## PDF文档

## 参考电极与视觉空间选择性注意ERP的研究

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在平均参考和无穷远点参考情况下,对左右视野空间选择性注意的ERP反应进行了研究。其中无穷远点参考是通过一种基于等效分布源理论建立的参考电极校正技术处理后得到的。结果表明,两种参考电极一致地在选择性注意中产生P1,N1的相对增强反应,但也略有差异,其中以无穷远点为参考的结果中,P1的相对增强更加明显,P2能较好地同时出现在注意与非注意两种条件下。

## EFFECTS OF REFERENCE ELECTRODE ON EVENT-RELATED POTENTIALS OF VISUAL SPATIAL SELECTIVE ATTENTION

The effects of average potential or a point at infinity used as references on the event-related potentials (ERPs) of spatial selective attention to the right and left visual fields were investigated. The result with the reference of a point at infinity was derived from a newly proposed reference electrode standardization technique (REST) based on the equivalent distributed source theory. The results of the two sorts of references both indicated that P1 and N1 relatively enhanced in selective attention, but there still had a little difference, in the case of a point at infinity reference, the enhancement of P1 was more obvious and P2 appeared in both attended and unattended cases.

## 关键词

事件相关电位(Event-related potentials);空间选择性注意(Spatial selective attention);参考电极校正技术(Reference electrode standardize technique)