

## **STATEMENT**

**Assoc. Prof. Dr. Toni Dankov Avramov, M.D., Ph.D.,  
Clinic of Neurosurgery, University Hospital "Sveta Marina", Varna**

The competition is announced in the State Gazette, No. 102/23.12.2022 for the election to the academic position of "Associate Professor" in the field of Higher Education 7. „Health and Sport" of Professional Field 7. 1. Medicine and Scientific Specialty "Neurosurgery" - one 0,5 full-time position for the Training Sector "Neurosurgery", Department of "Neurosurgery and ENT Diseases", Faculty of Medicine and 0,5 full-time position for the Clinic "Neurosurgery" at the University Hospital "St. Marina" - Varna. The Scientific Jury was appointed by order No. R-109-141/23.02.2023 of the Rector of MU - Varna.

### **Brief biographical data**

Dr. Bogomil Petkov Iliev, MD was born on 11.06.1984 in Varna. In 2003 he graduated from the secondary education at the Geo Milev University of Applied Sciences in Burgas, Bulgaria. In 2010 he completed his higher education at the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna, specialty Medicine, and in 2012 his second higher education - Health Management.

Since 2011 and currently he works at the Clinic of Neurosurgery at the University Hospital "St. Marina" - Varna. Since 2014 he has been an Assistant and since 2018 a Head Assistant at the Department of Neurosurgery and ENT Diseases at the Medical University - Varna. Since 2015 he has defended his dissertation work on "Endoscope-assisted evacuation of intracerebral hematomas". In 2018 he acquired a specialty in Neurosurgery.

Dr. Iliev fulfills all the necessary criteria for participation in a competition for the academic position of "Associate Professor" set out in the regulations for academic development of the Medical University „Prof. Paraskev Stoyanov-Varna, namely:

1. Application to the Rector for admission to the competition.
2. Creative CV with the applicant's signature (word and pdf).
3. A certified true copy of the **Master's** degree with its annex.
4. A certified true copy of the degree of **PhD**.
5. A certified true copy of a document certifying that the applicant has a degree in a healthcare field.
6. Certificate of experience in the relevant specialty.
7. Certificate of teaching experience.
8. Reference for teaching workload.
9. Medical certificate.
10. Criminal record.
11. Privacy Notice.
12. A declaration of authenticity of the documents submitted, completed and signed by the applicant.
13. Academic reference issued by the MU-Varna library, including:
  - Publications and citations meeting minimum national requirements;
  - Full-text publications and citations, beyond the minimum scientometric requirements;
  - List of scientific works and citations used for the acquisition of the **PhD degree** and for the position of **Assistant Professor**
  - Application for active Google Scholar and ORCID profiles
14. Monographic/habilitation thesis (4 copies).
15. Declaration of Author's Consent.
16. Summaries of the monographic/habilitation work in Bulgarian and English.
17. Summaries of the scientific papers in Bulgarian and English.
18. Reference of original scientific contributions (word and pdf).
19. List of participation in national and international scientific events.
20. Other

**Dr. Iliev presents a list of publications, distributed as follows:**

- Habilitation thesis (monograph) with abstracts in Bulgarian and English
- Scientific publications, published in journals, refereed and indexed in world known databases with scientific information - 14 pcs.

- Scientific publications published in non-refereed peer-reviewed journals or published in edited collective volumes - 16 pcs.
- Full-text publications in scientific journals and collections, beyond the minimum science-metric requirements for the position of Associate Professor - 1 pc.
- Participation in Conferences, Symposia, Congresses in Bulgaria - 19 pcs.
- Participation in Conferences, Symposia, Congresses abroad-35 pcs.

The monographic work of Dr. Bogomil Iliev, MD, "**Contemporary Concepts and Operative Trends in Chronic Subdural Hematoma**" is devoted to a topical issue concerning an important and significant operative pathology in the clinical practice of neurosurgeons. The historical background, conditions and operative methods in the treatment of intracranial hematoma are discussed in detail. The epidemiology, incidence, etiopathogenesis, and pathophysiology of chronic subdural hematoma are presented in detail. The conditions and the underlying cause of the evolution of non-traumatic asymptomatic subdural effusions and their development into chronic subdural hematomas (cSDH) are described: bleeding from the hygroma wall due to neocapillary formation, vascular hyperpermeability, increased fibrinolysis, the presence of inflammatory cytokines and an increase in the protein content of the hygroma, the current beliefs about the role of neovascularization (angiogenesis) as a likely source of bleeding from hematoma membranes. Attention is paid to the modern diagnosis of chronic cSDH and the follow-up of the image over time. The clinical picture and clinical progression of the patients in the pre- and postoperative period, their preparation for surgical treatment, and monitored anesthesia are presented. Surgical treatment was performed in 149 patients with chronic cSDH, operated in the Clinic of Neurosurgery of St. Marina University Hospital. Varna, over a 10-year period (2011-2021). The main operative techniques and modified approaches for evacuation of chronic hematomas are described. The advantages and disadvantages of the classical traditional craniotomy (mini-craniotomy), Burr - hole craniotomy, Twist - drill craniotomy, types of drainage, postoperative complications are discussed and a meta-analysis of data from the literature is performed. In the last chapter, postoperative care, early rehabilitation of patients and prophylactic measures related to thromboprophylaxis and resumption of anticoagulant and antiplatelet therapy are presented. The author has been involved in the diagnosis and surgical treatment of most of the patients in the series presented and has applied

neuroendoscope-assisted evacuation of chronic subdural hematomas as a routine methodology.

**Nine main contributions of Dr. Iliev's scientific activity can be identified:**

1. Involvement in the development of an original modification of a neuroendoscope-assisted evacuation system for ICH (intracerebral hematomas).
2. The main involvement in the definition are precise indications for performing neuroendoscope-assisted evacuation of ICH in the Neurosurgery Clinic of St. Marina", Varna.
3. Participation in the study of the effectiveness of neuronavigation (frameless stereotaxy) in neuroendoscope-assisted evacuation of ICH.
4. Major participation in the introduction of the routine use of neuroendoscope in surgical treatment of ICH at the Clinic of Neurosurgery of the University Hospital "St. Marina, Varna.
5. Major participation in the introduction of the routine use of neuroendoscope in the surgical treatment of chronic subdural hematomas at the Clinic of Neurosurgery of the University Hospital "St. Marina, Varna.
6. Main participation in the definition of indications for neuroendoscope-assisted evacuation of chronic subdural hematomas in the Clinic of Neurosurgery of St. Marina, Varna.
7. The monographic work summarizes for the first time the current concepts and operative trends in chronic subdural hematoma in accordance with the world literature.
8. On the basis of the data from the monographic work, a PhD was awarded with the title: Endoscope-assisted evacuation of chronic subdural hematomas.

9. Major participation in the introduction of the routine use of intraoperative ultrasound for the assessment of the degree of decompression in patients with lumbar stenosis in the Department of Neurosurgery of St. Marina, Varna.

The actual scientific publications of Dr. Bogomil Iliev submitted for the competition are 31. His teaching load meets the norm. The candidate has 89 citations and has an h-index of 3 and an *i10-index* of 1, according to Google Scholar. He is participant in scientific forums with **54 scientific papers** in 19 scientific conferences in Bulgaria and 35 in international scientific conferences and member of the Bulgarian Society of Neurosurgery. Dr. Bogomil Iliev is member of AO Spine Group too. Fluent in English.

### CONCLUSIONS:

The academic activity of Dr. Bogomil Iliev, M.D., Ph.D., is sufficient and meets the requirements for the acquisition of the academic position "Associate Professor" defined by the Regulations for the Development of the Academic Staff in Republic Bulgaria and at the Medical University "Prof. Dr. P. Stoyanov" - Varna.

In that regard I consider that Dr. Bogomil Petkov Iliev, M.D., Ph.D., meets the academic and scientific criteria for holding the academic position of Associate Professor in the field of Higher Education 7. „Health and Sport" of Professional Field 7. 1. Medicine and Scientific Specialty "Neurosurgery" at the Medical University – Varna, that is why with conviction I give my positive evaluation and propose to the honoured members of the Scientific Jury to give their positive vote as well.

May,4<sup>th</sup> 2023  
Varna

Assoc. Prof. Dr. Toni Avramov, M.D., Ph.D.,



