

Spironolactone, sold under the brand name Aldactone among others, is a medication that is primarily used to treat fluid build-up due to heart failure, liver scarring, or kidney disease.

It is also used in the treatment of high blood pressure, low blood potassium that does not improve with supplementation, early puberty in boys, acne and excessive hair growth in women, and as a part of feminizing hormone therapy in transgender women.

The aim of a work of Vassilyev was to evaluate the effectiveness of Sterofundin in the framework of complex therapy of hypernatremia in neurosurgical patients after removal of brain tumors. They analyzed the dynamics of the concentrations of sodium, potassium, chorus of the plasma, anion gap and buffer bases in the postoperative period of these patients. For obtaining reliable results, the patients were divided into groups according to the nature of the treatment: Sterofundin and symptomatic correction of hypotonic solution of sodium chloride, saluretic and Spironolactone respectively. In a comparison between the groups, a distinct difference in the speed of regression of hypernatremia and durability of the achieved effect was observed. In case of treatment with Sterofundin there was a significant decrease of hypernatremia by the end of the second day of the postoperative period without tendency to re-raise. The prevalence of hypotonic solutions of sodium chloride and potassium-sparing saluretics in intensive care allowed reducing the sodium concentration non-persistently to the fourth day on the background of significant fluctuations in its concentration. The use of Sterofundin in complex therapy of electrolyte disturbances, particularly of hypernatremia in neurosurgical patients after removal of brain tumors, is reflected in the form of significant regression of increased sodium concentration in plasma compared with the method of use "hypotonic" hemodilution, saluretics and potassium-sparing diuretics <sup>1)</sup>.

<sup>1)</sup>

Vassilyev D. [MODERN APPROACHES TO CORRECTION OF HYPERNATREMIA IN NEUROSURGICAL PATIENTS]. Georgian Med News. 2016 Nov;(Issue):12-16. Russian. PubMed PMID: 28009309.

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Last update: **2024/06/07 02:57**

