

## **OPINION**

by

**Assoc. Prof. Dr. Ilko Bakardzhiev, MD**  
**Manager of "Medical cosmetician" major**  
**Medical college – Varna**

**Subject:** Competition for holding the academic position of „Associate Professor“ in the field of higher education 7. Health and sports, professional field 7.1. Medicine, scientifically specializing in „*Obstetrics and Gynecology*“ - one for the needs of the Medical University - Varna, Faculty of Medicine, Department of Obstetrics and Gynecology and Maternity ward at the Multipurpose hospital for active treatment “St. Anna – Varna“ AD, Varna, announced in SG, issue 62 of 06.08.2019

At a meeting of the Faculty Council of the Faculty of Medicine at the Medical University of Varna, held on 07.10.19 (Minutes No. 10), and with an Order of the Rector No. P-109-317/07.10.2019, I was appointed a member of the Scientific Jury. By Minutes No. 1 of the meeting of the Scientific Jury of 21.10.19, I have been appointed to deliver an opinion on the competition for the academic position of „Associate Professor“. The presented set of documents is in accordance with the requirements of the Law for the development of the academic staff in the Republic of Bulgaria, the Regulations for its implementation and the Regulations for the development of the academic staff at the Medical University - Varna. Only one candidate has applied to participate in the competition – Ch. Assistant Dr. Nikolay Dimitrov Kolev, MD

### **Curriculum Vitae and Professional Development:**

Ch. Assistant Dr. Nikolay Dimitrov Kolev, MD was born on 19.06.1968 in Varna. In 1986 he graduated from the IV Secondary foreign language school "Fr. Joliot Curie", Varna, and his medical education he completed in 1994 at the Medical University - Varna, Diploma series A 93 No. 005058, Reg. No. 5793/1994. Since 2002 he has been a specialist in Obstetrics and Gynecology, Certificate Series MYB-2002 № 0153, Reg. № 006944 from 15.03.2002, and since then he has been working at the MPHAT "St. Anna – Varna“ AD, Maternity ward, until present. In 2014 he acquired a Doctor's degree in Obstetrics and Gynecology; Diploma No. 074/19.12.2014 from the Medical University – Varna. Since 2014, he has been a part-time lecturer in the Department of Obstetrics and Gynecology, MU-Varna and has consistently passed

through the academic positions of assistant (2017) and Chief assistant (2018). He has been a member of the Bulgarian Medical Association (BLA) and the Bulgarian obstetrics and gynecology society.

**Additional qualifications:**

**1996** – Completed course for „Elementary military medical preparation“. Military medical academy - Sofia;

**2002** – Training in „Colposcopy in OG“, under the supervision of Prof. Dr. I. Karagyozev. Medical university – Sofia;

**2003** – Training in „Ultrasound diagnostics in OG“. Medical university - Varna;

**2005** – Training course about 3D ultrasound diagnostics and qualified to operate with CHISON 8800 crystal 3D ultrasonic scanner;

**2010** – Qualification on topic: „Modern trends in contemporary gynecology“. BMA, BSOBGYN;

**2010** – Qualification on topic: „Modern aspects in obstetrics and gynecology“. BMA, BSOBGYN;

**2012** – Qualification on topic: „Modern prenatal diagnostics – risk pregnancy“. BMA, BSOBGYN;

**2013** – Qualification on topic: „Preterm birth, premature fetus“. BMA, BSOBGYN;

**2016** – Medical training on topic: „Maternal – fetal medicine“. BMA, „Maternal – fetal medicine“ association;

**2017** – Training in „Ultrasound diagnostics in obstetrics and gynecology practice“. Medical university - Varna;

**Scientific research activity:**

In this competition, Ch. assistant. Dr. Nikolay Kolev, MD, participates in 33 scientific works. Out of them, 29 participate as evidence in the report on the fulfillment of the minimum requirements for holding the „Associate professor“ academic position as per the Law on the development of the academic staff in the Republic of Bulgaria from 2018. There are also 4 publications submitted, beyond the evidence material for fulfilling the minimum requirements for holding the „Associate professor“ academic position. The distribution of scientific works is as follows: monographs: 1 pc. with a total volume of 114 pages; full-text articles: 29 with a total volume of 130 pages, of which in scientific publications, referenced and indexed in world-famous databases with scientific information: 11 pcs; in non-referenced Bulgarian scientific peer-reviewed journals: 18 pcs, published abstracts: 2, of which 1 with IF. The scientific works presented and the results of the research work have been thematically distinguished in the following scientific fields: preterm birth, alternative methods of treatment, pregnancy and dental



treatment and varia. All these aspects have been considered through the prism of modern medicine and are embedded in the author's educational and teaching activity. Of particular interest are the candidate's studies related to premature birth, to which his dissertation is devoted. Despite the efforts of scientific and practical obstetrics, the incidence of preterm births has not decreased over the last decade. The scientific research activity of Dr. Nikolay Kolev reflects the versatility of his scientific interests, originality and tendency to introduce new opportunities, dictated by the modern achievements in the field of obstetrics and gynecology. I accept the attached academic transcript for the contributions of the applicant, with the following original and scientific applied **contributions** being able to be stated as a priority:

1. For the first time in Bulgaria a prospective study was conducted to determine the phosphorylated form of insulin-like growth factor (pIGFBP-1) in cervical secretion as a specific indicator of preterm birth.
2. A prospective study was conducted for the first time in Bulgaria, involving the simultaneous identification of 2 biochemical markers (fFN and pIGFBP-1) in the term of 24-34 g.w. as a specific indicator of preterm birth.
3. For the first time in Bulgaria, a diagnostic algorithm has been developed to predict preterm birth, including two biochemical markers (fFN and pIGFBP-1) and one biophysical marker (cervical length).
4. The described algorithm has been introduced and applied in the Maternity ward of the Multipurpose hospital for active treatment "St. Anna – Varna" AD in patients with increased risk of preterm birth.
5. A detailed, systematic and chronological critical review of the methods of dental treatment in pregnant women has been made.
6. The most common complications during pregnancy in the process of dental treatment have been presented.
7. The changes that occur most frequently in the body of a pregnant woman in terms of dental health have been described.
8. The role of early prophylaxis of dental health during pregnancy has been confirmed.

Studies have been conducted in the field of diseases of the female reproductive system, pregnancy and concomitant systemic diseases, manifestations of depression and anxiety during pregnancy.

**Scientific-teaching activity:**

From the submitted academic transcript the applicant's workload is 836 hours – 388 hours for 2017-2018, 448 hours for 2018-2019 on the Obstetrics and Gynecology scientific specialty – lectures and exercises for students of IV and V year on the "Medicine" specialty, Medical University – Varna. During the period 2014-2017 he was a part-time lecturer at the Department of Obstetrics and Gynecology at the Medical University – Varna.

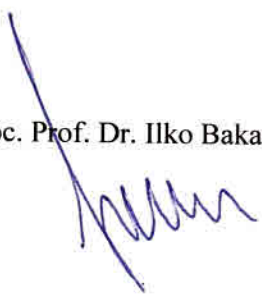
**Medical-diagnostic activity:**

Ch. Assistant Dr. Nikolay Kolev is an active practitioner, an expertly trained obstetrician-gynecologist, with professional experience and years worked on the specialty, who has enjoyed a positive evaluation by his patients and colleagues.

**Conclusion:**

The candidate for the academic position "Associate Professor" is an established, respected and well-trained specialist with many years of professional experience, teaching skills and experience in the specialty. He's held high quality scientific production, covering the required minimum quantitative and scientific criteria for holding the academic position of Assoc. Prof. For the stated reasons, I am hereby giving my **positive** voting and suggesting that the venerable scientific jury vote with "YES" for the awarding of the academic position "Associate Professor" in the scientific specialty "Obstetrics and Gynecology", to Ch. Assistant Dr. Nikolay Kolev, MD, for the needs of the Medical University - Varna, Faculty of Medicine, Department of Obstetrics and Gynecology and Maternity ward at the Multipurpose hospital for active treatment "St. Anna-Varna" AD, Varna.

Assoc. Prof. Dr. Ilko Bakardzhiev, MD



05.11.2019

City of Varna