

**Review of the dissertation by a foreign scientific consultant  
PhD doctoral student Davanov Sherzad Kurbanalievich  
on the topic "Nutritional support of patients operated on for malignant tumors  
of the hepatopancreatoduodenal zone in the early postoperative period",  
submitted for the degree of Doctor of Philosophy (PhD) in the specialty  
6D110100 - "Medicine"**

The dissertation work of PhD doctoral student Davanov Sherzad Kurbanalievich is devoted to the assessment of the nutritional status in cancer patients before and after the operation period using modern rating scales and protocols. Timely assessment of the condition and early initiation of proper nutritional support can improve the patient's quality of life, reduce financial costs for the treatment of this category of patients and is an urgent problem for oncological specialists.

In the dissertation, the author examines the assessment of the nutritional status of cancer patients after operations carried out in the hepatopancreatoduodenal zone in connection with malignant neoplasms, through a comprehensive comparative analysis of the effectiveness of isolated enteral, isolated parenteral and mixed types of nutritional support in the early postoperative period. A comparative assessment of the nutritional status and methods of nutritional support allows to improve the results of treatment of patients with pathology of the hepatopancreatodudonal zone, to reduce the duration of their inpatient surgical treatment. In a comparative assessment of the effectiveness of nutritional support methods, the advantages of a mixed type of nutrition and its clinical effectiveness in relation to isolated enteral and parenteral nutrition were shown: a positive effect of a mixed type of nutrition on the rate of recovery of protein metabolism, the dynamics of the basal metabolic rate in the form of its decrease by the end of nutritional support and on a decrease in the timing of the restoration of the peristalsis of the gastrointestinal tract.

The main practical significance of the presented work is that the results obtained in the course of the study were introduced in the intensive care unit and intensive care unit, the surgical department of the Regional Oncological Dispensary, Karaganda in 2019, justify the possibility of using nutritional support and can serve as a guideline for further clinical research.

The material in the work is presented in compliance with the internal logic, there is a logical relationship between the sections, careful work is traced in each section, the reliability of the results obtained is confirmed by statistical analysis using modern and representative methods of statistical information processing. The topic of the work is fully disclosed, the set goal has been achieved, the tasks have been solved, the conclusions are justified and have practical significance. The work is framed using modern graphics and well illustrated.

Based on the materials of the dissertation, 8 scientific works were published, of which: 3 in scientific publications recommended by the Committee for Control in the of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan; 2 publication in an international scientific journal included in the Scopus information base. In the process of working on the dissertation, Davanov Sh.K. has

established itself as a proactive, creative researcher, a qualified specialist, capable of independently solving scientific and practical problems.

Dissertation work Davanov Sh.K. on the topic "Nutritional support of patients operated on for malignant tumors of the hepatopancreatoduodenal zone in the early postoperative period" is devoted to an important and relevant topic, is a complete scientific research with high practical significance and can be recommended for public protection.

Feedback is given for submission to the Dissertation Council.

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