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Publications

PUBLICATIONS

- **Tension-Dependent Variability and Repeatability of Achilles Tendon UTE-T2* Mapping Using Mono- and Bi-Exponential Models.** *NMR in biomedicine*
Goyal, A., Barbieri, M., Mazzoli, V., Kogan, F.
2026; 39 (6): e70302
- **[18F]NAF PET-MRI STRESS TEST DETECTS INCREASED METABOLIC BONE RESPONSE TO WHOLE-JOINT LOADING STRESS IN PATIENTS WITH UNILATERAL KNEE PAIN**
Goyal, A., Vainberg, Y., Lee, J., Song, Y., Kogan, F.
ELSEVIER SCI LTD.2025: S275-S276
- **SYSTEMIC PATTERNS OF OSTEOARTHRITIS: FEASIBILITY OF A MULTI-JOINT SUBCHONDRAL BONE AND CLINICAL ASSESSMENT STUDY USING [18F]NAF PET-MRI**
Goyal, A., Vainberg, Y., Lee, J., Song, Y., Kogan, F.
ELSEVIER SCI LTD.2025
- **PET-MRI: the promise of multi-tissue imaging of early disease mechanisms in osteoarthritis.** *Osteoarthritis and cartilage*
Kogan, F., Watkins, L. E., Goyal, A.
2024
- **The Aging Knee: Changes in Bone Metabolic Activity Measured Using [18F]NaF PET-MR Imaging**
Goyal, A., Vainberg, Y., Kogan, F.
OXFORD UNIV PRESS.2024: 35-36
- **CLUSTERING ANALYSIS OF [18F]SODIUM FLUORIDE PET-MRI ACUTE METABOLIC BONE RESPONSE TO STAIR CLIMBING IN KNEE, FEMORAL NECK AND LUMBAR SPINE**
Barbieri, M., Goyal, A., Gatti, A. A., Pedersen, R., Haddock, B., Kogan, F.
ELSEVIER SCI LTD.2024: S360
- **Multimodal positron emission tomography (PET) imaging in non-oncologic musculoskeletal radiology.** *Skeletal radiology*
Kogan, F., Yoon, D., Teeter, M. G., Chaudhari, A. J., Hales, L., Barbieri, M., Gold, G. E., Vainberg, Y., Goyal, A., Watkins, L.
2024
- **Imaging of joint response to exercise with MRI and PET.** *Skeletal radiology*
Watkins, L. E., Goyal, A., Gatti, A. A., Kogan, F.
2023
- **Effects of dynamic [18F]NaF PET scan duration on kinetic uptake parameters in the knee.** *Frontiers in nuclear medicine (Lausanne, Switzerland)*
Watkins, L. E., Haddock, B., Goyal, A., Kogan, F.
2023; 3: 1194961