



23 YO M





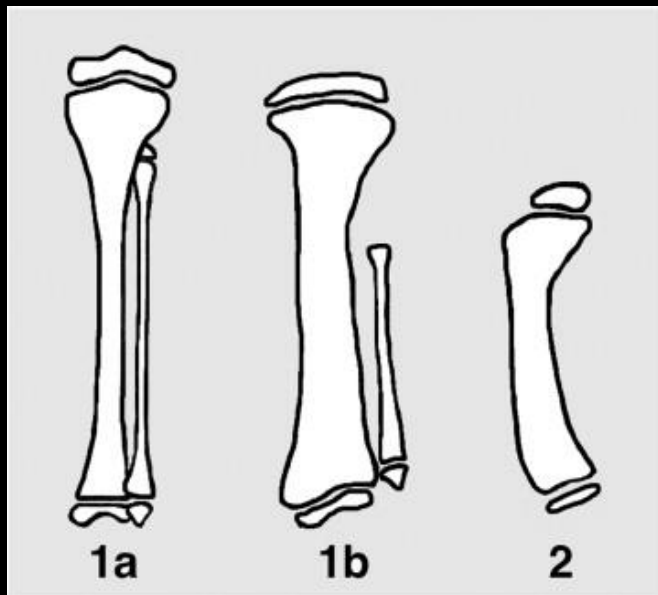
Fibular hemimelia

- 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

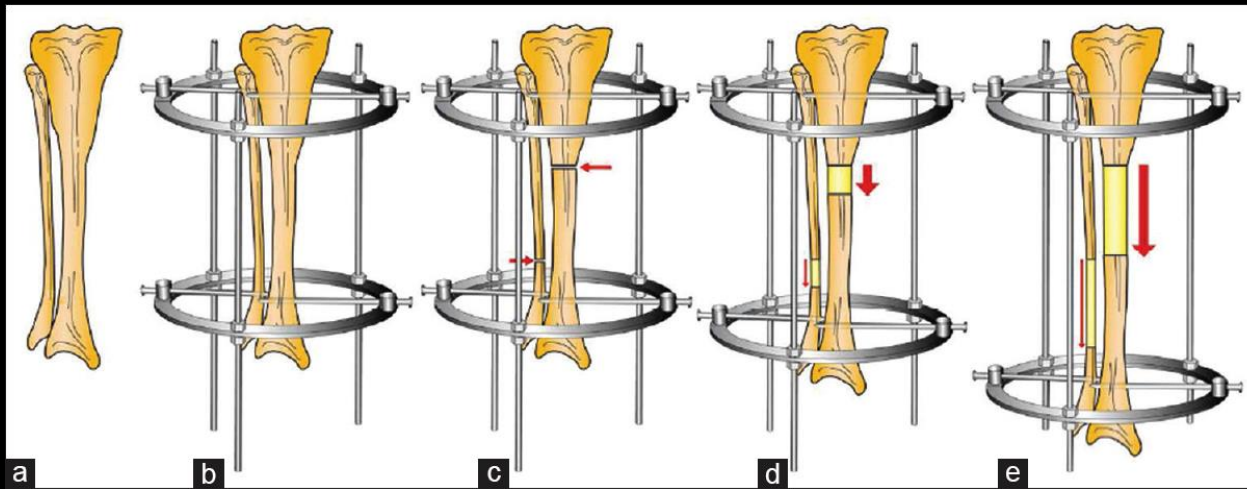
Achterman and Kalamchi

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



Treatment

- Shoe lift
- Brace
- Limb lengthening



Medscape ©
<http://www.medscape.com>

<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



<http://www.sj-r.com/storyimage/LS/20140605/NEWS/140609593/AR/0/AR-140609593.jpg>

<http://www.wheelsonline.com/image8/syme5.jpg>



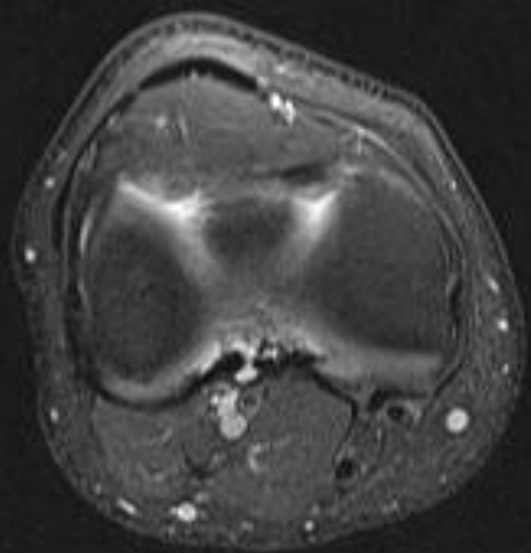
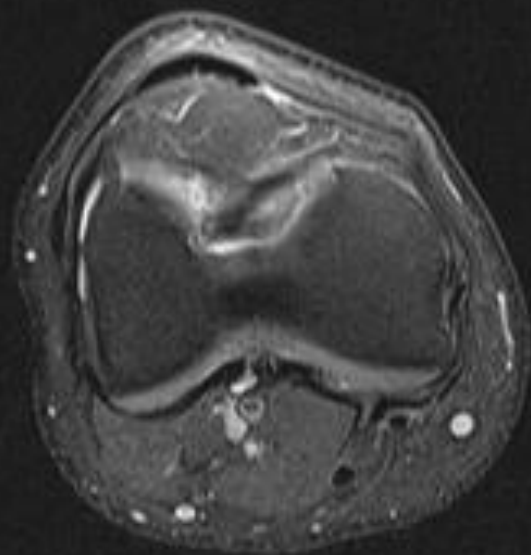
<http://fabulouslifeblog.blogspot.com.ar/2011/04/inspirational-spirit.html>

<http://www4.pictures.zimbio.com/gi/Aimee+Mullins+6th+Annual+L+Oreal+Paris+Women+xDEEPoc6YNMI.jpg>

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

1. Roux, M. O., and H. Carlioz. "Clinical examination and investigation of the cruciate ligaments in children with fibular hemimelia." *Journal of Pediatric Orthopaedics* 19.2 (1999): 247-251.
2. Patel, Minoo, et al. "Limb-lengthening versus amputation for fibular hemimelia." *J Bone Joint Surg Am* 84.2 (2002): 317-319.
3. Yoong, Philip, and Ramy Mansour. "Internal derangement of the knee in fibular hemimelia: radiographic and MRI findings." *The Knee* 21.3 (2014): 749-756.
4. Stanitski, Deborah F., and Carl L. Stanitski. "Fibular hemimelia: a new classification system." *Journal of Pediatric Orthopaedics* 23.1 (2003): 30-34.
5. www.wheelessonline.com/ortho/fibular_hemimelia_longitudinal_fibular_deficiency
6. http://www.wheelessonline.com/ortho/symes_amputation