Charcot

- Ankle
- Hindfoot
- Midfoot
- Infection
- Ulcers

- Charcot-Marie-Tooth
Before: Charcot variety
Valgus def.
Fibular impingement
Temporary wires
After: Solid ankle/ST Fusion
Preop, charcot ankle, DM

Collapsed talus
Solid tibio-calcaneal fusion
Plantigrade foot
LLD 3 cm (missing talus)
Solid New Bone at lengthening site
After: no LLD
After: Plantigrade foot
Before
Hindfoot valgus
After: plantigrade foot
Custom shoe needed
After: Solid TTC fusion
Before: Infected, ulcer
After: Solid Tibio-calcaneal fusion & eradication of infection
Before: Poor Calcaneal bone stock
After: Solid T-C fusion
Before: severe ankle hindfoot destruction with ulcer + infection
After: Solid T-C fusion + plantigrade foot + no infection
Ankle/ Hidfoot Lessons

- Ankle + ST fusion
- Limit WB
- Talus often non-viable
- Tib-Calc fusion good option
- Tibia lengthening good option for some

- Custom Shoes
- IM rod is option
- Antx coated for infx
- Infection can be addressed successfully
- Excise ulcers
- Poor calcaneal bone stock- frame is good
Midfoot Charcot

before
after
Before: Rocker-bottom
Midfoot Lessons

- Rule out infection
- **Try to use IF**
- If infected, use Ex Fix or stage
- Gastroc recession

**Indications for External Fixation**
- Large deformity
- Infection
Foot deformity

- Charcot-Marie-Tooth Disease
Equino-varus
Cavus-supination

Before
Thank You

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