Abstract Title: Comparative clinical studies of the effectiveness of ozone therapy in the treatment of herpetic uveitis.

Abstract: Aim: to study the effectiveness of ozone therapy in the treatment of herpetic uveitis.

Material and Methods: 80 patients (80 eyes) were participated with herpetic uveitis in our study. 41 males and 39 females, aged between 24 to 67 (40.3±11.5) years were involved into the research. The persons, included into the main group, consist of 40 patients (40 eyes) who received combined treatment. The combined treatment included common traditional treatment in combination with ozone therapy (patients have got the therapeutic ozone in form of intravenous infusions of ozonated balanced salt-solution (BSS)). In the comparison group also were participated 40 patients (40 eyes) who received traditional treatment and pills Vobenzyme additionally. Results: the resorption of the infiltration of the choroid in the main group was completed earlier, than compared group (respectively: 19.4±0.2 and 25.1±0.3, p<0.05). The duration of treatment in main group is shorter than in the control group (respectively: 21.1±0.3 and 26.8±0.5, p<0.05). The effect was to increase visual acuity, respectively (0.72±0.08 and 0.64±0.06, p>0.05). The high therapeutic activity is observed in both groups (in main group the recovery - 90.5% and in comparison group - 70%). Accordingly the improvement in main group - 9.5% and 30% in comparison group. The deterioration or lack of effect was not observed in any case. The main group treated with ozone therapy in combination with conventional treatment, according some clinical indicator (terms of resorption of infiltration of the choroid and duration of treatment) show a high therapeutic effect in comparison with the control group which patients received conventional drug therapy and pills Vobenzyme (the results were statistically significant). It was noted that during treatment with ozone therapy side effects were not noted in any case. Unlike in the comparison group discomfort, severe bouts of bloating, pain in the epigastric region is observed, one patient had blood sugar. Conclusions: in order to achieve an optimal result of treatment of patients with herpetic uveitis, it is shown to begin a standard antitherpetic treatment simultaneously with the courses of ozone therapy.

Key words: herpetic uveitis, treatment, ozone therapy.