25 y/o M who presents with severe acute onset right knee pain after fall

Atul Kumar, MD, MS Daniel E. Marrero, MD





Frontal View R Knee





Lateral View R Knee







Right Anterior Tibial Dislocation



No acute fracture

Medial displacement of tibia in relation to femur

Frontal View R Knee



No acute fracture



Anterior displacement of tibia in relation to femur





Knee Dislocation

- Rare, < 0.5% of joint dislocations
- Can be seen with both high (MVA) and low (sports injury) energy trauma
- Often associated with
 - Fracture
 - Ligamentous injury
 - ACL disruption 100% of the time
 - Meniscal tear
 - Vascular injury
 - Evaluate for popliteal artery injury with CT or MR Angiogram
 - Peroneal nerve injury



References

 Walker RE, McDougall D, Patel S et-al. Radiologic review of knee dislocation: from diagnosis to repair. AJR Am J Roentgenol. 2013;201 (3): 483-95. doi:10.2214/AJR.12.10221

