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# 一种基于支持向量机技术的癫痫脑电棘尖波识别方法

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支持向量机是一种基于统计学习理论的新型学习机。文章提出一种基于支持向量机的癫痫脑电特征提取与识别方法,充分发挥其泛化能力强的特点,在与神经网络方法的比较中,表现出较低的漏检率和较好的鲁棒性,有深入研究的价值和良好的应用前景。

## A Support Vector Machine Based Method of Epilepsy Spike and Sharp Waves Recognition in EEG

The support vector machine (SVM) is a new learning machine based on the statistical learning theory. An SVM based method of epilepsy feature extraction and recognition is proposed. The data analysis shows that the SVM is very robust in identification of spike and sharp waves compared with that in back-propagation neural network method.

关键词