

REVIEW

by PROF. DR. BORIS EVG. SAKAKUSHEV MD PhD

Department "Propaedeutics of Surgical Diseases" MF MU Plovdiv

REGARDING: Procedure for occupying an academic position "Full Professor" in the scientific specialty "Thoracic Surgery", Higher Education, 7. Health Care and Sports, 7.1 Medicine, Department of "Special Surgery" of the MF - MU Plovdiv, for the teaching of the Bulgarian language, in the discipline "Thoracic Surgery", promulgated in SP no. 35 of 19.04.2024 and approved by the MF - MU Plovdiv, pr. No. 6 of 26.06.2024.

By order of the Vice Rector of MU Plovdiv No. R-2239/28.06.2024, I have been appointed as a member of the scientific jury for the above contest. The only candidate in the competition is Assoc. Prof. Dr. Ivan Novakov, MD PhD, whose documentation under the present procedure fully meets the requirements of the Legislation of Development of the Bulgarian Academic Staff and the Regulations for Academic Development of the MU Plovdiv

BIOGRAPHICAL PROFESSIONAL DATA AND SPECIALIZATIONS

Assoc. Prof. Novakov has completed two master's degrees in MU-Plovdiv in 1991. - master's degree - doctor with excellent marks and in 2013 - M.H.M. He acquired three specialties - MD in Surgery in 1998. MD in Oncology in 2001 and MD in Thoracic Surgery in 2006. He has been an academic lecturer in surgery from 1991 to the present, having successively acquired the posts of "Assistant Prof.", "Senior Assistant Prof." and "Chief Assistant Prof.". In 2008 the candidate obtained a PhD in the scientific specialty "Thoracic Surgery" and in 2010 he was elected to the academic position of "Associated Professor" in the Department of Special Surgery of the Medical University of Plovdiv. In 2014, Assoc. Professor Novakov acquired the scientific degree "Doctor of Science" in "Thoracic Surgery". On April 15, 2024,

Prof. Novakov was promoted as Head of the Department of Special Surgery at the MF - MU Plovdiv.

Assoc. Prof. Novakov's overall attestation certification rating from 2020 is very good.

The numerous qualification certificates presented by the candidate, professional and scientific organization memberships complete the career profile of Prof. Novakov as an active and successful academic surgeon.

EDUCATIONAL AND TEACHING ACTIVITY

Prof. Novakov is fluent in English - level B 2 and Spanish level A1 and since 2008 he has been teaching and examining English language training students - fourth year, Erasmus students and intern doctors. Prof. Novakov leads the lecture course for the residents in Thoracic Surgery, General Surgery and General Medicine, and CME for higher education health professionals. He participates in scientific juries for the election of different academic positions and degrees. According to the presented official chair report for the last 3 years, Prof. Novakov has a total of 484 annual teaching hours, of which 364 are classroom employment, which three times exceeds the requirements for hourly workload for clinical-operative specialties of MU-Plovdiv.

The candidate is the scientific supervisor of 4 doctoral candidates, with already defended PhD's. The topics of their dissertations studied chest trauma, pleural diseases and emergency abdominal surgery.

The professional qualification and career development of Prof. Novakov meet the requirements of the Legislation of Development of the Bulgarian Academic Staff, the Regulations for its implementation and the Regulations for occupying the academic position "full professor", adopted in the Regulations for Academic Development of the MU Plovdiv

SCIENTIFIC PRODUCTION

The scientific output of Prof. Novakov, presented for participation in this competition, includes a list of 64 publications and reports published in non-refereed journals with scientific review or in edited collective volumes, with a total number of points 1001.7.

The list of publications in scientific publications, referenced and indexed in the official pages of Scopus with an impact factor are 11 in number, according to the reference issued by the Library of MU Plovdiv.

The required list of positive citations of published works submitted by the candidate, from the Central Medical Library of Sofia University No. 904 of 16.05.2024, refers to 21 citations from Bulgarian sources, 25 from Scopus and 40 from Web of Science, which are a definite independent positive certificate of their qualities. Prof. Novakov's registration on the official Scopus website shows a Hirsch index of 3.0. and according to Web of Science - 4.0.

The dissertation work "Progression of pleural empyema, determining its surgical treatment (experimental and clinical studies)" defended in 2008 by Prof. Novakov, for the acquisition of the "PhD", has significant scientific and theoretical contributions to the pathophysiology of pleural empyema, as well as scientific - applied impact for the diagnosis and methodology of parapneumonic empyema treatment.

The dissertation work "Pulmonary contusion in closed thoracic trauma - clinical and experimental studies" defended by Assoc. Prof. Novakov in 2014 for the acquisition of the scientific degree "Doctor of Sciences" is the first clinical-experimental study in the country on pulmonary contusion in closed thoracic trauma. It summarizes the clinical characteristics, offers imaging algorithm, defines indications and methods for respiratory therapy and surgical treatment for patients with lung injury, all of which have a significant scientific and practical contribution.

Prof. Novakov is the author of two monographs with an indisputable practical orientation - "Closed chest trauma"/145 pages/ from 2019 and "Acute abdomen"/160 pages/ from 2020.

The candidate's self-assessment report for the mandatory minimum scientometric indicators of MU Plovdiv, for direction 7.1. medicine, in group from A to Z and indicators from 1 to 22 amounts to a total number of points - 6001.3.

Prof. Novakov also has experience with successful and active work on local, national and international scientific projects. He has organized two scientific conferences, with the participation of students and young doctors, the materials of which he published in a collection with scientific review and editing.

The data in the submitted by the candidate documents for research, scientific and publication activity meet and exceed the mandatory scientometric criteria under Article 119, items 1-7 of Section V of the Regulations for Academic Development of the MU Plovdiv for the occupation of the academic position "Full Professor" at the MU Plovdiv, as and the scientometric indicators under Appendix 1, for units with clinical-diagnostic activity from the same regulations, as well as from Appendix 2 of Art. 1 a, paragraph 1 of PPZRASRB.

CONTRIBUTIONS

The reference to the original 16 scientific contributions of the scientific works published by Prof. Novakov demonstrate the wide range of his scientific and professional interests, high professional qualification and his commitment to current topics, mainly concerning socially dependent and common diseases, a large part of which the general surgeon encounters on a daily basis.

The main contributions of Assoc. Prof. Novakov's research activities are concentrated in the areas of thoracic, emergency and oncology surgery, and

thematically they focus mostly in the fields of emergency thoracic surgery, pulmonary and pleural infections, their pathophysiology, diagnosis and treatment.

The experimental studies reflected in "Experimental models for the study of the pleura", for the first time in our country present a model of experimental pleural empyema, with an analysis of biochemical, cytological and pathohistological changes related to the course of empyema and the development of pleural fibrosis, and in particular the involvement of TGF- β 1 as a growth factor and the role of PAI-1 as a component of the fibrinolytic system for intrapleural fibrin accumulation. The cellular and biochemical composition of normal pleural fluid, the mechanisms of pleurodesis and the resorptive capacity of the pleura were experimentally studied. The results of these experimental analyzes are the basis for subsequent studies on the course, diagnosis and treatment of empyema of the pleura.

In his clinical studies, Prof. Novakov analyzed the role of video-assisted thoracoscopy in determining the changes in the pleural cavity during the progression of pleural parapneumonic, malignant and specific empyema and proposed an original algorithm for diagnosing and determining the stage of empyema. By ordering the methods of treatment of parapneumonic empyema according to the stage, the candidate justifies his stage-related surgical treatment.

Prof. Novakov created and published for the first time in our country a closed chest trauma model in laboratory animals, performing experimental studies on the mechanisms of closed chest trauma, lung and myocardial contusion and post-contusion lung.

The clinical studies on the types and severity and age-related mortality of patients with lung contusion and post-contusion pulmonary edema reflected in the monographic work "Closed Chest Trauma" have a contributing character.

The studies on early and late pulmonary and pleural complications of the polyandemic of COVID-19 also have original input.

Some of Prof. Novakov's scientific research and publications in the field of emergency abdominal surgery and clinical oncology are of a contributing nature.

For each of the scientific contributions mentioned above, evidentiary evidence is presented as appendices (articles, monographs, abstracts of dissertation works, textbooks and study guides, book chapters, schedule for thematic courses).

CONCLUSION

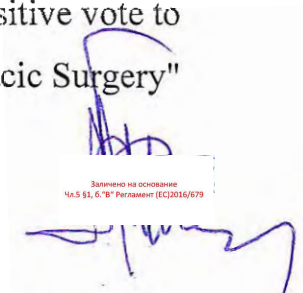
Prof. Dr. Ivan Novakov MD PhD DSc is the only participant in the contest for the academic position of "Professor" in the specialty "Thoracic Surgery", at the Department of Special Surgery of the MF - MU-Plovdiv.

The evidence presented by Associate Professor Novakov of professional, scientific and academic long-term teaching activity, as a doctor and surgeon with great experience, fulfills the requirements of the Legislation of Development of the Bulgarian Academic Staff, the Regulations for its implementation and the Regulations for occupying the academic position "Full Professor", from the Regulations for the academic development of MU-Plovdiv.

Based on the above, I propose to the Scientific Jury to vote with a positive vote to award the academic position of "Full Professor" in the specialty "Thoracic Surgery" to Associated Professor Dr. Ivan Novakov MD PhD DSc.

16. 07. 2024

Prof. Dr. Boris Sakakushev MD PhD



Задлено на основание
Чл. 51, 6, 7 "Б" Регламент (ЕО) 2016/679