- Long history of R knee PF instability
- 1 year of age : history of femoral osteomyelitis









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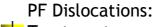
PF Dislocation: treatment

- Depends on
 - Time of the season and athlete's desire
 - Presence or absence of osteochondral fragment
 - Underlying predisposing factors
 - If no osteochondral fragment(s), no underlying factors, would **NOT** recommend surgery
 - Early rehab, PF sleeve, return to sports



Case no 2

- Arthroscopy , debridement of chondral fragments
- PT, sleeve (brace)
- Returned to sports at 4 weeks (basketball)
- No problems for the season/
- 2 years later returned with another dislocation (2 dislocations in 2 years)





Treatment

Summary

- Careful patient evaluation
- Anatomical predisposing factors will affect outcome
- In certain situations, depending on patient expectations, non operative Rx with rehabilitation will succeed

