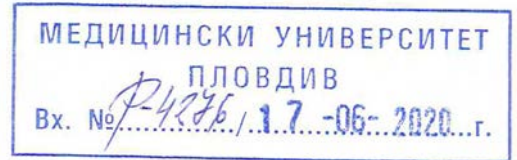


**POSITION
OF**



Professor Ph.D. Angel Petrov Uchikov

of the dissertation work of Dr. Emmanuel Mihaylov Yordanov on "Modern surgical treatment of complexes colorectal cancer", presented for the adoration of the educational and scientific degree "Doctor" in the scientific specialty: "Surgery" / cipher 03.01.37/.

Dr. Emanuil Yordanov's thesis work on "Modern surgical treatment of complexes colorectal cancer", occupies 150 pages, used 256 literary sources and is illustrated with 21 photos, 15 tables, 13 figures and 4 schemes.

The dissertation examines the methods of diagnosis. surgical treatment of colorectal cancer complications.

The topic is current due to the increasing incidence of colorectal cancer / 2nd place in Europe / and the high mortality / 2nd place in Bulgaria/, on the one hand and the discussions on operational tactics and technique.

Complications of colorectal cancer is a disease, which reaches a frequency of up to 40% of all cases of colorectal cancer and is presented as a surgical emergency, in most with a locally advanced tumor, therefore, the operative treatment is accompanied by a high incidence of postoperative complications and mortality, deteriorated prognosis, low 5-year survival and increased number of relapses. Urgent operative interventions are high risk, which are carried out at all-time intervals, the emphasis in performing oncological dissection and radical surgery is different from that of the planned operations of uncomplicated colorectal cancer. Understanding the severity of these negative findings, the dissertation summarizes the nature of the topic in 9 problems that motivate its scientific demand. This enables it to formulate correctly, the purpose and tasks by which to achieve it.

The literary review is structured logically, in detail and informative, engaging 46 pages. It presents an in-depth analysis of the most essential of epidemiology, surgical anatomy, oncological characteristics, diagnostic methods, indications and types of surgical treatment of colorectal cancer complications, through the prism of our modern times. The preoperative assessment and analysis of operational risk in individual patient groups and the analysis of risk factors is very valuable. Logically, the emphasis is placed, on the most significant section - the tactics and principles of treatment, of the individual types of complications, as well as the specifics and difference in approach in right-sided and left-sided localization of column carcinoma. The chapter on oncological principles, in the treatment of complications colorectal cancer – total mesoscopic excision, peritoneal dissection, proximal vascular ligation, is also necessary in emergency resections.

The literary overview is comprehensive and emphasizes the latest evidence-based studies and recommendations from consensus opinions and guidelines.

The purpose of the dissertation work is very well formulated. The tasks meet the target and are executable.

The subject of a study of 165 patients, with complicated colorectal cancer, operated urgently in the clinic of Thoracic-abdominal surgery / II Surgery / of St. George university hospital and MU Plovdiv for 5 years' period /2014-2018/ is representative and allows the formulation of statistically significant conclusions.

The clinical material is divided into two groups - a major of 145 patients treated at the clinic and 20 patients in critical condition treated in Quail. Adequate stratification of patients according to ASA and other clinical indicators in these two groups allows the dissertation to analyze the clinical course of the disease, specific complications and causes of lethality. The comparative analysis of the two groups thus distinguished shows and justifies the significant difference in their treatment, the development of complications and the final results.

The 13 conclusions logically present the most significant findings of the analysis of the results, in which recommendations are identified, in particular, of a practical nature. They are precisely and clearly formulated and reflect the essence of the dissertation work.

The work is written in an understandable literary medical language, reads easily, is well shaped and illustrated.

Some non-essential remarks may be made to the dissertation:

- 1. I consider it appropriate to set the purpose and tasks after the introduction and not after the literary review.*
- 2. The literary review takes too far into the section on oncological principles to be observed in planned surgery, while in immediate postoperative survival, especially in critical patients.*
- 3. In some of the conclusions there are repetitions that can be avoided if their number is reduced.*
- 4. There are, guess random spelling and grammar errors.*

These critical notes concern details and do not reduce the scientific value of the dissertation work.

The proposed scientific work of Dr. Yordanov contains strong and valuable results and has undeniable scientific contributions:

- 1. A critical overview of modern types and techniques of resections and anastomosis in emergency oncological colorectal surgery is offered.*
- 2. For the first time in Bulgaria and internationally, a comparative clinical study is done on the frequency and manifestations of complications colorectal cancer, simultaneously during the day, days of the week and seasons.*
- 3. Original algorithms are available for differentiation, registration, classification, diagnosis and behavior in the most severe complications – anastomosis and postoperative peritonitis.*

4. *The advantages of standardized emergency oncological colorectal resections and anastomosis in specific categories of patients with high risk - patients with ileus and peritonitis are highlighted.*

In conclusion, I can state that the dissertation presented to me for review on the topic: "Modern surgical treatment of complex colorectal cancer" affects a very important section of emergency surgery, and the social significance of the disease makes a significant scientific and practical contribution to the problem. Summarizing the most current and modern strategies in the approach to complex colorectal cancer, Dr. Yordanov's work demonstrates a thorough approach and significant contributions and fully corresponds to today's needs.

I believe that the dissertation work meets the necessary requirements and I strongly recommend to the honorable members of the scientific jury in surgery to vote for the award of Dr. Emanuil Yordanov the educational and scientific degree "Doctor".

.06.2020 Reviewer:

G. Plovdiv

A handwritten signature in blue ink, appearing to be 'G. Plovdiv', is written over a light blue rectangular background.