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摘要:

目的: 探讨中药新制剂(YN-3)对慢性应激模型大鼠海马NR2A、NR2BmRNA含量的调节作用。方法: 将32只SD雄性大鼠随机分为空白组、模型组、中药组(YN-3)、氟西汀组, 每组8只。采用放射免疫法检测海马皮质醇(CORT), 比色法测定海马内Glu含量, PCR法测定海马内NR2A、NR2BmRNA含量。结果: 与空白组相比, 模型组海马内CORT、Glu、NR2AmRNA、NR2BmRNA含量明显升高, YN-3组和氟西汀组有效抑制海马内CORT、Glu、NR2A mRNA、NR2BmRNA的过量表达。结论: 慢性应激引起大鼠海马内NR2A、NR2BmRNA含量增加, YN-3可能通过调整NR2A、NR2B mRNA含量对抗海马内神经毒性作用。

关键词: [慢性应激](#) [中药](#) [NR2AmRNA](#) [NR2BmRNA](#) [谷氨酸](#)

Effects of YN-3 on NR2A, NR2B mRNA expressions in hippocampal tissue in chronic stress model rats [Download Fulltext](#)

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Abstract:

Objective: To investigate the effects of YN-3 on changes of NR2A NR2B mRNA in hippocampal tissue in chronic stress rats. Method: Thirty-two male SD rats were evenly randomized into control, stress-model, and YN-3 group and Prozac220 group. Chronic stress model was established by using mixed stimulation. The contents of corticosterone (CORT) and Glutamic acid(Glu) in hippocampal tissue were detected with radioimmunoassay techniques and electro-chemical detection technique. NR2A, NR2BmRNA expressions in hippocampal tissue by Quantitative Real Time PCR. Result: Compared with control group, the rats' hippocampal NR2A and NR2BmRNA contents increased remarkably in model group(P<0.01). In comparison with control group, the rats' NR2A, NR2BmRNA contents lowered significantly in YN-3 group(P<0.05). Conclusion: Chronic stress may cause high level NR2A and NR2BmRNA in hippocampal, whereas YN-3 can adjust the expression of NR2A and NR2BmRNA in hippocampal tissue.

Keywords: [chronic stress](#) [traditional Chinese medicine](#) [NR2A](#) [NR2B](#) [Glutamic acid](#)

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