

s 2021 0100

The invention relates to medicine and neurosurgery, in particular to methods for selective interstitial chemotherapy for the treatment of recurrent brain glioblastoma.

Summary of the method consists in that after the glioblastoma removal operation, a silicone catheter is implanted in the tumor bed, which is then connected to a mini-port, implanted subcutaneously on the anterior surface of the patient's chest, through which is introduced a chemotherapeutic agent, a culture of tumor cells is simultaneously taken to determine their sensitivity to the chemotherapeutic agent. As chemotherapeutic agent is used doxorubicin, which is introduced into the mini-port at a frequency that allows maintaining a stable therapeutic concentration of 30...31 $\mu\text{g/mL}$ in the tumor bed and a concentration of 0.7...0.8 $\mu\text{g/g}$ in the brain tissue for a long period.

Claims: 1