

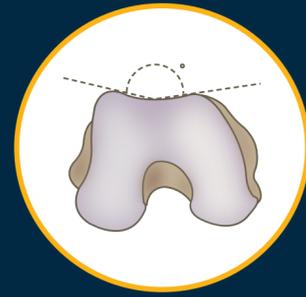
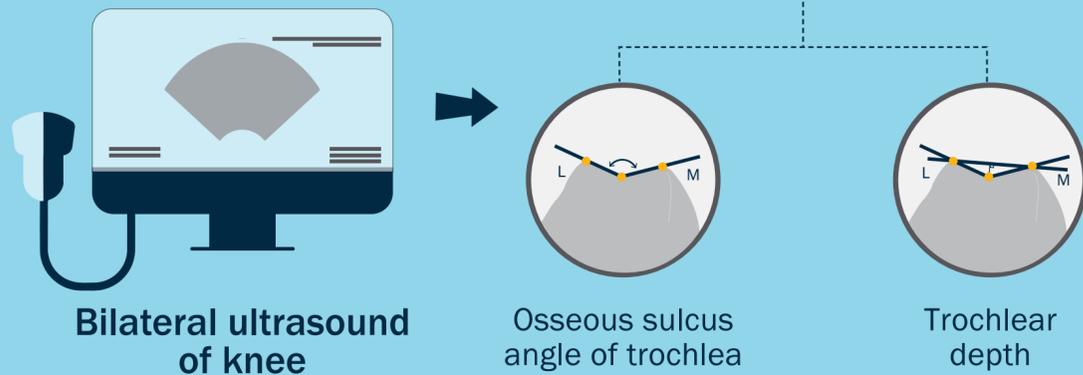
Incidence of Trochlear Dysplasia and its Relationship with Patellar Instability

Patellar instability, a common condition in adolescents, is known to be strongly associated with trochlear dysplasia

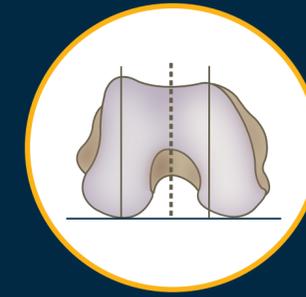


Study investigated the prevalence and associations of trochlear dysplasia in 102 skeletally-mature individuals presenting to orthopedic clinics for complaints other than knee symptoms

Identification of trochlear dysplasia by



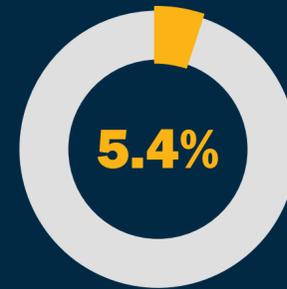
Mean sulcus angle:
144.1° ± 6.8°



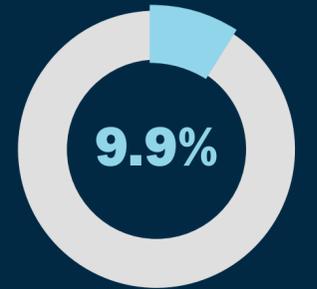
Mean trochlear depth:
5.5 ± 1.4 mm

Prevalence of high-grade trochlear dysplasia

Based on sulcus angle



Based on trochlear depth



Results

High-grade trochlear dysplasia



Association

11 times more likely



Previous patellar instability



High grade trochlear dysplasia affects nearly 5-10% of adults and is strongly associated with patellar instability

Prevalence of Trochlear Dysplasia and Associations with Patellofemoral Pain and Instability in a Skeletally Mature Population

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