

ABSTRACT

METHODS OF IDENTIFYING SLEEP AND WAKING PATTERNS AND USES

Traditional analysis of sleep patterns requires several channels of data. This analysis can be useful for customized analysis including assessing sleep quality, detecting pathological conditions, determining the effect of medication on sleep states and identifying biomarkers, and drug dosages or reactions. A novel analysis is presented, for the extraction and analysis of attenuated rhythms collected from the scalp of animals based on the combination of single channel analysis methods for sleep and non-invasive recordings.

FIG. 5