



Knee psoriatic enthesitis assessed using positron emission tomography (PET) – FNa merged to ultrahigh field magnetic resonance imaging (UHF-MRI)

Serge Cammilleri, Sophie Gabriel, Arnaud Le Troter, Christophe Chagnaud, Jean Pierre Mattei, David Bendahan, Sandrine Guis

► To cite this version:

Serge Cammilleri, Sophie Gabriel, Arnaud Le Troter, Christophe Chagnaud, Jean Pierre Mattei, et al.. Knee psoriatic enthesitis assessed using positron emission tomography (PET) – FNa merged to ultrahigh field magnetic resonance imaging (UHF-MRI). Joint Bone Spine, 2019, 86 (3), pp.387-388. 10.1016/j.jbspin.2019.01.002 . hal-02426092

HAL Id: hal-02426092

<https://hal.science/hal-02426092>

Submitted on 22 Oct 2021

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution - NonCommercial 4.0 International License

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

Serge Cammilleri^{1§}, Sophie Gabriel^{1§}, Arnaud Le Troter², Christophe Chagnaud^{2,3}, Jean Pierre Mattei^{2,4}, David Bendahan², Sandrine Guis^{2,4}.

§ - First co-authors

1- Department of Nuclear Medicine, Ecole Centrale de Marseille, CNRS UMR 7249, Institut Fresnel, CERIMED, AP-HM, Aix-Marseille Université, 13385, Marseille - FRANCE

2- Aix-Marseille University, CRMBM-CEMEREM, UMR CNRS 7339, 13385 Marseille -

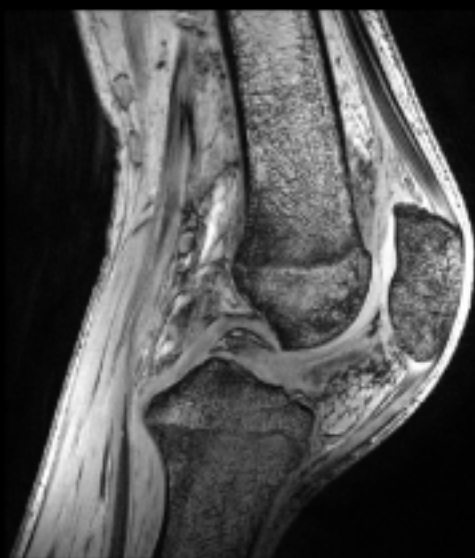
3- Department of Radiology, Conception Hospital, AP-HM, Aix-Marseille University, 13005 Marseille - FRANCE

4- Department of Rheumatology, AP-HM, Aix-Marseille University, 13274 Marseille - FRANCE

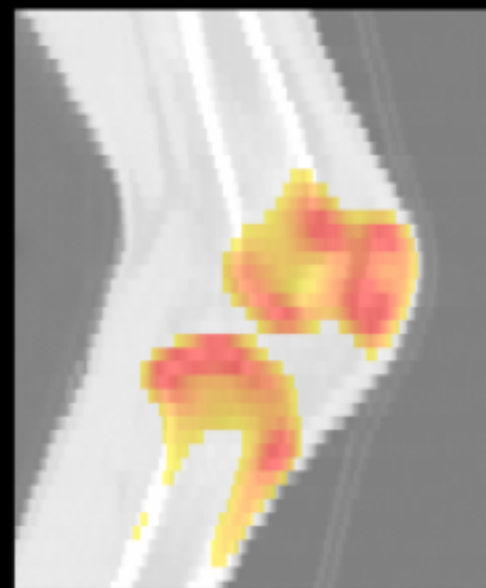
Corresponding author : Pr Sandrine Guis, Department of Rheumatology, CRMBM-CEMEREM UMR 7339, Aix Marseille Université, Marseille. 270 Bd de Sainte Marguerite BP 29 13274 Marseille - FRANCE Sandrine.guis@ap-hm.fr

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.

Acknowledgements : We would like to acknowledge Pr M. Guye, Dr M. Bernard and Pr E. Guedj for their involvement in the management of CEMEREM, CRMBM and Nuclear Medicine Department respectively



UHF MRI



PET-FNa



Merged PET-UHF MRI

