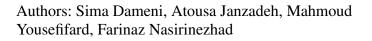
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ACCEPTED MANUSCRIPT

The Effect of Intrathecal Injection of Irisin on Pain Threshold and Expression Rate of GABAB Receptors in Peripheral Neuropathic Pain Model

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Highlights:

- The effect of different dose of Irisin on neuropathic pain is proposed.
- The mechanism indicated single intra thecal injection of irisin($1\mu g/kg$) was effective in reduction of pain.
- Chronic irisin administration ($1\mu g/kg$) for 14 days does not have an effect on pain reduction
- Chronic irisin administration ($1\mu\text{g/kg}$) does not have an effect on expression of GABA receptors

Abstract

Background and aim: Irisin is a new myokine that is secreted by myocytes during exercise, and plays a role in creating the beneficial effects of exercise on metabolism. Considering the benefits of exercise in reducing pain, this study was

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