

# **OPINION**

by

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## **CONCERNING**

**Competition for the position of Associate Professor, promulgated in SG issue 62/06.08.2019 of Dr. Nikolay Dimitrov Kolev, for holding the Associate Professor academic position, scientific major “Obstetrics and gynecology”, OG department at MU – Varna**

### **BRIEF BIOGRAPHICAL DATA**

Dr. Nikolay Dimitrov Kolev graduated from the IV Language School in Varna and completed his medical education at the Medical University – Varna. He acquired a specialty in Obstetrics and Gynecology in 2002. he participated in 2 ultrasound diagnostics courses (Maichin dom SHATOG in 2003 and 2004). He also completed a colposcopy course with Prof. Dr. Ilko Karagyozov (2002). He has acquired a Medical doctor's degree in 2014. Currently, he works at the Maternity ward of the MPHAT “St. Anna ”, Varna.

### **STRUCTURING THE MONOGRAPH WORK**

The monograph presented has been very well structured.

Contents:

- Review (Prof. Kozowski)
- Review (Prof. Kovachev)
- Introduction
- Preterm birth
- Epidemiology of preterm birth
- Risk factors
- Effects of PTB on health
- Prognostic factors for PTB
- Biochemical diagnostics of PTB
- Conclusion

– References

## **TOPICALITY OF THE PROBLEM**

Dr. Nikolay Dimitrov Kolev has developed an extremely contemporary and up-to-date medical and social problem related to fetal prematurity and preterm birth. This work has been developed very in a modern and innovative way and is presented at a very important moment.

Using the tests described, Dr. Kolev can confirm or reject the risk of a preterm birth. Using both tests and ultrasound biometrics, the risk of PB can be proven 95%. This allows the treating physician to prevent these patients.

The purpose of Dr. Nikolay Kolev is to support the prevention and treatment of premature births by developing criteria and a diagnostic algorithm for them.

Against the background of the demographic collapse and the negative growth in our country, this extremely innovative, wonderful and excellently presented scientific work contributes to the prevention and treatment of premature births, reduction of morbidity and prenatal infant mortality.

## **ASSESSMENT OF CONTRIBUTIONS**

- for the first time in our country a prospective study was conducted on two tests - fetal fibronectin and IGFBP-1 in the period of 24-34 g.w. to predict preterm birth
- for the first time in Bulgaria a diagnostic algorithm has been developed aimed at predicting, preventing and treating premature births accordingly. This algorithm results in a dramatic decrease in preterm births and especially associated complications.

From a practical point of view, the combination of these diagnostic tests provides extremely fast and important results for the further behavior of the treating physician – patients to be prevented and treated or to avoid unnecessary treatment in a hospital setting. Dr. Kolev has applied the algorithm developed in the Maternity ward of MPHAT “St. Anna” in patients at risk of preterm birth.

## **SCIENTIFIC ACTIVITY**

Dr. Nikolay Kolev presents 27 publications in connection with his participation in the competition - 10 published in abstracts and 17 publications in non peer-reviewed editions. There have been 9 citations in peer-reviewed and 6 citations in non peer-reviewed sources. He is a member of the Bulgarian society of obstetrics and gynecology. He actively participates in the forums run by the society.

## **CONCLUSION**

I have known Dr. Nikolay Dimitrov Kolev as an excellently trained obstetrician and

gynecologist and a colleague who works well in a team. I have very good personal impressions of Dr. Kolev as a hardworking, studious and innovative doctor whom his colleagues can rely on in difficult clinical situations.

The submitted scientific works of Dr. Nikolay Dimitrov Kolev completely meet the scientometric criteria, according to the Regulations for the development of the academic staff of MU - Varna for occupation of the academic position "Associate Professor" at the Department of OG – MU - Varna.

It is with great inner conviction that I invite the highly respected jury to vote positively for Dr. Nikolay Dimitrov Kolev.

**Opinion prepared by: Prof. Dr. Stefan Ivanov, Dr. Med Sc**

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