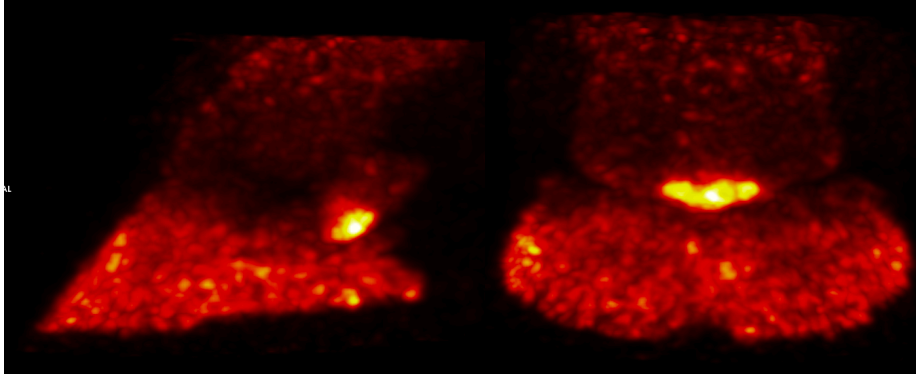
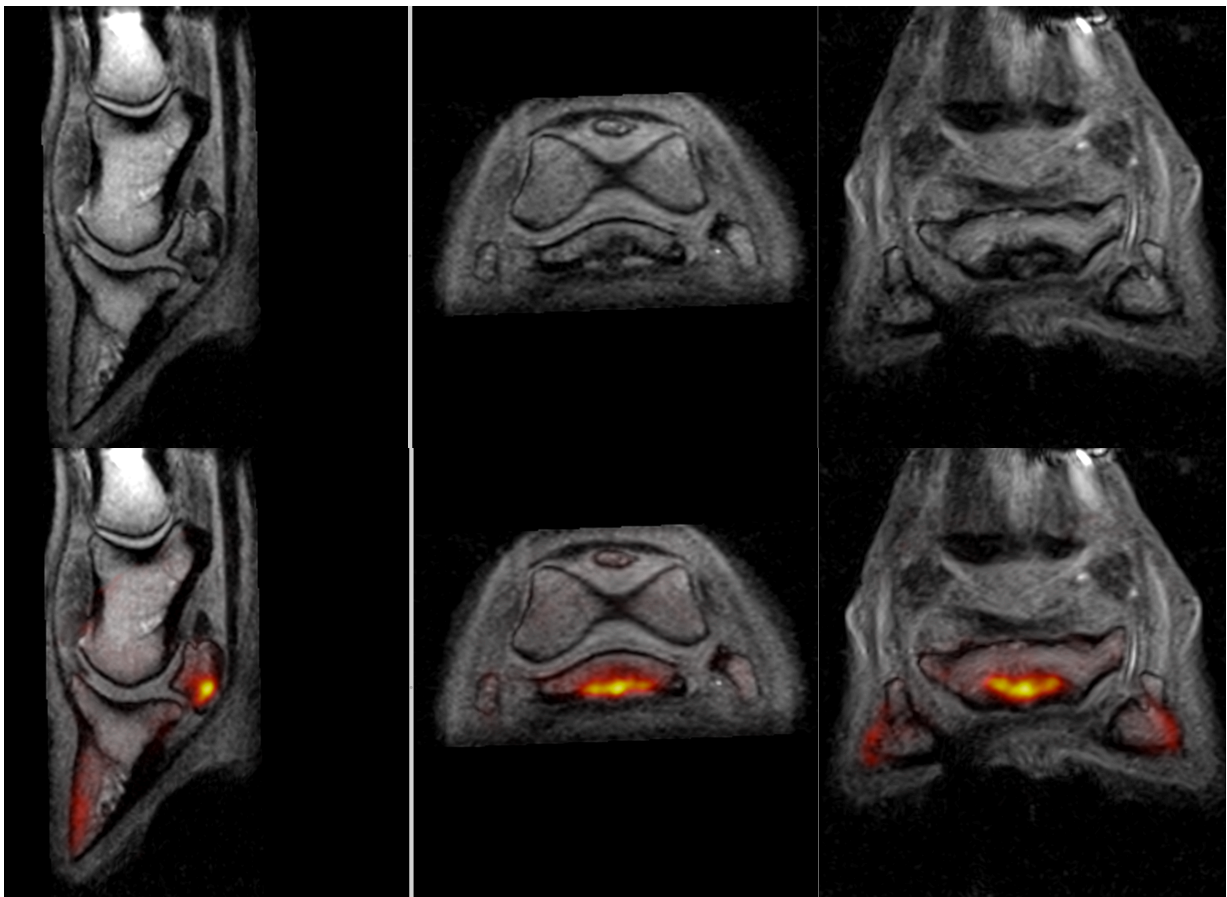


## Equine PET: Standing Foot Scan with MRI Fusion

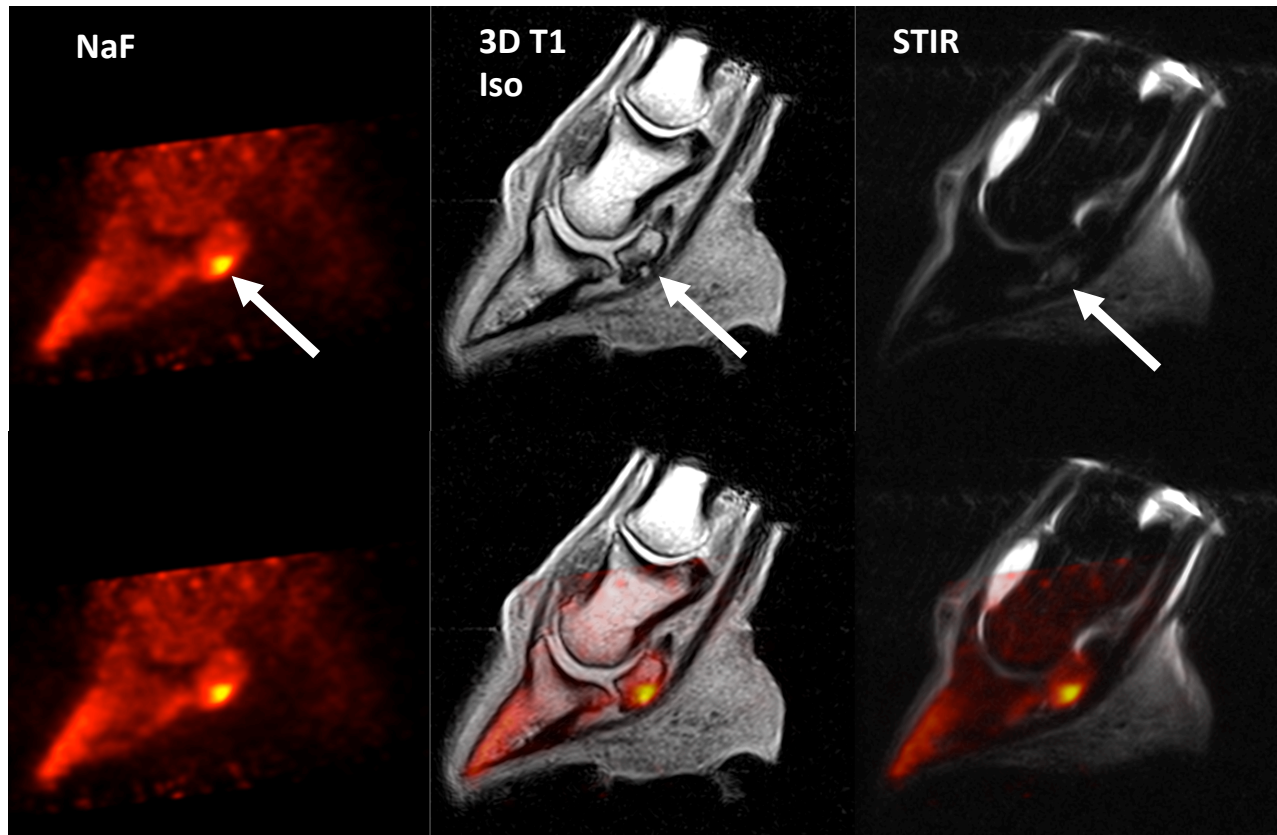
**History:** 10 year old Thoroughbred gelding with chronic left front limb lameness that resolves with a palmar digital nerve block.



**18F-NaF PET MIP LF Foot:** (*Standing acquisition, 5 min, 8 cm FOV*) There is marked focal NaF uptake at the palmar distal aspect of the navicular bone.



**T1 3D isotropic MRI and fused NaF PET/MRI MPR:** The focal navicular bone uptake is confirmed to be localized at the distal aspect of the flexor cortex, where osseous resorption is present.



**Sagittal LF Foot images:** The marked focal NaF uptake in the navicular bone corresponds to an area of osseous lysis of the distal aspect of the flexor cortex, appreciated on the sagittal 3d T1 isotropic MR images. STIR hyperintensity is present in the region of NaF uptake.

All MR images were obtained with a low-field dedicated standing equine MRI (Hallmarq Ltd.)

The fusion of PET and MRI images was performed with the Galatea software (LONGMILE).