**Presenter:** Josephina A Vossen  
**Title of Abstract:** Invincible Youth?; Lower Extremity MRI of the Adolescent Athlete.

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**Modality:** MR  
**Organ System:** MSK  
**Scientific and/or Clinical Significance?** In this exhibit we highlight the MR imaging features of the lower extremity in the adolescent athlete. Undiagnosed injuries can lead to a lifetime of poor functional results. This exhibit will aid radiologists in accurate diagnosis  
**Relationship to existing work** The adolescent athlete is a relatively small but unique patient population. In this exhibit we highlight the MR imaging features characteristic for this specific patient group.

**Purpose:** PURPOSE 1) To describe MR imaging anatomy of the knee, ankle and foot in children up to the age of 18. 2) To review the incidence and clinical presentation of athlete’s injuries in adolescents. 2) To describe characteristic imaging findings of sport-related pathology involving adolescent lower extremity. 3) To correlate MR imaging findings with findings on other imaging modalities.  
**CONTENT ORGANIZATION** 1) Demonstration of normal adolescent lower extremity joint morphology. 2) Pictorial review of characteristic MR imaging findings of several typical injuries. 3) Correlation of MR imaging findings with plain film, CT and MR arthrogram findings.  
**MAJOR TEACHING POINT** The adolescent athlete is a relatively small but unique patient population. Undiagnosed injuries can lead to a lifetime of poor functional results. This exhibit provides MR images of adolescent sport-related joint pathology which will aid radiologists in accurate diagnosis.