

ND-PETMRI

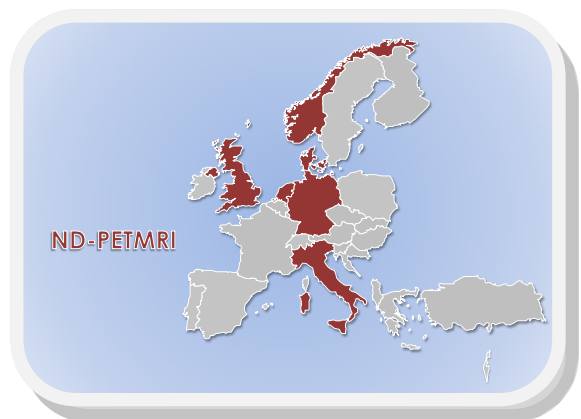
Development of a Methodological Framework for Integrated PET/MR Imaging of Neurodegeneration

Integrated PET/MR is a new imaging technology that allows for the acquisition of a multitude of functional and morphological information about the brain as the result of a single scan. As such, it is considered to be a promising tool for neurodegeneration research. However, guidelines on the proper utilization of integrated and quantitative PET/MRI are currently not available.

Our Working Group of international experts in the field plans to develop the first methodological framework for the harmonisation and alignment of integrated PET/MRI for patients with neurodegenerative diseases. In this endeavour our Working Group is supported by an Advisory Reference Group of renowned experts.

Two workshops, as well as intense in-between communication, will lead to a final framework, a repository of respective image acquisition protocols, and other documents, which will be disseminated to the neurodegeneration imaging and wider JPND communities. This framework will also harmonise and align integrated brain PET/MRI by defining data acquisition and handling standards and quality assurance protocols, with the aim of streamlining the future use of this cutting-edge technology in multi-centre European neurodegeneration research. Taken together, the proposed initiative has great potential to improve neurodegeneration imaging and neurodegeneration research in general.

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