Knee psoriatic enthesitis assessed using Positron Emission Tomography (PET)- FNa merged to ultrahigh field magnetic resonance imaging (UHF-MRI)

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Ultra High Field MRI merged to PET-FNa of the right knee of a patient suffering from enthesitis. Hypermetabolic areas can be identified in the patellar ligament, quadriceps tendon entheses, tibial plateau and the cruciate ligament insertions using the TEP-FNa modality. UHF-MRI discloses an abnormal structural bone trabeculation in the patella. The merged PET-UHF-MRI image discloses hypermetabolic signs in entheses and subchondral bone.

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UHF MRI

PET-FNa

Merged PET-UHF MRI