

**MONITORING OF CEREBRAL BLOOD FLOW BY
TRANSCRANIAL DOPPLEROGRAPHY AS PRINCIPLE OF EFFICACY EVALUATION INFUSION THERAPY UNDER RECONSTRUCTIVE SURGERY ON THE BRACHIOCEPHALIC ARTERY**

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Summary. In the article the feasibility of monitoring blood flow in the brain by transcranial Doppler during operations brachiocephalic arteries to prevent and detect early brain complications of cerebral hypoperfusion and microemboli. Demonstrated that preoperative preparation of patients before elective carotid endarterectomy L-arginine hydrochloride can perform more reliably protect the brain during carotid arteries and reduces the appearance of reperfusion syndrome.

Keywords: *cerebral blood flow, cerebral stroke, transcranial Doppler, infusion therapy, L-arginine, Tivortin.*