

# STATEMENT

BY

МЕДИЦИНСКИ УНИВЕРСИТЕТ

ПЛОВДИВ

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**DOC. DR. ATANAS STEFANOV YONKOV**

Member of the Academic jury appointed by Order No. P-782/27.05.2020 by the

Rector of Medial University, city of Plovdiv

**Emanuil Mihaylov Yordanov's** dissertation work with topic

***Contemporary surgical treatment of complicated colorectal carcinoma.***

Dr. Emanuil Yordanov's dissertation work is Contemporary treatment of complicated colorectal carcinoma. The work consists of 150 pages, 256 literature sources and has illustrations of 21 pictures, 15 tables, 13 figures and 4 schemes.

The dissertation focuses on the diagnostic methods, techniques and surgical treatment of complicated colorectal carcinoma.

The frequency of the colorectal carcinoma is high (2<sup>nd</sup> place in Europe) and the mortality is high (2<sup>nd</sup> place in Bulgaria).

The complicated colorectal cancer has 40% frequency in all of the cases with this disease and is often presented with a locally advanced tumor. Therefore the surgical treatment has a high frequency of post operative complications and mortality, poor prognosis, low 5 year survival rate and increased number of relapses. Urgent surgeries are of high risk and the focus of the surgical dissection and radical surgery is completely different from that of the planned surgeries in colorectal cancer. The dissertation work consists of 9 summarized problems.

The literature review is properly structured in 46 pages. It is a critical analysis of the most important features of the epidemiology, anatomy, oncology, diagnostics and types of surgical treatment of colorectal carcinoma complications. The section preoperative assessment and analysis of the colorectal cancer in the different groups and the analysis of the risk factors are very important.

The aim of the dissertation work is realistic and well structured.

165 patients were enrolled, all of them with complicated colorectal carcinoma. They underwent an urgent surgery in the Department of Chest and Abdominal Surgery in University Hospital Sveti Georgi and Medical University Plovdiv for 5 year period (2014-2018).

The clinical material is divided in two groups. Main group- 145 patients hospitalized in the clinic and 20 patients in severe and critical condition. The

applicant made an accurate and detailed analysis of the course of the disease, the specific complications and the reasons for the mortality. The comparative analysis shows the significant difference in the treatment, the course of the complications in the final results.

The Results section presents the preoperative features of the patients, types of complications and the localization of the colorectal cancer and their manifestations in the different time periods, performed surgeries, postoperative complications and the mortality. Very interesting is the analysis of the complications in terms of daytime, weekdays and seasons. There are good quality pictures to each surgery.

The applicant studies the most severe postoperative complications which are the leading reason for mortality- anastomose insufficiencies and postoperative peritonitis.

Conclusions clearly present the essence of the dissertation work.

The work was written in an understandable medical style, easy to read and well illustrated.

The dissertation work has some critical notes:

1. I think that it would be better if the aim and tasks are defined after the introduction but not in the review itself.
2. The section for the oncological principles is too extended.
3. There are repetitions in some of the conclusions which can be avoided if their number is reduced.
4. There are accidentally made grammar and spelling mistakes.

These critical notes refer to details and they do not have impact on the overall academic value of the dissertation work.

Dr. Yordanov's work has good results as well as academic contributions.

To conclude I would say that the provided dissertation work with topic Contemporary surgical treatment of complicated colorectal carcinoma concerns a very important section of the urgent surgery and the main principle of oncosurgery. The social significance of the disease gives an important academic practical contribution to the problem. Dr. Yordanov's work corresponds to the current needs and shows detailed exploration.

I believe that the dissertation work meets the necessary requirements and I recommend that the members of the jury award Dr. Yordanov the academic degree Doctor.

18.06.2020  
Sofia

Reviewer:  
signature /illegible/