

Isolated PF arthritis I PFJ arthroplasty since more than 20years More than 15 different devices on the market More than 20 performance of the second seco

Strict Indications for PF arthroplasty Radiographically proven severe osteoarthritis PFJ No significant axial deformity "Normal" tibiofemoral joint Extended Indications

IIIII □ Final decision at arthrotomy?



Relative Contra-indications

□ Early Chondral Disease

Patella Baja

□ True Algodystrophy

□ Pain Enhancement Syndrome



















Sizing Considerations

- □ How much flexibility does the implant allow for proper restoration of natural anatomy?
- □ Is the implant sized to potentially be compatible with a unicondylar knee replacement if the indications are appropriate?



□ Are there any tracking, balancing, or overhang issues that must be considered?

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Symmetry Considerations

- □ Is the objective of PFA to restore natural trochlear anatomy or to be a staging treatment leading to TKA? Is a symmetric device more likely to ensure a TKA-like placement mentality to ensure repeatability?
- □ What is the effect of properly establishing correct and repeatable patella tracking on the kinematics of the knee, and does and anatomic implant support this objective better?

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Constraint Considerations

- How much does a constrained implant limit optimum placement in restoring natural trochlear anatomy by increasing its control of patellar tracking?
- □ What additional patellar forces may be generated by a high constraint level on the trochlear implant?
- □ What additional soft tissue considerations exist with a less constrained implant?
- □ How do the failure modes change with implant constraint level?













- Good indication for a well-selected patient population: very few indications!
- New anxillarity for better and more reproducible positioning (ML and rotational)
- □ Careful analysis of anatomy and alignment
- □ Surgical technique & experience!!

