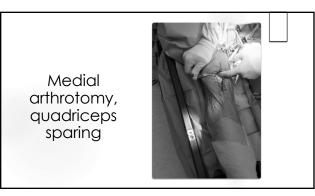


## Position Patient

- DEMAYO or Stryker leg holder
- Medial position for patellar resection



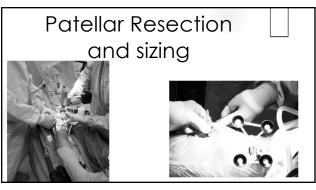


8



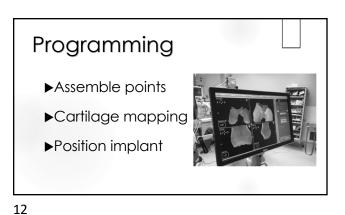
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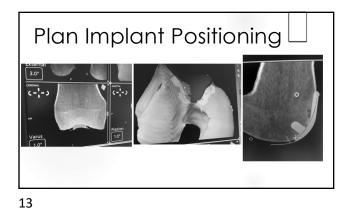
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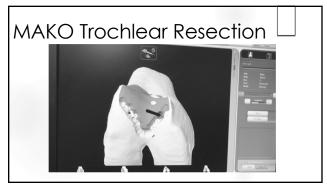


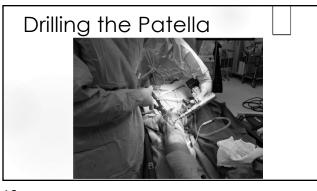
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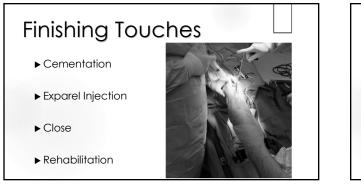


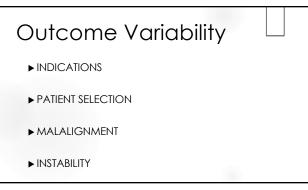




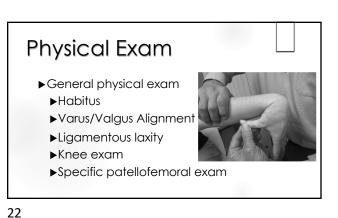












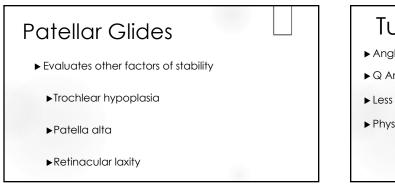
 Passive Patellar Tilt
 Patellar Glides

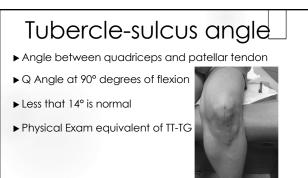
 • Evaluates lateral retinacular tightness
 • Knee in 30° of flexion

 • < 0°, Tight lateral retinaculum</td>
 • -4 quadrants, medial and lateral

 • 0-20°, normal
 > 3, laxity

 • > 20°, hypermobile
 • Apprehension sign

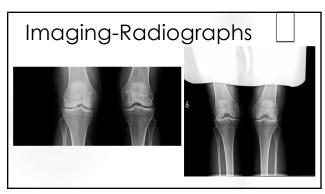


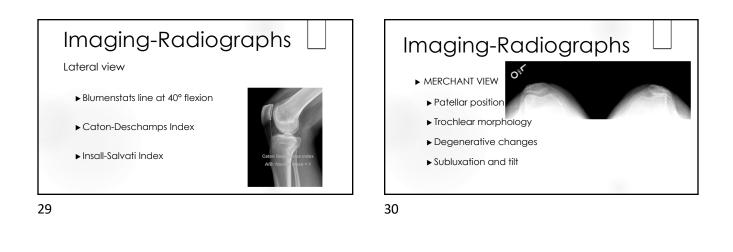


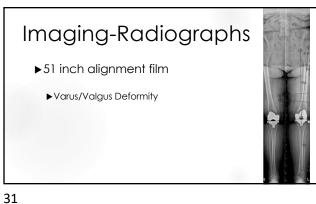
### Imaging-Radiographs ▶ 40 ° Flexion PA weight bearing view-Rosenberg/Salt Lake ▶ Lateral at 45 ° of flexion ► Merchant view

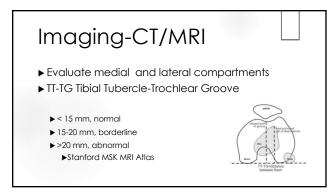
▶ 51 inch alignment film

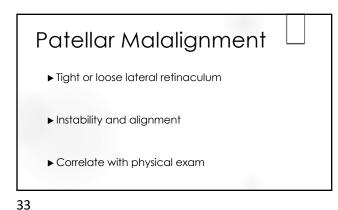
27

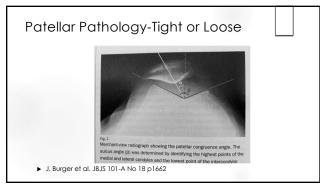




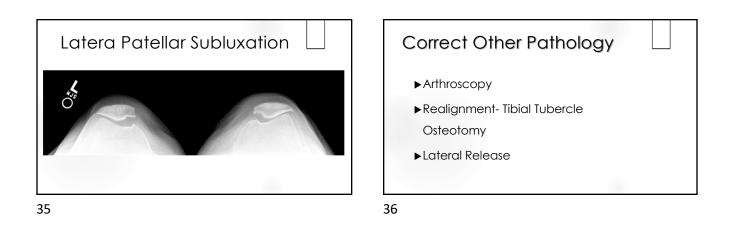


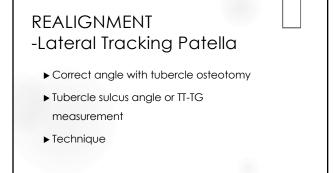


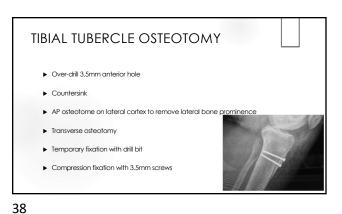






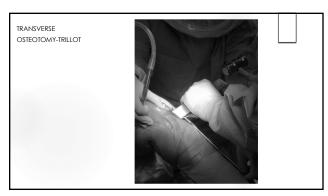






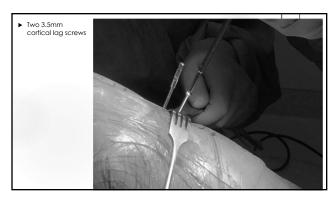


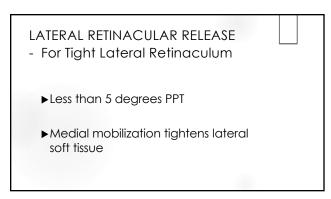










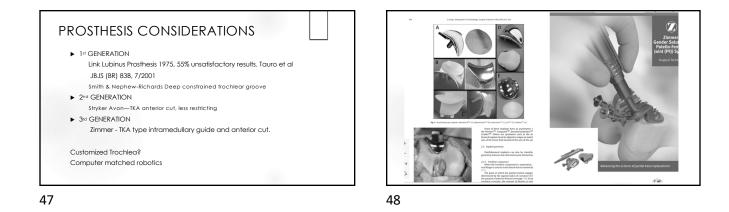


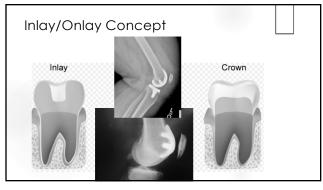


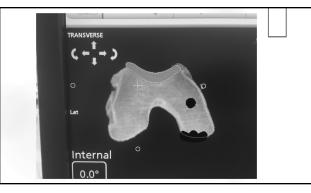
 Last line of defense in limiting lateral displacement with incompetent MPFL.
 Christofrakis, JKS, sports tramatology, Arthroscopy 2006

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Medial Patellar Subluxation-Previous Lateral Release







#### Optimum Patellofemoral Prosthesis Design ENGAGES PATELLA IN FULL EXTENSION UNCONSTRAINED MATCHES FEMORAL ANATOMY CONSERVATIVE BONE RESECTION • 14 Generation Complications: 17% Onlay • 2md Generation Complications: 4% Inlay Laskin, Richard, Corr 11:2004

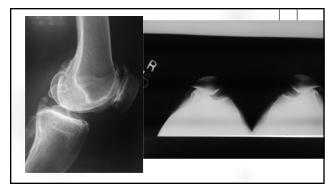
52

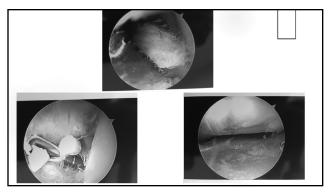
### Patellofemoral Reconstruction Cases

- 45 year old professional with bilateral patellofemoral arthritis
- Symptoms uncontrolled with conservative management
- Patellar malalignment tubercle osteotomy
- Loose bodies arthroscopy

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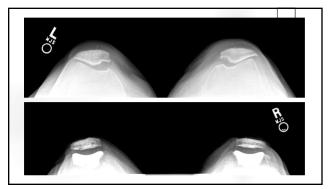




# Disease Progression

- ▶66 year old PF DJD and malalignment
- ► Right PF replacement, TTO, lateral release
- ► Left side 1 year later
- ▶ Symptomatic right knee 8 years later

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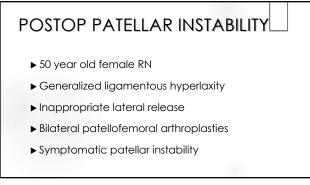


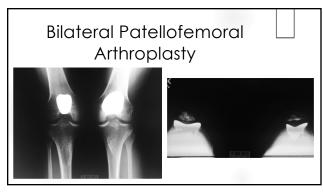
58



59







MPFL Reconstruction for patellar stability



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Conclusion

Current robotics offer improved technique for patellofemoral arthroplasty

Treat comorbidities

Select appropriate implants
Avoid complications
Learn techniques
Utilize peer resources

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