

**OPINION**  
**FROM ASSOC. PROF. KALOYAN MIHAYLOV DAVIDOV, MD, PhD**  
**HEAD OF THE DEPARTMENT OF UROLOGY**  
**“ACIBADEM CITY CLINIC UMHAT TOKUDA” EAD**

**Subject: Announced a competition for the academic position of "Professor" in the field of Higher Education 7. Health and Sports, Professional field 7.1. Medicine and Scientific specialty "Orthopedics and Traumatology" for the needs of the Clinic of Orthopedics and Traumatology, announced in SG, issue 33 of 20.04.2021**

**Candidate: Assoc. Prof. Vasil Tsankov Yablanski, MD, PhD.**

In accordance with Order №318 of 23.06.2021 of the Executive Director and the Procurator of Acibadem City Clinic UMHAT Tokuda EAD - Sofia, I have been appointed a member of the Scientific Jury in the procedure for holding the academic position "Professor" in the field of Higher Education 7. Health and Sports, Professional field 7.1. Medicine and Scientific specialty "Orthopedics and Traumatology" for the needs of the Clinic of Orthopedics and Traumatology - competition, announced in SG, issue 33 of 20.04.2021.

At the first absentee meeting of the Scientific Jury I was appointed to prepare an opinion.

For participation in the competition, documents have been submitted by one candidate - Assoc.Prof. Dr. Vasil Tsankov Yablanski, PhD. The requirements and deadlines for submitting the set of documents have been met.

All the necessary documents for the preparation of the opinion have been provided to me on electronic media. The documentation is comprehensive and complies with the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria, the Regulations for its implementation and the Regulations for the Development of the Academic Staff of Acibadem City Clinic Tokuda Hospital.

For the needs of the present procedure Assoc. Prof. Dr. Vasil Yablanski, PhD has provided a list of its publications, participation with reports at scientific forums, reference for scientific and teaching activities, author's reference for scientific contributions, all necessary diplomas and certificates, etc.

#### **I. PRESENTATION OF THE CANDIDATE**

Assoc. Prof. Yablanski graduated in medicine at the Medical Faculty, Thracian University - Stara Zagora in 1996. He has a degree in Orthopedics and Traumatology (2001). He holds the following positions: doctor at the Clinic of Orthopedics and Traumatology, University Hospital Stara Zagora (2001 - 2004), doctor at the Clinic of Orthopedics and Traumatology at the University Hospital "Queen Joanna" Sofia. From 2006 to 2016 he was Head of the Department of Orthopedics and Traumatology at Tokuda HospitalQ Sofia. From 2016 to the present he is the head of the Clinic of Orthopedics and Traumatology at Acibadem City Clinic UMBAL Tokuda EAD - Sofia.

He was awarded the ONS "PhD" by MU - Sofia - in 2014. The topic of the dissertation is "The possibilities of arthroscopy of the hip joint for diagnosis and determination of the stages of osteonecrosis of the femoral head"

He has completed two master's degrees: in "Health Management", SWU - Blagoevgrad and in Public Health - Hibr University, Israel.

He has certificates for endoprosthesis and arthroscopy, as well as a number of courses and specializations in leading world centers.

Since 2016, after a competition, he has held the academic position of "Associate Professor" at Acibadem City Clinic Tokuda Hospital.

## II. CHARACTERISTICS AND EVALUATION OF SCIENTIFIC PAPERS

The total number of scientific papers is 62, of which 23 are in scientific journals in Bulgaria and 18 - in international scientific journals. 8 of the publications abroad are in magazines with impact factor. Participations in scientific forums are 17, of which 7 are in international forums.

Of the presented total number of publications, 23 are after acquiring the academic position of "Associate Professor", including one independent monography, two chapters in textbooks and monographs, 14 real publications in scientific journals (4 of them in international journals, 2 of them with impact factor) and 6 participations in scientific forums (4 of which are international). The scientific papers are distributed as follows:

| Types of scientific works            | In Bulgaria | International | Total     |
|--------------------------------------|-------------|---------------|-----------|
| Dissertation                         | 1           |               | 1         |
| Monograph                            | 1           |               | 1         |
| Chapters in textbooks and monographs | 2           |               | 2         |
| Scientific publications              | 23          | 18 (8 c IF)   | 41        |
| Participation in scientific forums   | 10          | 7             | 17        |
| <b>Total:</b>                        | <b>37</b>   | <b>25</b>     | <b>62</b> |

In 18% of the publications Assoc. Prof. Jablanski is an independent author, the first author is in 37% of the publications, and as a second author he is presented in 45% of the publications.

The total number of citations is 72, 28 in Bulgaria and 44 abroad.

The impact factor is 13,797.

The attached report on the implementation of the minimum required points by groups of indicators for the academic position "Professor" shows that Assoc. Prof. Jablanski exceeds the minimum requirements.

## III. MAIN SCIENTIFIC CONTRIBUTIONS AND TEACHING HOURS

The contributions in the scientific works of Assoc. Prof. Jablanski, reflected in the author's reference are in the field of orthopedics and traumatology and are in the following areas:

- Introduction and development of the surgical technique of arthroscopy in the area of the hip joint - a number of clinical conditions are indicated, in which this technique can help for precise diagnosis and treatment, its possibilities, as well as the low risk for patients.
- Precise determination of the stage of the disease in patients with osteonecrosis of the femoral head, as a fundamental factor for the success in the choice of organ-preserving techniques. The occurring intra-articular changes in the different stages of the disease have been established. Three of the most widely used classification systems in practice have been tested for their ability to detect intra-articular changes and for the stability of their results.
- Creation of an author's algorithm for selection of surgical technique in organ-preserving operations of patients with osteonecrosis of the femoral head, which gives recommendations

for selection of specific, organ-preserving techniques in different stages, based on a classification system proposed by the author.

- Improving the surgical technique in the treatment of patients with spinal deformities in childhood. The most modern technique for surgical treatment of children with spinal deformities has been introduced, which is used in the daily practice of the clinic.
- Surgical treatment of scoliosis in childhood in children with rare diseases and high-risk interventions. The treatment of children with spinal deformities and rare diseases is a routine practice in the work of the clinic. The clinic is the only center for treatment of such patients in Bulgaria.
- Introduction of intraoperative neuromonitoring in surgical treatment of scoliosis in childhood is introduced and used routinely in surgical treatment of children with spinal deformities.
- In-depth study and analysis of possible causes of idiopathic scoliosis in children with advanced deformities. Dependences of polymorphic genes and their impact on the risk of occurrence and development of scoliosis among Bulgarian patients have been studied. The results are presented and published in some of the leading scientific journals in the world and contribute to the clarification of the problem.
- Analysis of the influence of correction of spinal deformities on the function of other organs and systems. Mandatory pre- and postoperative FEB in children with severe scoliosis has been introduced to assess the impact of surgical correction of the spine on the respiratory function of the child.
- Introduction and validation in practice of new techniques in the treatment of early scoliosis such as magnetically controlled growing rods and other methods for achieving growth modulation in children with early scoliosis.
- Development of the treatment of idiopathic scoliosis with the methods of kinesitherapy and their combination with dynamic implants, allowing active distraction with exercises.
- Use of innovative approaches in surgical treatment of complex spinal deformities in childhood. Introduction of printing of an individual three-dimensional model of the spine in children with complex deformities as a modern tool for improving the quality and reducing the risks of surgical treatment.

The study load is related to the training of medical students at the Thracian University, Faculty of Medicine - 90 hours for three academic years, in the Medical Faculty of Sofia University "St. Kliment Ohridski" - 18 lecture hours. 1856 eq. hours of training of specialists in orthopedics and traumatology for the period 2016-2021

#### **IV. CONCLUSION**

The scientific production of Assoc. Prof. Dr. Vasil Yablanski, PhD, is sufficient in volume and is characterized by depth and innovation. There are significant scientific and applied contributions, reflected in renowned publications and international forums. All submitted documents and facts fully meet the requirements of ZRASRB and other bylaws.

In this regard, I give my positive assessment and suggest that the esteemed members of the Scientific Jury also vote positively for the appointment of Assoc. Prof. Dr. Vasil Tsankov Yablanski, PhD, to the academic position of "Professor" in the field of Higher Education 7. Healthcare and sports, Professional field 7.1. Medicine and the scientific specialty "Orthopedics and Traumatology" for the needs of the Clinic of Orthopedics and Traumatology of Acibadem City Clinic UMBAL Tokuda EAD - Sofia.

17.08.2021

Prepared the opinion:  
**ASSOC. PROF. KALOYAN DAVIDOV, MD, PhD**