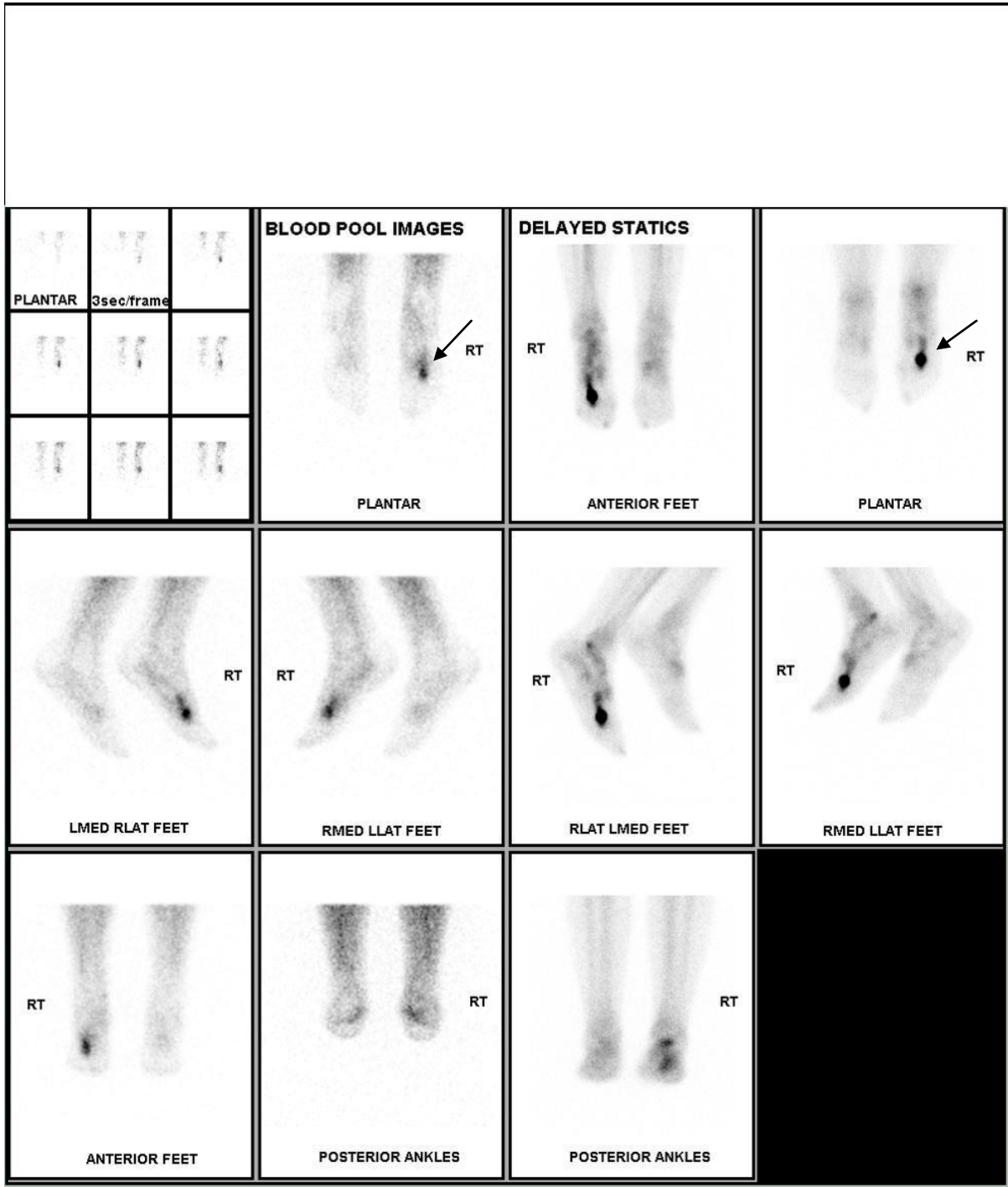
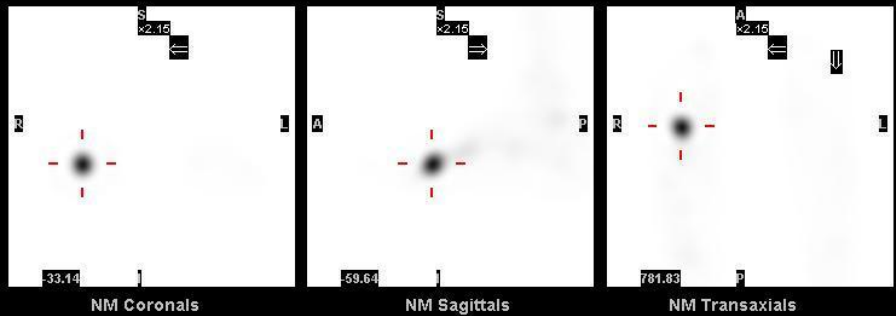
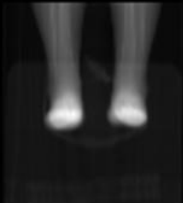
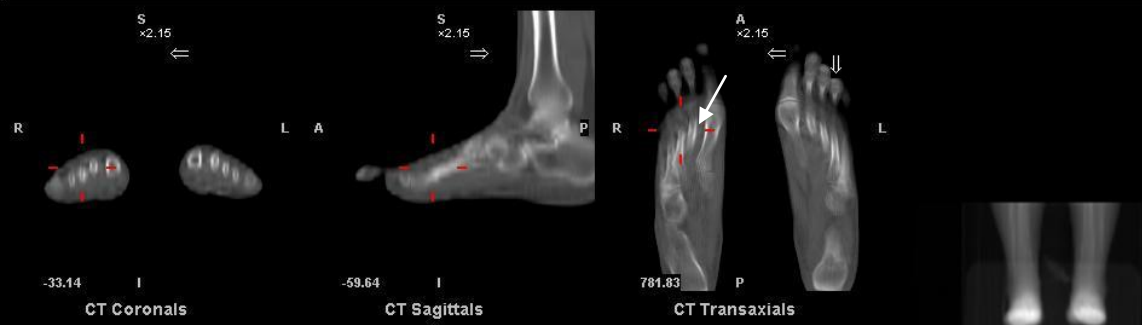
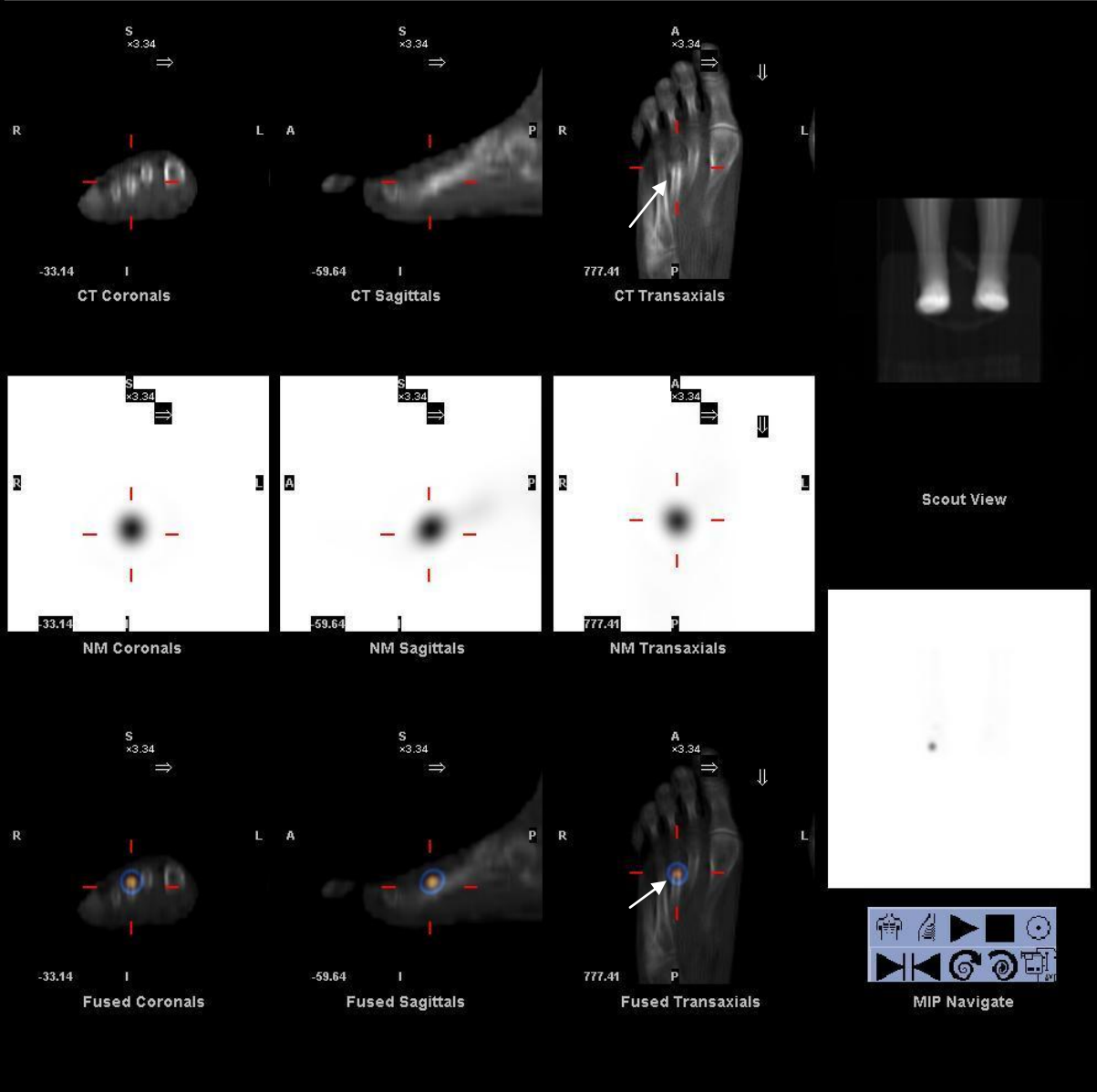


Bone Scan – Healing Stress fracture







History : 25yr old female presented for a bone scan to evaluate her right forefoot pain. She complained of ongoing pain over the right 3rd to 5th metatarsal. No abnormality was detected on recent Xray. The patient was in therapy for a longstanding eating disorder.

Findings : A flow study of the ankles and feet was performed from the plantar aspect. There was marked increased vascularity and intense hyperaemia of the distal right 3rd metatarsal. There was intense focal abnormal uptake by the neck of the 3rd metatarsal, and less intense uptake by the metatarsal shaft.

A SPECT / low dose CT scan of the feet was performed. The intense focus of abnormal uptake involving the right 3rd metatarsal, was localised to the neck. There was early callous formation (arrows). This was best seen on the transaxial slice.

Conclusion: There was a recent healing stress fracture of the neck of the right 3rd metatarsal with post-traumatic periostitis of the metatarsal shaft.