

论文

氯硝西洋抗惊厥作用耐受及停药后大鼠脑内NMDA受体放射自显影观察

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摘要:

关键词: 氯硝西洋 药物耐受性 NMDA受体 放射自显影术

AUTORADIOGRAPHY OF NMDA RECEPTORS IN AMYGDALA-KINDLED RATS WITH TOLERANCE TO AND DEPENDENCE ON THE ANTICONVULSANT EFFECT OF CLONAZEPAM

JX Liao;L Wang and CH Zuo

Abstract:

Mechanisms underlying tolerance to and dependence on the anticonvulsant effect of clonazepam are not clear. Autoradiography of the NMDA receptors in amygdala kindled rats with tolerance to and dependence on the anticonvulsant effect of clonazepam was carried out. When tolerance developed, the binding of [³H] TCP (N-(1-thienyl)cyclohexylpiperidine) to NMDA receptors was found to be increased at the polymorphocellular layer of the right CA₁, and decreased at the molecular layer of the cerebellar ansiform lobule. On day 7 of the discontinuation of clonazepam, the binding did not change further. These changes may be responsible for the tolerance to and dependence on the anticonvulsant effect of clonazepam. However, the exact significance of these results should be further investigated.

Keywords: Drug-tolerance NMDA receptor Autoradiography Clonazepam

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