Patient Information

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MRI LEFT ANKLE JOINT

CLINICAL HISTORY

The patient presented with trauma and pain.

PROTOCOL

Multiplanar and multi-echo MRI of the left ankle was performed without administration of intravenous contrast.

FINDINGS

Irregularity is seen of an osseous fragment measuring 6.8 x 7.9 mm which is located anteroinferior to lateral malleolus. Mild to moderate surrounding fat stranding and abnormal T2/PD hyperintensity is seen. Anterior talofibular ligament is not well-visualized and shows fluid signal T2/STIR hyperintensity along the course suggestive of tear.

Well-defined well-corticated bony fragment is seen inferior to lateral malleolus measuring 5.2 x 3.1 cm in dimensions, in keeping with accessory ossicles.

Abnormal T2/PD hyperintensity is seen involving posterior talofibular ligament suggestive of sprain. No evidence of any fiber discontinuity. The study shows normal configuration and alignment of the bones forming the left ankle joint.

The deltoid ligament is normal.

The sub-talar joint space and talo-navicular joint space are normal.

The Achilles tendon is normal.

No overt synovial proliferation / pannus formation is seen.

No gross para-articular pathology is seen.

IMPRESSION

- Complete tear of anterior talofibular ligament with an old avulsion fracture of tip of lateral malleolus.
• Sprain involving posterior talofibular ligament.

RECOMMENDATION

MRI features of fracture and tear indicate a post-traumatic etiology. Suggested correlation with clinical exam, CT SCAN ANKLE with specific mechanism of injury for establishing causation.