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Box III Text of the abstract

The present disclosure relates to a method or a system thereof for assessing the state of a central nervous system (CNS) of a subject and/or differentiation between CNS states based on electrophysiological recordings of signals from recording sites located in at least two anatomical structures, wherein said recordings comprise spatial-temporal fluctuations in the recorded extracellular potentials, which are action potentials and/or local field potentials (LFPs). Also disclosed is the use of the method or system thereof for evaluating effects of treatment of a neurological and/or psychiatric condition or disease