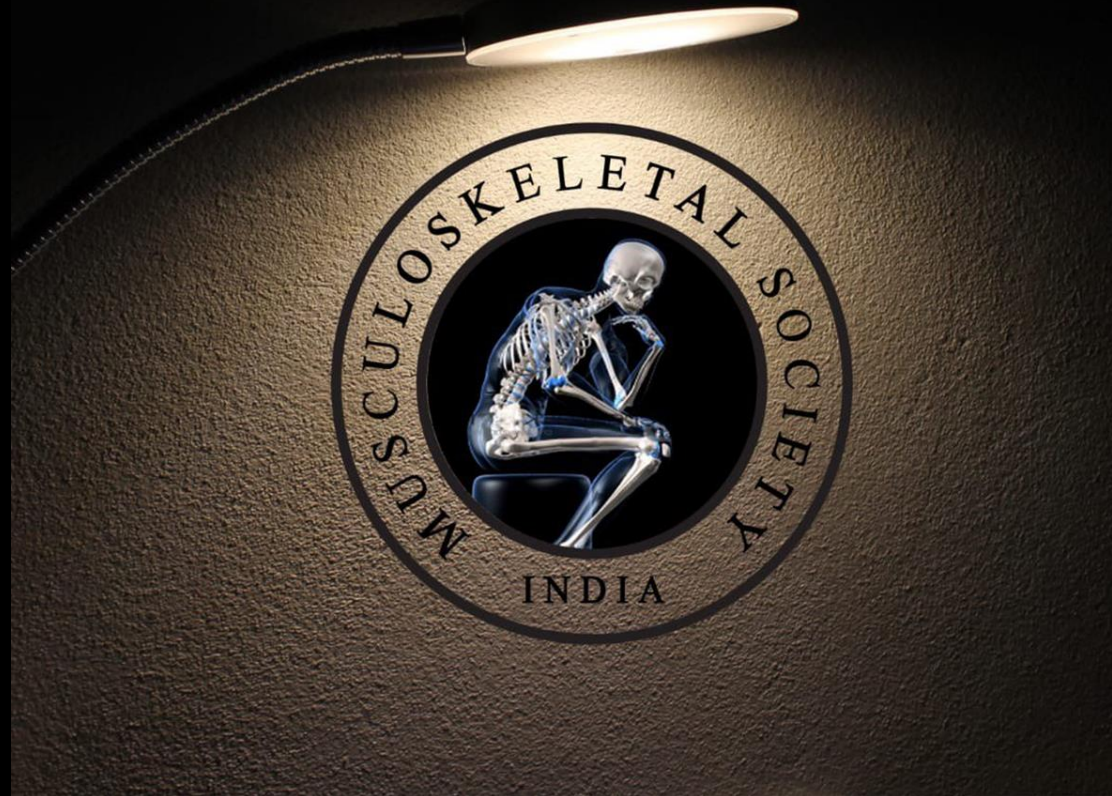


MICOD – 30/07/2024

Case contributor – Dr. Chinmay P. Mehta

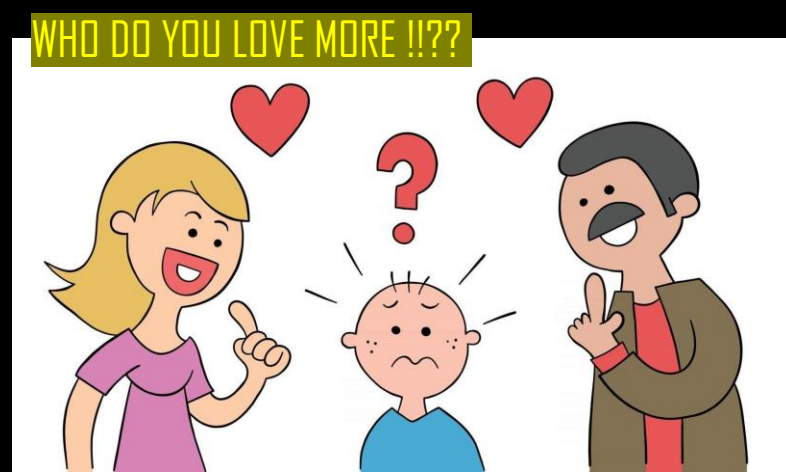
MI-COD

MSS INDIA- Case Of the Day



THE N SERIES ENTRAPPED SERIES

#Happy Wedding Season

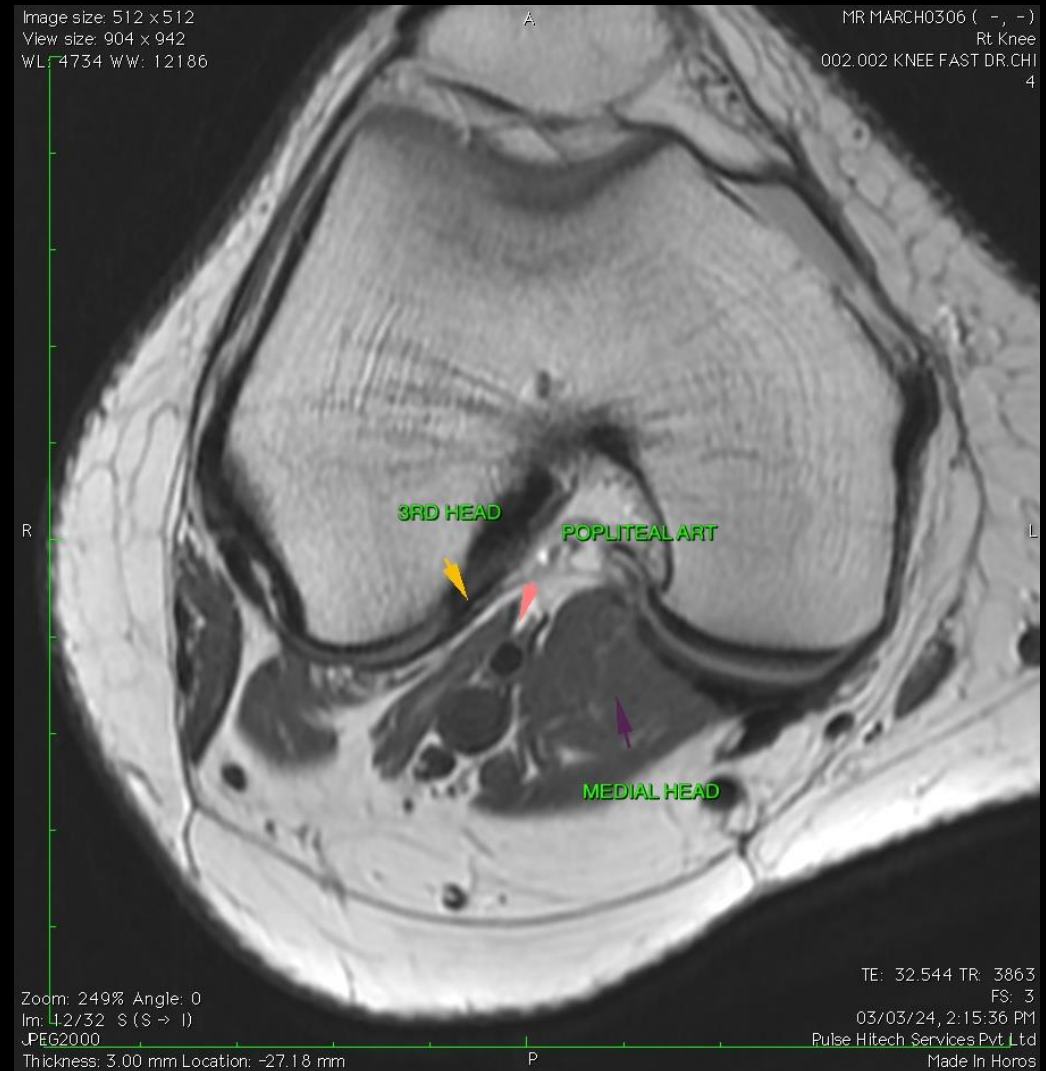
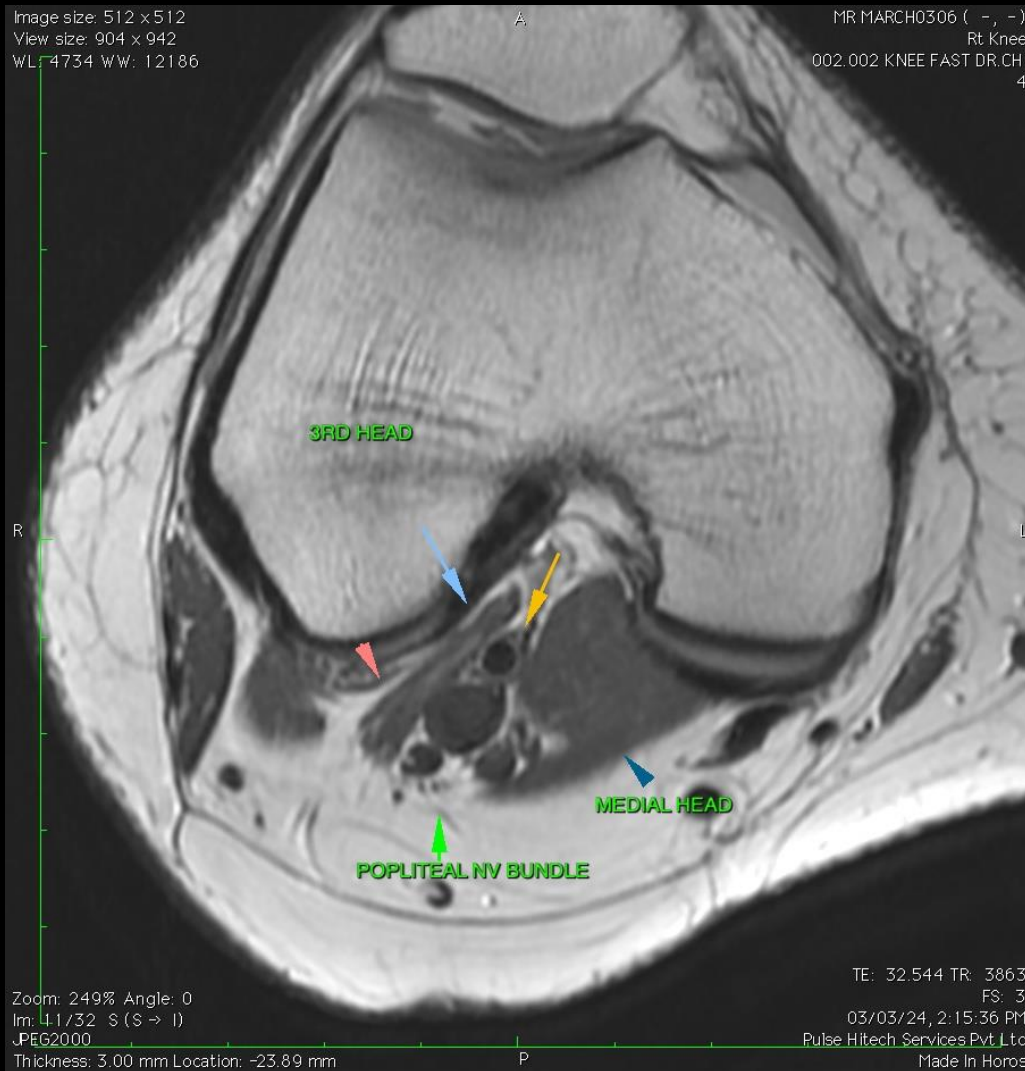


27-year-old dancer had popliteal fossa pain on performing the following steps (gif), preparing for the wedding performance. It was relieved on rest. What could be the possible etiologies?





Popliteal artery entrapment syndrome by third head of gastrocnemius/accessory head



Popliteal artery entrapment syndrome by third head of gastrocnemius/accessory head

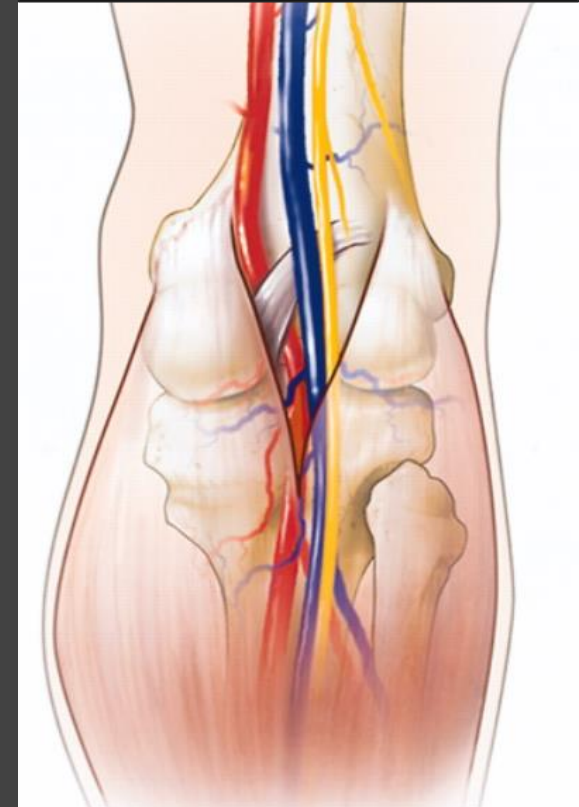
<https://radsource.us/accessory-muscles-of-the-knee/>

- Anomalous origins and accessory slips of the medial or lateral heads of the gastrocnemius may occur
- First described by Kelch in 1813 and further detailed by Frey in 1919
- Estimated frequency of the accessory 3rd head of the gastrocnemius is between 2.0% and 5.5%
- Accessory 3rd head of the gastrocnemius is best demonstrated on non-fat saturated sequences and can range in size from a thin threadlike muscle or tendon to a bulky muscle
- Important to be aware of these variants because of their relationship and effects on the popliteal vessels
- Rarely, the 3rd head of the gastrocnemius can be associated with nerve entrapment

Anomalous muscle band with abnormal attachment



Fibrous band & popliteal artery entrapment



Macedo TA et al. Popliteal artery entrapment syndrome: role of imaging in diagnosis. AJR Am J Roentgenol. 2003