



To
Until

The chairman of the scientific jury,
determined by Order №
P - 2239/28.06.2024

On your Protocol No. 1/ dated 02/07/2024

Attached I present: Review of the competition for the academic position of
"Professor" in the scientific specialty "Thoracic Surgery", announced for the needs
of MU-Plovdiv.

in OG No. 35/19.04/2024

Reviewer: **PROF ANGEL PETROV UCHIKOV, MD, PhD, DMSc**

Scientific specialty "Thoracic Surgery"

Institution: Medical University - Plovdiv

Address: City of Plovdiv, "Vasil Aprilov" boulevard

15-A; En div.bg

Phones: 0000000000

The review has been compiled in accordance with the requirements of the LDASRB (Law for the development of the academic staff in republic of Bulgaria) and Section III/Section IV of the PPLDASRB - Conditions and procedure for occupying the academic position of "professor".

STATEMENT

FROM PROF ANGEL PETROV UCHIKOV, DSc

Rector of Medical University - Plovdiv

on a competition for the academic position "Professor" in "Thoracic Surgery" in Medical University - Plovdiv

I. Analysis of the candidate's career profile.

According to the announced competition for the academic position of "professor" in "thoracic surgery" at the Medical University - Plovdiv, documents were submitted by one candidate: Associate Professor Ivan Petkov Novakov; DSc.

Assoc. prof I. Novakov has been a member of the academic staff of the Department of Special Surgery since 1995. He has gone through all levels of his academic development- assistant, chief assistant, associate professor (since 2011). Since 2014, he has held the position of "chief administrative assistant" at this department. From 2024, after being elected by the academic staff of the "Special Surgery" Department, he holds the position of "Head of the Department".

During his career development, Assoc. prof I. Novakov defended two dissertations, which allowed him to receive the scientific and educational degrees "doctor" in 2008 and "doctor of sciences" in 2014.

Assoc. prof I. Novakov is a medical specialist with three clinical specialties: "Surgery" (1998); "Oncology (2002) and "Thoracic Surgery" (2006). What is more, in 2013 he became a "Public Health and Health Management" specialist (2013).

II. General description of the submitted materials for the competition.

A set of documents and materials in accordance with the requirements of the law on the development of the academic staff in the Republic of Bulgaria and with the regulations of the Medical University - Plovdiv are presented. They are as follows:

1. A European CV of Assoc. prof I. Novakov

2. Copy of diploma for completed higher education with an attachment
3. Copy of diploma for acquired scientific degree "PhD"
4. Copy of diploma for acquired degree "Doctor of Sciences"
5. Copy of diploma for "Associate Professor".
6. Certificate of internship in the relevant specialty and reference to the academic positions held to date.
7. Academic report on the study load of Prof. I. Novakov for the last three academic years.
8. Copy of the last attestation sheet of Prof. I. Novakov.
9. Abstract of a dissertation work for degree "PhD" and abstract of a dissertation work for degree "Doctor of Sciences".
10. Two monographs published, in which Prof. I. Novakov is an independent author
11. List of publications in scientific publications, referenced and indexed in Scopus and/or Web of Science.
12. List of publications in non-refereed peer-reviewed journals or published in edited collective volumes
13. Two (2) published chapters of collective monographs.
14. List of citations and/or reviews in scientific publications referenced and indexed only in Scopus and/or Web of Science with evidence from databases.
15. List of citations in monographs and peer-reviewed collective volumes.
16. List of citations and/or reviews in non-refereed peer-reviewed journals.
17. Copies of diplomas for recognized majors.
18. Document certifying participation in a national scientific project.
19. Documents certifying participation in an international scientific project.
20. Two (2) published university textbooks .
21. Four (4) published university textbooks
22. Documents certifying training of interns, specialists and doctoral students.
23. Reference to the original scientific contributions with evidentiary material.

24. Reference-self-assessment according to a sample for the fulfillment of the specific scientometric requirements.

25. Declaration of originality and authenticity of the attached documents.

After checking the presented set of publication materials, I found that none of them were previously used for the registration of Assoc. Prof. I. Novakov in the register of "qualified persons with scientometric indicators" of the National Center for Information and Registration (NACID).

III. Evaluation of the candidate's scientific works for his overall academic development.

The presented scientific production and publication activity of the candidate Associate Professor I. Novakov includes:

1. Abstracts - two:

1.1. of a dissertation work for the educational and scientific degree "PhD" on the topic "Progression of pleural empyema, determining its surgical treatment (experimental and clinical studies)";

1.2. of a dissertation work for the educational and scientific degree "Doctor of Science" on the topic "Pulmonary injury in closed chest trauma: clinical and experimental studies"

2. Thirty-two (32) publications in scientific journals, referenced and indexed in Scopus and Web of Science, in 13 of which Associate Professor I. Novakov is the lead author, and in six of the publications he is an independent author.

3. Sixty-three (63) publications other from those referenced in Scopus and Web of Science, of which 25 were published in Bulgarian and 38 in English. In 19 of the publications, Prof. I. Novakov is an independent author, and in 12 he is the lead author.

4. Two published chapters in collective monographs, co-authored;

5. Two published monographs in which Prof. I. Novakov is an independent author:

5.1. "Acute Abdomen" - 2020, Medical University - Plovdiv, ISBN 978-619-237-068-8;

5.2. "Closed Chest Trauma" - 2019, Medical University - Plovdiv, ISBN 978-619-237-031-2;

6. Two textbooks published in English: one with group participation (Novakov I, Hadziminev V, Vazheva M. Questions&Answers in Special Surgery – 1st ed. Medical University – Plovdiv 2018) and one with independent authorship (Novakov I. Selected Lectures in Special Surgery. Medical University – Plovdiv 2017);

7. Four (4) university study guides, in which Associate Professor I. Novakov is a co-author:

7.1. Novakov I, Pascalev G. Experimental models for studying the pleura. Letters - Plovdiv 2009; ISBN: 978-954-516-892-5.

7.2. Novakov I, Paskalev G. Basic Clinical Procedures. Letters - Plovdiv 2009; ISBN: 978-954-516-844-4.

7.3. Novakov I, Paskalev G. Guide to Practical Exercises in Surgery 1st ed. Medical University - Plovdiv 2011; ISBN: 978-954-9549-47-8.

7.4. Novakov I, Paskalev G. Manual of Practical Exercises in Surgery - Second Supplemented and Revised ed. Medical University - Plovdiv 2015; ISBN: 978-619-7085-48-8.

Sixty-four of Assoc prof. I. Novakov's publications are in the field of thoracic surgery. Through them, he presents his results in the realization of his two experimental-clinical dissertations, namely the problems "pleural empyema" and "chest trauma". An experimental model of blunt chest trauma has been published, presenting macroscopic and histological lung changes, with studies on lung injury. Another part of Assoc. Prof. I. Novakov's publications are aimed at chest trauma in clinical settings, with studies on the type and severity of injuries in chest trauma. Even after acquiring the title of "associate professor", I. Novakov continues his publication activity in the field of pleural pathology. Publications on the

progression of pleural empyema (studied both in clinical and experimental conditions) are submitted to the materials for the announced competition. Another direction in the publication activity of Assoc. prof. I. Novakov is the neoplastic diseases of the pleura. He published results of the diagnosis and treatment of malignant pleural effusions. He also published his studies on the pleurodesis activity of some sclerosing pleural substances, as a possibility for influencing malignant pleural effusions. The interest in pleural pathology is also reflected in the monographic work of Prof. Novakov "Experimental models for the study of the pleura". Another problem that finds a place in the publications of Prof. Novakov are the complications of the COVID-19 infection. This shows that the author has been able to research, systematize and publish materials on an extremely current medical problem. Publications on complications of the COVID-19 infection such as: pneumothorax, pneumomediastinum, pulmonary post-covid changes, abdominal pathology as a complication of COVID-19 are presented. All these results and analyzes have been published in articles referenced and indexed in Scopus and Web of Science.

Other publications of Assoc. prof I. Novakov explore various problems in the field of emergency abdominal surgery. I. Novakov's interest in emergency abdominal surgery is also reflected in his monographic work "Acute Abdomen". The publications of Assoc. prof. I. Novakov in the three main directions - thoracic surgery, emergency abdominal surgery and clinical oncology, are the result of both his scientific interests and his activities as a clinician in the Second Clinic of Surgery of UMHAT «St. George » - Plovdiv. Not only does the publishing activity of Associate Professor I. Novakov reflect his scientific interests, but it is also closely related to his career as an academic teacher. An example of this are the two textbooks and four study guides published by him. Proof of the active teaching activity of Assoc. prof I. Novakov is the participation of medical students in his publications. From the research made, I found that in 19 of the presented publications, students were included in the author's collective. Another proof of the

scientific authority and academic activity of Assoc.prof. Novakov is his participation in the theoretical training in the specialties "Thoracic Surgery" and "Surgery", his conducting of courses for postgraduate qualification of higher medical and non-medical students personnel, as well as lectures in the "Clinical Anatomy" course.

8. Guidance of PhD students.

Material proving that Assoc. Prof. I. Novakov is the scientific supervisor of four doctoral students, all of whom completed a dissertation on the scientific specialty "Thoracic Surgery" as follows: Dr. Ivan N. Dimitrov, Dr. Nejat Ali, Dr. Dr. Petar Bonev, Dr. Velizar Hadzhiminev, has been presented.

9. Participation in project implementation.

Attached is evidential material for the studies of Prof. I. Novakov in two international scientific projects (the HOPE project and the e-Meducator project) and one national project (the OMNIA project).

IV. Evaluation of monographic works and equivalent publications submitted for participation in the competition.

In the previous section, I indicated that two monographs were presented, of which Associate Professor I. Novakov is the independent author.

In 2019, he published the monograph "Closed Chest Trauma". This scientific work has a volume of 148 pages (A4 format), with 247 literary sources cited. The author presents the mechanisms of inducing closed chest trauma, the damage that occurs with it, with possibilities for their treatment. The monograph is a suitable source for theoretical training of PhD students and interns in "Thoracic Surgery". In 2020, Associate Professor I. Novakov published the monograph "Acute Abdomen". It consists of 160 pages (A4 format) and 255 sources are cited. In the first part of this monograph, the pathophysiological mechanisms explaining

the clinical manifestation of the "acute abdomen" are presented in detail. In the second part of this scientific work, the various nosological entities and pathological conditions that appear with the picture of an acute abdomen are considered. This monographic work has a great practical benefit - it can be used as a source for the training of medical students, doctors specializing in "Surgery", as well as any doctor interested in the problem of "acute abdomen". In the section "Publications and reports published in scientific publications, referenced and indexed in world-famous databases with scientific information (only Scopus and Web of science) 32 publications are presented. Publications numbered 4.1, 4.7, 4.8, 4.9, 4.10, 4.11, 7.1, 7.5 - 7.16, 7.18 - 7.20 are on various problems in the field of thoracic surgery. The remaining publications are on issues of abdominal surgery and oncology. Publications with numbers 4.1 – 4.10 and 4.12 (eleven issues) have been published in journals with an impact factor (according to Scopus and Web of Science). On the reliability of the editions in which the articles from group of indicators C.4 were published. and D.7. original references from the Central Medical Library - Medical University of Sofia and the Library and Information Center of the Medical University of Plovdiv are presented by the applicant.

V. Reflection (citation) of the candidate's publications in national and foreign literature (publication image).

According to the competition materials, 103 citations of the scientific works of Assoc. prof. I. Novakov are presented (88 in English and 15 in Cyrillic). Citations are divided into three groups:

1. citations in scientific publications, referenced and indexed in world-famous databases with scientific information (only Scopus and Web of Science): 72 citations;

2. citations in monographs and collective volumes with scientific review - 28 citations;

3. citations or reviews in non-refereed peer-reviewed journals – 3 citations.

For the cited scientific works of Assoc. Prof. I. Novakov, with the original ones

where they are cited, original references have been provided for the competition materials from the Central Medical Library - Sofia Medical University, the library and information center of the Plovdiv Medical University and from the Internet platform "Researchgate".

According to a reference from the Internet platform "Scopus", the citation index of the scientific works of Assoc. prof. I. Novakov (h-Index) is "3", and in the "Web of Science" platform the h-Index is "4".

VI. Complex, qualitative evaluation of the teaching-methodical and teaching activity, incl. scientific guidance of students, doctoral students, specialists.

A report on the study load of Assoc. prof. I. Novakov for the last three academic years is presented. For each of them, it is more than 150%.

As indicated above, Associate Professor I. Novakov was the supervisor of four Phd students who successfully defended their dissertations.

In addition to training students, he also provides training for specialized doctors in the specialties "Surgery" and "Thoracic Surgery".

Assoc. prof I. Novakov is also the head of the student club at the "Special Surgery" Department. Through the student circle at the "Special Surgery" Department, Assoc. prof. I. Novakov has organized of two scientific forums for students and young doctors. An expression of the scientific leadership of students by Prof. I. Novakov are their joint publications and participation in national and international scientific forums.

VII. General assessment of the applicant's compliance with the mandatory conditions and mandatory quantitative criteria and scientometric indicators for assessment according to the regulation for occupying academic positions at MU-Plovdiv.

There is compliance of the candidate Associate Professor I. Novakov with the mandatory conditions and the mandatory quantitative criteria and scientometric indicators of the MU - Plovdiv for occupying the academic position "professor":

- holds the scientific and educational degree "Doctor of Sciences";
- published two independent monographs;
- thirty-two (32) publications in publications, referenced and indexed in world-famous scientific information databases Scopus and Web of science, of which eleven (11) with Impact factor.
- 72 citations in scientific publications, referenced and indexed in world-famous scientific information databases Scopus and Web of Science;
- h-Index, according to reference from the internet platform "Scopus" – 3;
- h-Index in the "Web of Science" platform h-Index - 4;
- scientific supervisor of four doctoral students;
- study load over 150%;
- last certification grade "very good";
- total number of points of the candidate 5938.6 (with a minimum requirement of 1500).

IX. Conclusion

In conclusion, I would like to point out that there is one candidate for the academic position of "**Professor**" in the scientific specialty "Thoracic Surgery", announced for the needs of MU-Plovdiv: Assoc. Prof. Ivan Petkov Novakov, MD, PHD, DMSc.

On the basis of the materials provided to me for the preparation of a review for the current competition, Associate Professor Ivan Petkov Novakov meets the mandatory specific and scientometric criteria for the academic position "Professor" in "Thoracic Surgery"

Reviewer:

Prof. Angel Uchikov, MD, PHD, DMSc

Заличено на основание
Чл.5 §1, 6, "В" Регламент (ЕС)2016/679