Rapid Fire Revision Knee Cases

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68 yo M
6’7” 320 lbs. BMI 36
10 R TKA 2008
10 L TKA 2011
L knee pain 2019
Issues:
- Tibial stem in 10 ?
- Revision fixation ?
- Revise both ?
MD 8 weeks Post-Op

- “Great” until twisted while toweling off after shower 2 weeks ago
- “Unstable”, pain, and clicking
62 yo F
BMI 22, fit
Multiple revisions for infection, ex mech
Recurrent sterile effusions (150 cc)
"stiff", mild pain
-100 - 120°
• 68 yo F
• 4’11” 220 lbs.
• BMI 43
• Eschar, intermittent drainage
• -60° – 120°
• Brace and walker
• Allograft ex mech
• Infection w/u negative
- Tibia well-fixed
- Removed allograft
- Revised femur
- No pain, cane
- Plan for custom segmental femoral implant
45 year old male firefighter
MVA multi-trauma
Infected distal femur non-union
Now infection free, lateral incision
Issues:
  • Approach
  • Exposure
  • Management of bone loss
  • Assessment of limb length
MB 11 years post-op

0-80 flexion

no extensor lag

no pain and no assistive devices

back to full-time duty as fire captain in Las Vegas
Ex Mech

- 85 yo M
- anterior pain 2007
- $40^\circ$ extensor lag s/p quadriceps tendon repair x 2 PMHx
- Ischemic CM, COPD, CRI, and multiple myeloma
- Issues:
  - Allograft
  - Mesh
  - Constraint
Whole Extensor Allograft
Arthrodesis

Did well for 2 years, then presented with 5 weeks of pain, draining sinus, and aspirate positive for MSSA
- 84 yo healthy male
- Knee sinus
- No hip pain
- Multiple I + Ds
- MSSA
- MRSA
• 2 stage
• Articulating spacer?
- Pre-revision esr/crp nl
- Asp neg.
- 1/5 intraop cxs +
Chronic PJI

- Chronic periprosthetic joint infection s/p revision TKA
- Left-ventricular assist device
65 yo M s/p femoral revision for stiffness

Pre $1^0 \ 0^0 - 120^0$

$-5^0 - 50^0$

Infection w/u negative
Stiffness - RM

11 years post-op

$0^0 - 110^0$
RJ – Left Knee Pain
Aseptic Loosening - RJ
RJ 8 Years Post-Op
65 yo F BMI 65, 12 Years Postop

? insert exchange
65 yo F BMI 65, 6 Years Later
55 yo M laborer, RP, 8 Years Postop
55 yo M laborer, 3 Years Later
SS – “unstable”

+10° - 140°
JC – “unstable”

? insert exchange
vs.
? full revision
vs.
? tibial revision
NM – 50 yo F, Fall, “unstable”

? Brace
? MCL reconstruction
? Constrained condylar
? Hinge
NM – MCL Insufficiency

Hamstring autograft to MCL stump
55 yo M, Leg Press
Post Fracture
Anterior knee pain
Recurrent effusions
Instability
JG – Flexion Instability
SB – Lateral Pain
SA Femur Fx

- 50 yo F
- Obese
- DM
- CRI
- Depression
- Wheelchair
R TKA, L TKA 2 years later
Infected Complex Primary R
L knee PJI: Pseudofusion
Chronic Bilateral PJI

- 75 yo obese M
- DM, CHF, CRI
- Wheelchair
- Systemically septic with multiorgan system failure
- R knee draining
- L knee chronic PJI
Psuedofusion L knee

Insert exchange L knee at initial operation
WM – Anterior Knee Pain

60 yo M
2 years post-op
OA
healthy
$0^\circ$ – $130^\circ$ preop
$0^\circ$ - $85^\circ$
54 yo M cc: R knee pain
2009 Primary R TKA
2012 c/o R Knee Instability
R Revision, LCL Reconstruction
Aeptic L Tibial Loosening 2014
Thank You