The effect of low-sound pressure infrasound on cerebral ischemia and recharged with rat syntaxes and microtube-related proteins

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Effects of infrasound of low sound-pressure on the expressions of synapsin and microtubule associated protein-2 in cerebral ischemia-reperfusion rats

Summary Purpose: To explore the impact of low-sound pressure infrasound on the synaptic elements (SYN) and micro-tube-related protein(MAP-2) expressed by the hypocrisy of cerebral ischemia and then injected with the damage to the organization around the stove after treatment of rats. Method: The linear embolization method produces a cerebral ischemic recharge model. 18 SD rats are randomly divided into fake surgical groups, model groups, infrasound groups, and 6 in each group. The arteries in the brain of the fake operating group were not embolized and no infrasound intervention was carried out. The model group rats did not intervene in infrasound after modeling. The infrasound rat modeling succeeded 12h and continued infrasound intervention 7d, 2h per day. On the 8th day, rats were rated with the improved neurological damage scoring method (mNSS) for neurological functions, and then the heart was injected with brain, fixation, and slices for immunochemical testing SYN and MAP-2. Result: The rat neural function mNSS score ratio of the infrasound group is significantly reduced, and the cumulative optical density of SYN around the infrasound group (IOD) is significantly higher than the model group (0.01 < Stronger than A> Conclusion: One of the mechanisms by which low-sound pressure infrasound can promote cerebral ischemia and recharge rat function recovery may be to promote the expression of SYN and MAP-2 in the tissue around the stove and improve the plasticity of the neuron.

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