

## OPTIMIZATION OF ANESTHESIA IN ELDERLY PATIENTS WITH DIABETES MELLITUS DURING INGUINAL HERNIA OPERATIONS

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### ABSTRACT

*The article reflects the results of a study evaluating the effectiveness of anesthesia in elderly patients with diabetes mellitus who have been subjected to inguinal herniation. 56 patients were examined. All of them were consulted by an endocrinologist in the preoperative period, correction of blood glucose levels was carried out with short-acting insulin. Depending on the method of anesthesia used, the patients were divided into three groups. The tests were carried out in five stages. Analysis of the results showed that the anesthesia performed is the method of choice for inguinal herniation in diabetic patients.*

**KEYWORDS:** *Diabetes Mellitus, Spinal Anesthesia, Saddle Anesthesia, Inguinal Hernia, Old Age*

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### REFERENCES:

1. Timoshin AD, Yurasov AV, Shestakov AL. Surgical treatment of inguinal and postoperative hernias of the abdominal wall. Moscow, Triada-X, 2003, 142 p.
  2. Balabolkin MI, Chernyshova TE, Viter VI. Sudden cardiac death in patients with diabetes mellitus (the role of cardiac autonomic neuropathy). Moscow, 2002. 88 p.
  3. Goyibov SS, Sharipov IL, Kholbekov BK. Optimization of anesthesia during abdominal operations in patients with concomitant diabetes mellitus. Fundamental science in modern medicine, dedicated to the 90th anniversary of SamMI. 2020.186 p.
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4. Dedov II. Innovative technologies in the treatment and prevention of diabetes mellitus and its complications. *Diabetes*. 2013;(3):4-10.
5. Zayashnikov SV, Bautin AE, Yakovlev AS, Gurin MN, et al. Evaluation of the effectiveness of regional methods in anesthetic management of surgical interventions on the diabetic foot. *Regional anesthesia and treatment of acute pain*, 2017;11(2):90-97.
6. Matlubov MM, Semenikhin AA, Khamdamova EG. The choice of optimal anesthetic tactics for caesarean section in patients with obesity. *Bulletin of anesthesiology and resuscitation*, 2017;14(5).
7. Matlubov MM, Nematulloev TK, Khamdamova EG, Kim OV, Khamraev KhKh. Optimization of the anesthetic approach in coloproctological operations in patients with concomitant cardiovascular disease (Literature review). *Achievements of science and education*, 2019;53(12): 49-52
8. Nasriev SA. Changes in peripheral hemodynamics during saddle spinal anesthesia during proctological operations. *Questions of science and education*, 2018;19(7).
9. Orudzheva SA, Zvyagin AA. Features and possibilities of anesthetic management in the surgical treatment of diabetic foot syndrome. *Regional anesthesia and acute pain treatment*, 2015;9(1):14-25.
10. Semenikhin AA, Matlubov MM, Kim OV. Evaluation of the effectiveness of central (neuroaxial) blockades in patients with obesity and reduced coronary reserves during abdominal delivery. *Regional anesthesia and treatment of acute pain*, 2016;10(3).
11. Semenikhin AA, Matlubov MM, Yusupbaev RB. Two-segment spinal-epidural anesthesia in abdominal delivery with the risk of expanding the scope of surgical intervention // *Regional anesthesia and treatment of acute pain*, 2010;(2):17-41.
12. Matlubov MM, Goyibov SS. Optimization of preoperative preparation in patients with diabetes mellitus during proctological operations. 2020. *International Scientific Review*, 2020;75:66-70.
13. Broos P, Vanderschot P, Craninx L, Rommens P: The operative treatment of unstable pelvic ring fractures. *Int Surg*. 2012; 77(4): 303-308.
14. Choi WS, Samman N. Risks and benefits of deliberate hypotension in anaesthesia: a systematic review. *Int J Oral Maxillofac Surg*. 2008;37:687–703.