History
Teenager with lateral foot pain after pole vaulting injury.

Diagnosis
Cuboid Fracture

Additional Clinical
Negative radiographic examination of the foot.

Discussion
Cuboid fractures are uncommon. Ligament and capsular avulsions are most likely but the cuboid can be involved complex fracture dislocations, stress injuries and even toddler-type fractures. With abduction, the cuboid can be compressed by the calcaneus and lateral metatarsals resulting in fracture. Compression can shorten the lateral column and result in acute or chronic distractive forces medially and/or disturbance of the arch.

Findings
MR-T1 hypointensity and T2 hyperintensity in the cuboid on the sagittal and axial imaging indicating microtrabecular edema. Note the linear low signal in the anterior-inferior cuboid on the sagittal images representing fracture.
CT-Sagittal reformat performed 4 weeks after initial injury shows a healing fracture of the anterior-inferior corner of the cuboid.

Reference
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