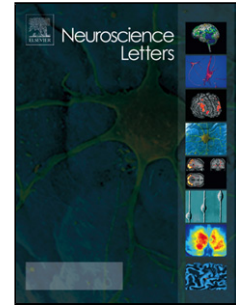


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External Focused Ultrasound Treatment for Neuropathic Pain Induced by Common Peroneal Nerve Injury

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Highlights

- The common peroneal nerve injury model was established in rats.
- Focused ultrasound increased mechanical thresholds following 1 and 2 treatments.
- Focused ultrasound did not induce histological damage or effect locomotion.

Abstract

Neuropathic pain caused by nerve injury or compressive lesions is a debilitating condition lacking effective, long-term treatments. Our objective was to assess the effects of external focused ultrasound on sensory thresholds utilizing a common peroneal injury rat model. CPNI was induced by ligating the CPN of the left hind paw. Neuropathic phenotype was confirmed using the Von Frey Fibers (VFF) with a 50% mechanical detection threshold below

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