

OZONE THERAPY IN SUPRA-SEGMENTAL VEGETATIVE DISORDERS.

S. Kotov, A. Gustov, C. Kontorschikova.

The Medical Academy of Nizhni Novgorod, Russia.

Dropping intravenous infusions of ozonated saline (OS) were used in complex treatment of 106 patients (average age 26.5) with the syndrome of permanent-paroxysmal vegetative dystonia (mean duration of 3.6 years). The most common etiological causes were neurosis (20 %), after-effects of closed cranicerebral injuries (17 %), psychoemotional tense (16 %), hereditary-constitutional factors (14 %). Ozone therapy course included 5 procedures, administered every other day. Control group consisted of 24 patients that were on placebo treatment. 38 patients were treated with the use of double blind method. All patients were made complex dynamic examination. The results showed that dropping intravenous OS infusions increased the efficiency of complex therapy of patients with supra-segemental vegetative disorders, decreasing resistance to the performed therapy. OS vegetotropic action was found to depend on concentrations, OS with ozone concentration of 800 mg/L of ozone/oxygen mixtures has vegeto modifying properties. It should be administered in chronic post-traumatic headaches, tense headaches with signs outflow complications, dysosmia impairment, cardialgias. OS infusions with ozone concentrations of 400 mg/L of ozone/oxygen mixtures produce sympatholytic, trophotropic effect and are recommended in chronic and episodic tense headaches, panic attacks, high level of anxiety and heliometeodependence. Normalization of integral indexes of total cardiointerval variability and cardiac rhythm wave structure were regarded as efficiency criteria in ozone therapy of patients with supra-segmentary vegetative disorders. Increase of superoxide dismutase activity in blood was regarded as biochemical efficiency criterion. Not producing significant changes in the cerebral bloodflow. OS reduces the deficiency of peripheral vasoconstriction, improves vegetative activity and thermoregulation. OS lows down the tense grade in regulatory systems function and increases defence-adjustable capacities of vegetative nervous system. Steady normalization of vegetative tonus was observed in patients with prevalent sympathetic tonus and unsteady vegetative tonus when received 5 dropping OS infusions. Patients with prevalent parasympathic tonus required repeated courses of ozone therapy to maintain the stable vegetative homeostasis.