23 YO M
Fibular hemimelia

- Congenital longitudinal deficiency of the fibula
- Most common congenital lower extremity deficiency
- First described in 1698 by Gollier
- Most often unilateral
- Wide spectrum of abnormalities involving lower extremity
- Males affected 2:1
- Can occur sporadically or in association with other congenital anomalies
Classification

Achterman and Kalamchi

1. Type I: minimal hypoplasia of the fibula
2. Type II: complete absence of the fibula

Treatment

- Shoe lift
- Brace
- Limb lengthening

http://www.joas.in/articles/2016/4/1/images/JOrthopAlliedSci_2016_4_1_1_180677_u1.jpg
http://img.medscape.com/article/mgmpre00/art-mos4903.fig3a.jpg

http://www.joas.in/articles/2016/4/1/images/JOrthopAlliedSci_2016_4_1_1_180677_u1.jpg
Syme amputation
Internal derangements

- Distal femoral dysplasia
- Convexity of proximal tibial epiphysis with hypoplastic or absent tibial spines
- Genu valgum
- Tibial bowing
- Hypoplastic or absent ACL/PCL
- Menisci
- Posterolateral corner
References


5. www.wheelessonline.com/ortho/fibular_hemimelia_longitudinal_fibular_deficiency