TO THE CHAIRMAN
OF THE SCIENTIFIC JURY
DETERMINED BY ORDER
№ 751 / 17.03.2020
OF THE RECTOR OF
TRAKIA UNIVERSITY St. Zagora

EVALUATION REPORT

From Prof. Georgi Todorov, MD, PhD - Head of the Department of Surgery at the Faculty of Medicine, Medical University - Sofia, Head of the Clinic of Surgery "Alexander Stanishev", University Hospital "Alexandrovska" – Sofia

Subject: Competition for holding an academic position: "Associate Professor" in the scientific specialty "General Surgery", professional field 7.1. Medicine, field of education 7. Health and Sports on staff 0.5 at the Department of Surgical Diseases and Anesthesiology, MF, TrU - Stara Zagora and the entire staff at the University Hospital "Prof. Dr. Stoyan Kirkovich "- Stara Zagora, published in the State Gazette, issue 6 / 21.01.2020. In pursuance of an Order of the Rector of the Trakia University, Stara Zagora 751 of 17.03.2020 and a decision of the first meeting of the Scientific Jury (held on 02.04.2020) I have been appointed to prepare an official "report" as an external member of the Medical Faculty at the Trakia University, Stara Zagora.

For the competition I have been submitted a set of documents of: **Dr. Georgi Angelov Minkov, PhD.**

I received all the necessary documents for the preparation of the report, which is in accordance with the Law on the Development of Academic Staff in the Republic of Bulgaria and the Regulations of the Medical Faculty at the Thracian University, Stara Zagora.

Dr Georgi Angelov Minkov, PhD is the only candidate. The Commission for Acceptance of Documents has admitted Senior Assistant Dr. Georgi Angelov Minkov, PhD to participate in the competition in compliance with all legal provisions.

Professional development of the candidate

Dr. Georgi Angelov Minkov was born on July 31, 1985 in the Stara Zagora. He graduated from high school with intensive study of English and French. He completed his higher education, majoring in medicine in 2010 at the Medical Faculty at the Trakia University - Stara Zagora. In 2010 he began working as a clinical resident in the Department of Surgery to MHAT "Prof. Stoyan Kirkovich" - Stara Zagora. Since 2011 he started working in the "Second Surgical Clinic" at University Hospital - Stara Zagora, after winning a competition for full-time doctoral studie. In 2017 he acquires a specialty in "General Surgery".

Dr Georgi Minkov has conducted the following qualification courses: Conventional and intraoperative ultrasound - 2013. Varna, Pedagogical course for additional qualification - 2013, Fundamentals of laparoscopic surgery - 2017, Military Medical Academy, Ultrasound of mammary glands, National Oncological Hospital - 2018; Laparoscopic surgery of hernias of the anterior abdominal wall and hiatal hernia - 2018 ., MMA

And a number of courses abroad: 6th International Colorectal Course 'Colorectal Games' 2014, Athens Greece; Advanced Course on the Management of Colorectal Liver Metastases 2014, Bordeaux France - ESSO, Colorectal surgery hands on course - Bucharest, Romania, Hands on course of colorectal surgery - Ljubljana, Slovenia, ESSO, 2020.

Dr. Georgi Angelov Minkov, PhD is a member of:

Bulgarian Surgical Society

Bulgarian Medical Union

European Association of Surgical Oncology (ESSO)

European Pancreatic Club (EPC)

In 2017 he passed a course in "Health Management" at the Military Medical Academy, Sofia.

Science - Research activity

Dr. Georgi Angelov Minkov presents:

- Habilitation work;

- Publications in journals with impact factor and impact rank - 13 scientific papers;

- Publications and reports published in non-refereed journals with scientific review or published in edited collective volumes - 12 scientific papers;

- 18 chapters in 3 monographs;

- One chapter in a textbook on "Surgery";

In the research activity of Dr Georgi Angelov Minkov is noticed purposefulness and perseverance over the years. The obtained results are visible from the presented scientific production and have a number of scientific and practical - applied contributions.

The research interest of the candidate in the field of pancreatology is also the basis of the successfully defended dissertation in 2015. The dissertation of Dr Georgi Minkov provides an answer to a number of modern searches regarding the complex pathoimmunological processes in the course of acute pancreatitis (AP) and the definition of modern markers for prognosis, directly associated with the selection of a therapeutic approach. An original contribution of the dissertation is the proposal for an advanced score system (PPS - Predictive Pancreatic Score).

In work No. 8 of T4 of group G - the qualities of the proposed score system are confirmed in a prospective study of 82 patients with AP, where the new score shows a significant association with the severity, surgical treatment and outcome of the disease. Some of the published results in the AP study are of original character both for Bulgaria and internationally.

In paper No. 3 of T3 group G - for the first time the candidate describes a difference in the levels of T-regulatory lymphocytes and their clinical significance in patients with AP. These results are published in one of the most prestigious journals in the United States, bringing together results from around the world in the field of pancreatology.

In works No. 7, 9 of T4 of group G - pathoimmune processes are thoroughly specified in order to improve the modern therapeutic approach, as well as early markers for detection of infection-necrosis and outcome in the treatment of acute pancreatitis. Another main direction in the scientific production of the candidate is emergency surgery, which is an integral part of the daily practice of every surgeon and in particular, the topic related to the treatment of

complicated intra-abdominal infection. In the research activity of Dr Georgi Minkov the problems in patients with intra-abdominal infection are thoroughly studied, an algorithm of behavior in these patients is proposed, the criteria for relaparotomy and laparostomy are differentiated.

Works No. 7 from T4 of group B and No. 2 from T4 of group G, the candidate creates a new index for determining the indications for reoperation, which is easily applicable and effective in everyday practice.

In work No. 3 from T4 of group G, Dr. Georgi Minkov proposes therapeutic approach in patients with secondary peritonitis and superimposed fungal infection, which distinguishes a delicate group of patients with higher morbidity and mortality.

In work No. 7 of T4 of group B, the criteria in the postoperative period are considered in detail and combined the decision to relaparotomy in patients with peritonitis based on complicated colorectal cancer.

Another main direction in the scientific activity is the malignant diseases of the mammary gland. In work No. 1 of T4 of group B, a prospective analysis of the prognostic significance of the bone marrow tumor cells detected by trepanobiopsy and immunohistochemical examination with cytokeratin and their significance in determining the effect of the systemic therapy was performed.

In works N 3,5,8 of T4 of group B the candidate analyzed this socially significant disease, which passes into the confirmation of the conservative surgical approach through a detailed study of the molecular subtypes associated with tumor biology, which determine the therapeutic approach in patients with breast cancer.

In works No. 1,2,3 of T5 of group G are 3 chapters from the published monograph "BREAST CANCER" in 2014, where consistently and entirely scientifically applied are considered, as well as the main points in the biopsy and pathomorphological methods for diagnosis, as well as the main benchmarks in the prognosis of the disease.

Another line in the scientific interests of the candidate are represented in a number of works on the main topic of coloproctology. The works No. 4.6 of T4 of group B consider in detail and differentiate the application of new markers for prognosis directly related to the oncological mechanisms of metastasis and local progression of colon cancer.

Papers No. 1-12 of T5 of group G are chapters from the monograph "Rectal Cancer - Multidisciplinary Approach". This voluminous scientific work examines in detail the disease anatomy and epidemiology, all stages of modern staging, summarizes and analyzes all surgical approaches, discusses in detail systemic and radiotherapy, and discusses and enriches the approach in patients with complicated and / or metastatic disease. The monograph is a detailed look at the disease, which is entirely based on and consistent with the latest protocols and large randomized trials in the field.

The candidate has participated in the 3rd monograph - "BEHAVIOR IN COMPLICATED COLORECTAL CARCINOMA" - edited by Assoc. Prof. Dr. Hristo Stoyanov, MD, - 2014 ".

The candidate presents participation in 1 textbook of " General Surgery ", edited by Assoc. Proff Hristo Stoyanov, MD, Stara Zagora 2013.

He is a lead author at 15 and at 30 is another, subsequent author.

Impact Factor (IF): The applicant has submitted a personal reference for his total impact factor from foreign medical journals with his publications, which is 9,949.

The journals in which the author has published are as follows: Breast Cancer, Pancreas, Acta Microbiologica et Immunologica Hungarica, Infectious Diseases in Clinical Practice, Acta Chir Belg and Surgical Infection, Trakia Journal of Science, Science & Technologies.

Citation: Central University Library of TrU, Stara Zagora has given a list of 35 citations in Scopus and Web of Sciences to Dr Georgi Minkov. He presented a list of 13 more citations. He takes part in the competition with 10 citations, which is in line with the minimum national requirements.

Other research activity:

The candidate has participated in three research projects as follows:

"Determination of the effect of cytostatic treatment on EpCAM-positive tumor cells in peripheral blood and VEGF levels in patients with colon cancer" - since 2011 - with Head Assoc. Prof. Dr. Yovcho Yovchev, MD

"Evaluation of prognostic indices determining therapeutic behavior in patients with acute pancreatitis" - since 2012 - with head Assoc. Prof. Dr. Yovcho Yovchev, MD

"The role of biomarkers in diagnosis and treatment of breast cancer "- since 2017 - led by Prof. Dr. Yovcho Jovchev, MD

Contributions:

The author presents a personal report on the contributions of his scientific activity in which he has presented 27 contributions of original and confirmatory nature. Of these, I acknowledge as such with an original character numbers: 1,2,9,16,20,21 and number 23. The rest are based on literature reviews and references, and I admit them as such with a confirmatory character.

Teaching activity:

From the reference presented by the Medical Faculty of Trakia University - Stara Zagora the study workload of the candidate is as follows:

- Since 2014 Dr. Minkov is an "assistant"
- Since 2017 he is a "senior assistant" - general teaching experience is 5 years and 9 months;
- Dr. Minkov conducts a lecture course on "Surgery" for 4th year medical students;
- Conducts practical exercises for 4th year medical students;
- Conducts training in English in the discipline of Surgery;
- The candidate conducts practical training for trainee doctors in "General surgery";
- From 2017/2018 academic year is a reserve member of the commission for the state exam in "Surgical Diseases" for students majoring in "Medicine";
- Participates in conducting semester exams for students majoring in "Medicine";
- The total academic workload of the candidate is between 208 and 342 for a 5-year period

Conclusion:

In conclusion, the evidence presented by the candidate covers all quantitative and qualitative criteria and exceeds all mandatory indicators set out in the Regulations on the terms and conditions for obtaining scientific degrees and holding academic positions at the Trakia University of Stara Zagora and its annexes. That gives me full inner conviction and reason to give a positive assessment and to propose to the esteemed scientific jury to vote positively for the award net of the Academic position "Associate Professor" of Dr. Georgi Angelov Minkov, PhD.

07.05.2020 г …….

Sofia Prof. G. Todorov, MD, PhD