

TO
THE CHAIRMAN OF THE SCIENTIFIC JURY
DETERMINED BY ORDER No. 15-05-09#3/ 30.01.2024
OF THE EXECUTIVE DIRECTOR OF
"ADJIBADEM CITY CLINIC UMBAL TOKUDA" JSC - SOFIA
AND PROCUREMENT OF "ADJIBADEM CITY CLINIC UMBAL TOKUDA" EAD
SOFIA

REVIEW

By Prof. Dr. Dimitar Ivanov Bulanov, MD – a surgeon

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Regarding: competition for the academic position of "ASSOCIATE PROFESSOR" in the field of higher education 7. "Health and sport", by professional direction 7.1. "Medicine", in the scientific specialty "General Surgery", announced for the needs of the Clinic for Liver, Biliary, Pancreatic and General Surgery of "Ajibadem City Clinic UMBAL Tokuda" EAD - Sofia, approved at a meeting of the Scientific Council of the medical institution - Protocol N 49/01.11.2023 and promulgated in the State Gazette no. 98 of 24.11.2023

One candidate was allowed to participate in the competition - Ch. Assistant Professor Dimitar Delchev Rusenov, PhD, surgeon at the Clinic for Hepatobiliary, Pancreatic and General Surgery of "Ajibadem City Clinic UMBAL Tokuda" EAD - Sofia, part-time lecturer at the Department of "Surgical Diseases, Obstetrics and Gynecology" - Faculty of Medicine, Sofia University "Kliment Ohridski"

The documents presented by Dr. D. Rusenov, PhD, for participation in the competition on paper and electronic media show that the procedure for disclosure and announcement of the competition is in accordance with the Law on the Development of the Academic Staff in the Republic of Bulgaria (ZRASRB), the Regulations for the Implementation of ZRASRB, the Regulations for the implementation of ZRASRB and the Regulations for acquiring scientific

degrees and occupying academic positions in "Ajibadem City Clinic UMBAL Tokuda" EAD - Sofia.

I. Brief professional and biographical data

Dr. Dimitar Delchev Rusenov, dm was born on 11.05.1972 in the city of Plovdiv. He graduated in medicine at the Sofia University in 2000. His professional development in surgery began in 2003, when, after a competition, he was appointed as a clinical resident in the Clinic for General and Hepato-Pancreatic Surgery of UMBAL "Alexandrovska" EAD. In 2007 acquired a specialty in "General Surgery". His academic career began at the Department of General and Operative Surgery, Faculty of Medicine, Medical University - Sofia, where, after competitions, he successively held the academic positions of "assistant" (since 2006) and "senior assistant" (since 2009).

In 2010, Dr. Rusenov joined the surgical team of the Clinic for Hepatobiliary, Pancreatic and General Surgery at Tokuda Hospital - Sofia, where his surgical career continues to this day. In 2010, he was elected as a research associate II degree by the Board of Directors of the medical institution. Dr. Rusenov successfully defended his thesis on "Anatomical and atypical liver resections - results and comparative analysis" in 2020 and was awarded the educational and scientific degree "doctor" in the scientific specialty "general surgery". From 2020, after successfully completing the competition and selection, he holds the academic position of "chief assistant" in the Clinic for Hepatobiliary, Pancreatic and General Surgery of "Ajibadem City Clinic UMBAL Tokuda" EAD - Sofia.

In 2021, he acquired the educational and qualification degree "Master" with the professional qualification "Health Management".

In his development as a surgeon, Dr. Rusenov is constantly improving his professional surgical qualification by participating in various courses in the field of hepatobiliary and pancreatic surgery, laparoscopic colon and gastric surgery, ultrasound diagnostics of the gastro-intestinal tract, etc.

II. Applicant's scientometric indicators - general performance

In the current competition, Dr. Rusenov submits a total of 56 scientific papers for evaluation, including: 1 no. dissertation, 1 pc. monograph, 43 journal publications, referenced and indexed in world-renowned databases with scientific information and data on participation in 11 surgical forums (congresses and conferences).

There are 33 full-text publications in Bulgarian journals, with Dr. Rusenov as the first author in 15 (45%) of them, and in 18 (55%) as the third and subsequent author. There are 10 full-text publications in foreign journals, in all of which Dr. Rusenov is the first author, i.e. the candidate is first author on 58% of all full-text publications submitted for review. In general, original articles predominate in the works.

According to the reference provided by the Central Medical Library at the Sofia University, a total of 38 citations of Dr. Rusenov's works were found, of which 29 were cited in Bulgarian sources and 9 were cited in foreign journals (Scopus, Web of Knowledge, Google Scholar).

Dr. Rusenov meets and exceeds three times the minimum national requirements for scientific and teaching activity for holding the academic position "Docent" according to the regulated groups of indicators - a total of 1,277.58 points.

III. Research activity and contributions

Scientific research activity of Dr. D. Rusenov, dm., is aimed at various areas of surgical diseases, incl. benign and malignant pathology, which can be divided into several main areas - liver surgery, gastric surgery, colon surgery, etc.

Liver surgery (14, 15, 21, 22, 24, 26, 28, 30, 31, 36, 37, 38, 39, 40, 41, 42, 43, 44). This group of works occupies a major share in the candidate's scientific research. The anatomical features on which the segmental hepatic anatomy is built, on which the principles of liver resection surgery are based, the details of modern techniques for parenchymal dissection in vascular protection, the importance and types of clamping techniques, the importance of the area of the resection surface are analyzed from a modern point of view. , with an emphasis on the prerequisites for less intraoperative blood loss and definitive hemo- and biliostasis; the prerequisites for the occurrence of post-resection liver failure, the methods and means of improving hepatoprotection, as well as the progress in anesthesia and resuscitation care for the operated are analyzed. The accumulation of great experience in a specialized center, such as the Clinic for Hepatobiliary, Pancreatic and General Surgery, where Dr. Rusenov works, is a prerequisite for a more aggressive approach to liver lesions, including "borderline resectable cases" both primary, as well as metastatic ones. The importance of the meticulous observance of the principles of ablative and antineoplastic is emphasized, the achievement of which is the basis for an aggressive approach in the pursuit of radicalism. The risks of specific post-resection complications, some of which can lead to a fatal outcome, are also analyzed. Based on our own institutional experience, series of patients with benign diseases were studied - benign tumors (hemangioma, focal nodular hyperplasia, hepatocellular adenoma), parasitosis (hepatic echinococcus), abscesses, trauma; malignant liver tumors - primary liver malignant tumors (hepatocellular carcinoma, cholangiocarcinoma, hepatoblastoma, primary hepatic angiosarcoma); metastatic liver tumors (of colorectal and neuroendocrine origin, non-colorectal and non-neuroendocrine liver metastases). Of a contributing nature are - the described specific post-resection complications when comparing anatomical and atypical liver resections, some methods for pre-operative assessment of the possibility of performing liver resection, the analyzes of post-operative complications and the methods for their specific and non-specific prevention and treatment options.

Rare localizations of echinococcal disease (34, 38). In the monographic work "Rare localizations of echinococcal disease, rules for diagnosis, methods of treatment and prevention", an up-to-date look at an interesting surgical pathology, which in the last decade is less common, is offered. As an endemic disease in the past, the most common lung and liver

localization of echinococcosis have been studied in detail from the point of view of surgical approaches, resection (radical) methods, various options for liquidating the residual cavity, behavior in complicated forms, etc. Nevertheless, the rare localizations of echinococcosis are always an interesting topic, especially in terms of epidemiological and diagnostic problems, and are often a surgical challenge. This parasitosis should be considered in the differential diagnosis of cystic lesions in any organ or tissue. The monograph examines current issues in the diagnosis and treatment of typical and less common locations of hydatid disease with an emphasis on state-of-the-art diagnostic methods, surgical and alternative treatment methods, advantages and disadvantages of different approaches, presenting a remarkable institutional series of casuistic cases. Rare (with compression on the spinal cord) and extremely rare localizations of echinococcal disease (localization in the left ventricle) are described, which confirm as the main prerequisite for the positive outcome of the treatment namely the possibility of prioritization in the staged treatment of the different localizations and the importance of interdisciplinary collaboration in the diagnostic specification and the construction of the treatment plan.

Stomach surgery (8,9). In the presented works, the morphological prerequisites for the lymphogenic metastatic process in gastric cancer have been studied and analyzed in detail. In view of the peculiarities of the surgical treatment, the anatomical features and the importance of the lymphatic barriers and the T-category as a staging factor and mainly the importance of the volume of the lymphatic dissection as a component of the surgical treatment were considered. The importance of several important risk factors is emphasized - number of removed lymph nodes, the ratio between metastatic LV. and those free of metastases, the "stage migration" phenomenon according to the applied fat-removal histological techniques, etc. The features of the lymphnodal definition in gastric cancer according to the TNM classification and the Japanese classification are discussed. The concept of extended lip dissection is analyzed in detail. The rules for assessing the adequacy of lymphatic dissection according to the number of removed lymph nodes, as well as the determination of an individual approach to the volume of organ resection and lymphatic dissection according to the location of the tumor, the histological type according to Lauren, the histological grading, and the degree of invasion are of a contributing nature. in the stomach wall (T-category). Postoperative complications and mortality in the early postoperative period were studied, statistically reliable relationships were established between them, the components of diagnosis and surgical treatment (volume of gastric resection and volume of lymphatic dissection), as well as a number of predisposing factors for their occurrence. The categories of the Japanese Classification (1998) for lymphatic regions and compartments are introduced, which are logical, detailed, and convenient in practical terms. It is found that in extended lymphatic dissections (D2) with or without splenectomy, postoperative morbidity increases, but nevertheless, in the case of invasion of the tumor mass into adjacent organs, en bloc resection is the only applicable procedure with a potentially curative effect.

The problems of colorectal surgery are reflected in scientific works #11 and 12 in the aspect of recurrent and locally advanced colorectal carcinoma. These cases are a perennial challenge for the surgical community due to the multivisceral involvement, frequent comorbidity and

ileus conditions associated with severe malnutrition. A series of 53 successfully operated patients with local recurrence after CRC surgery and a series of 36 patients with locally advanced colon carcinoma were studied. The operative interventions performed are combined and cover more than one adjacent organ, with data on about 10-12% morbidity in the hospital postoperative period, in the absence of mortality. Planning for extended surgical resection is critical to surgical treatment. There is disagreement in the literature regarding multivisceral resections and the higher rate of complications, which is not confirmed in the patient series studied. Both observed cases and literature data prove that for both primary and recurrent tumors it is possible to achieve postoperative long-term survival.

Dr. Rusenov presents the results of his participation in other various scientific developments: in the field of acute bleeding from esophageal varices (1) – the diagnostic-therapeutic algorithm, initial therapy and monitoring, patient monitoring in inpatient conditions, indications for endoscopic and surgery; oncological pathology of the EPH (2) – a series of 1024 cases operated on due to neoplasms of the EPH are presented, and the presented results are related to the stage of the tumor process and the location of the tumor along the course of the bile ducts; in a scientific work of an overview nature (3) and an original article (4), the problem of enterocutaneous fistulas is examined in detail - the terminology of the problem, the principles of classifying ECF according to the origin, structure, localization and flow rate, the risk factors for their occurrence are presented, the clinical picture, diagnostics and possibilities of classical and "alternative" surgical treatment.

Dr. Rusenov presents evidence of active teaching activity - he teaches surgery to medical students, intern doctors and surgical interns. According to a reference from the Ministry of Finance, SU "St. Kliment Ohridski", the total academic workload of Dr. Rusenov for the period 2019-2023 is a total of 323 hours of classroom and 240 hours of non-auditory (realized with intern-doctors) employment. For the same period, a report issued by "Ajibadem City Clinic UMBAL Tokuda" EAD - Sofia shows a study load with specialists and in continuing education of a total of 932 equivalents. o'clock.

Dr. Rusenov declares that the documentation provided in the tender procedure corresponds to the objective truth. I found no plagiarism data.

The certificate of compliance of the scientometric indicators of Dr. D. Rusenov with the minimum national requirements by groups of indicators for occupying the academic position "ASSOCIST" in professional direction 7.1. Medicine shows that Dr. D. Rusenov, PhD, has a total of 1277 points, which three times exceeds the set requirements for holding the position (400 points).

Conclusion

Dr. Dimitar Rusenov, dm., is a built and qualified specialist - a surgeon in the country's leading university surgical clinic. He knows the diagnostic methods and operative techniques

for the treatment of surgical diseases in the field of abdominal surgery. He is a part-time lecturer at the Department of Surgical Diseases, Obstetrics and Gynecology - Faculty of Medicine, Sofia University "Kliment Ohridski", in the clinical base of the Clinic for Hepatobiliary, Pancreatic and General Surgery of "Ajibadem City Clinic UMBAL Tokuda" EAD - Sofia. He has successively passed through all the stages necessary for habilitation in the academic career of a teacher-clinician.

The results of his scientific research and teaching activities meet the requirements for the scientometric criteria for occupying the academic position "Associate Professor" according to ZRASRB.

Due to all of the above, I confidently give my positive vote and recommend to the honorable members of the Scientific Jury to award the academic position of "ASSOCIANT PROFESSOR" in the scientific specialty "Surge-y" to Dr. Dimitar Delchev Rusenov, MD.

Prof. Dr. Dimitar Bulanov, dm

