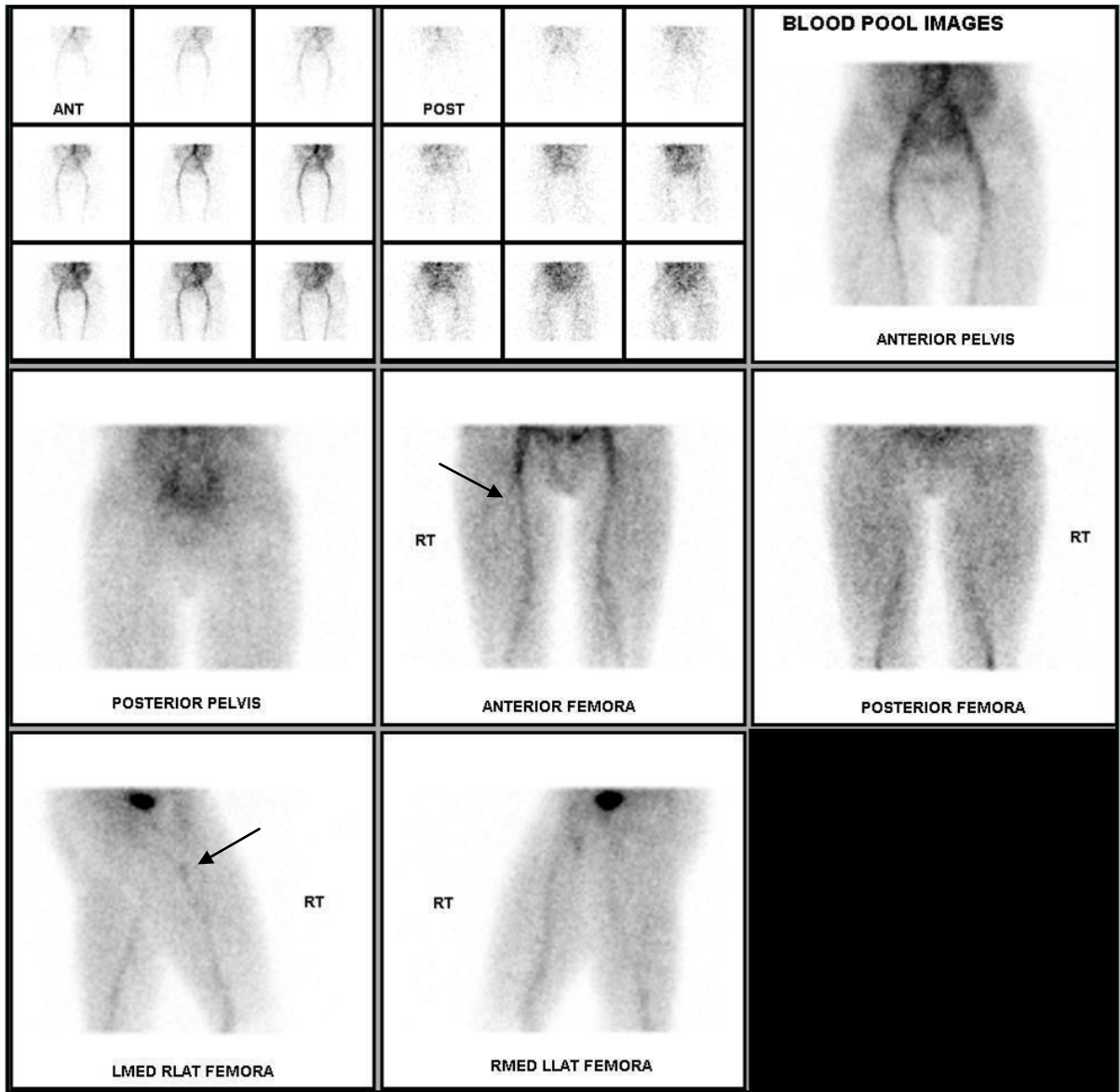


Bone Scan – Myositis Ossificans



WB DELAYED



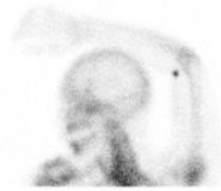
ANTERIOR



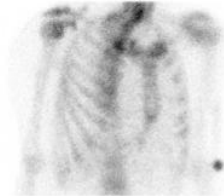
POSTERIOR



RLATERAL SKULL



LLATERAL SKULL



RAO THORAX



LAO THORAX



RPO THORAX



LPO THORAX



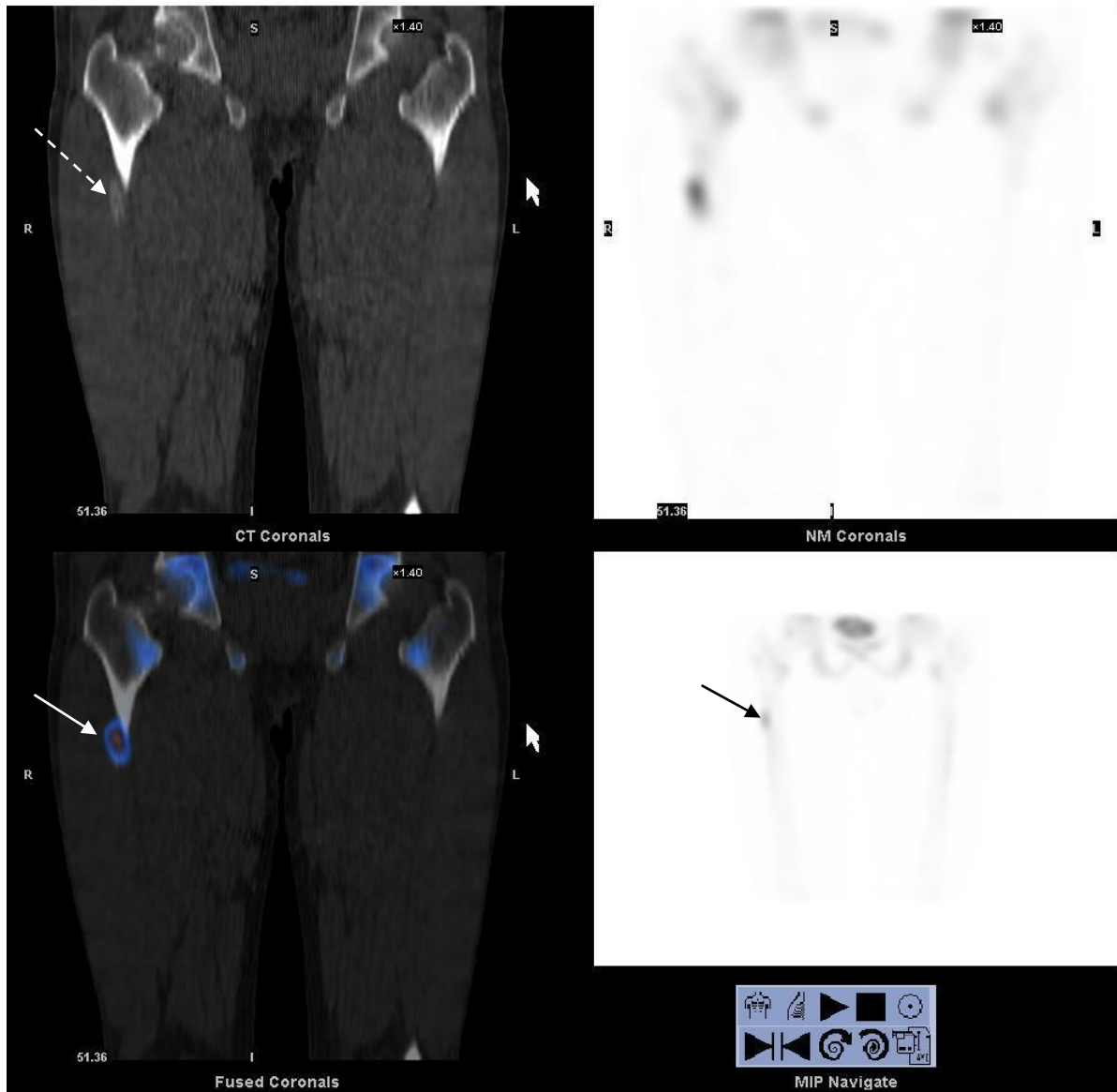
RT

LT MED / RT LAT FEMORA



RT

RT MED / LT LAT FEMORA



History : 53yr old male presented for a bone scan to clarify his right proximal, deep right thigh lesion seen on CT and MR. Patient also had pain at the site. Question was is this a sarcoma of the muscle or myositis ossificans?

Findings: Blood pool views of the thighs were performed. There was mild hyperaemia in the late blood pool study in the right lateral view (arrows) probably with some early trapping of tracer by the lesion. In the delayed views, there was a linear focus of abnormal tracer uptake adjacent to the postero-lateral aspect of the right proximal femur shaft. Elsewhere there was degenerative arthritis of both shoulders and minor degenerative arthritis of the lumbar spine.

A low dose SPECT/CT study of the lower pelvis and proximal thighs was performed. The abnormal tracer uptake was clearly localised to the deep aspect of the proximal right vastas lateralis, but not involving the femoral cortex. Uptake was irregular corresponding to the irregular calcification on the CT component as there was on the diagnostic CT scan.

Conclusion : The findings were consistent with myositis ossificans. There was a history of prior trauma in March 2010.