THE USE OF PROTECTOR MADE OF REPEREN IN MICROVASCULAR DECOMPRESSION OF TRIGEMINAL NERVE

UDC 616.833–002–009.7–089.843:576.8
Received 17.10.2013

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For the first time there was used an isolating protector made of Reperen aiming to resolve a neurovascular conflict between superior cerebellar artery and trigeminal nerve root — a leading cause of trigeminal neuralgia.

Key words: trigeminal neuralgia; microvascular decompression; Reperen.

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Trigeminal neuralgia is a chronic disease, characterized by the strongest, sudden, usually unilateral pain paroxisms, localized more often in the zones of innervation of the 2nd and 3rd branches, affecting both of them or separately. Multiple investigations and every day practice proved that the main cause of trigeminal neuralgia is neurovascular conflict between superior cerebella artery and the root of trigeminal nerve, resulting in focal demyelinization in the zone of the root and artery contact, due to which arterial pulsing, transmitted to the root, induces strong pain attacks in the zones of trigeminal nerve innervation [1, 2]. Incidence rate of neuralgia of trigeminal nerve according to the literature amounts to 4–5 cases per 10,000 population a year [3–5].

Pathogenetically grounded operation — microvascular decompression of the trigeminal root with wrapping the nerve in a synthetic protector — gives good positive results in more than 90% cases. A high efficacy of microvascular decompression in neuralgia of trigeminal nerve determines the increase in the number of the operations performed in a given pathology, which, in its turn, inspires the development of optimal implant to protect the trigeminal root.

To isolate the root of the trigeminal nerve in microvascular decompression we used the material Reperen for the first time.

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The root of the trigeminal nerve was wrapped in the implant, formed from the artificial dura mater Reperen (Fig. 3).

Immediately after recovering from anesthesia, the patient noted complete pain regression in the face. Postoperative period was uneventful. The patient did not experience the demand in taking analgetics and Finlepsin.

References


