



REVIEW

By Prof. Dr. Emil Georgiev Kovachev, MD, DMSc
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Regarding
Competition for the occupation of the academic position "Associate Professor" by
professional field 7.1. Medicine, specialty Obstetrics and Gynecology, announced in the State
Gazette no. 45/28.05.2024 for the needs of
Medical University "Prof. Dr. Paraskev Stoyanov" - Varna
of Dr. Zhivko Stoyanov Zhekov, PhD

EVALUATION OF CONTRIBUTIONS

Personal contributions can be grouped into the following areas:

I. Contributions related to the dissertation work on the topic: "Methods for termination of pregnancy in obstetrics and gynecology practice"

In his dissertation work, Dr. Zhekov examines a modern problem of great medical and social importance. Termination of pregnancy is the most frequently performed gynecological procedure, with more than 56 million abortions performed annually worldwide, the largest percentage of which is in developing countries. In recent years, the efforts of doctors have been mainly aimed at improving the conditions and technique of performing abortions, as well as in terms of efficiency, safety and reduced risk of complications.

The use of prostaglandins and subsequently of progesterone inhibitors as a method of termination of pregnancy (medical abortion) significantly increases the efficiency and reduces the complications of this manipulation.

The purpose of the study is to perform a comparative analysis of the abortion methods used (surgical and medical) in modern obstetrics and gynecology practice, optimizing the criteria for applying the procedures during the I and II trimesters of pregnancy.

Medical abortion in the I and II trimesters is highly effective (91.4 ÷ 95.7% completed abortion) and safe, requiring time to expulse the uterine contents - an average of 7 hours (I trimester) and 8 hours (II trimester). The relative proportion of early complications in medical abortion in the first trimester is two to three times greater than that in vacuum aspiration. The use of medical abortion in the II trimester is associated with a reduction in the risk of sterility. The relative proportion of early complications in vacuum aspiration is two to three times lower than in medical abortion in the first trimester. The risk of getting a hematoma and endometritis is greater when applying vacuum-aspiration, compared to medical abortion in the first trimester. In dilatation and evacuation, the rate of early complications was the highest: abdominal and pelvic pain (20.0%), prolonged bleeding (5.7%) and endometritis (1.3%), and symptoms from the gastrointestinal system are less frequent. The use of surgical abortion by dilation and evacuation is associated with a greater relative risk of sterility and late complications. Risk factors for the occurrence of these late complications are previous vaginal infection, abortion, and previous cesarean section.



II. Contributions in other thematic areas not related to the dissertation work:

1. Organization, conditions and carrying out of abortion in hospital conditions;
2. Clinical evaluation of the procedure Abortion on medical indications;
3. Obstetric behavior in case of established pathology of genital or extragenital origin;
4. Pregnancy and infectious diseases;
5. Pregnancy and concomitant hypertension pathology;
6. Innovations in obstetrics and gynecology practice;

III. Contributions related to a monographic work on the topic: "Modern methods of artificial abortion in obstetrics and gynecology practice"

The presented monographic work of Dr. Zhivko Zhekov, PhD "Modern methods of artificial abortion in obstetrics and gynecology practice" examines medical problems of important social importance. This development is particularly relevant for Bulgaria, which ranks first in Europe in terms of negative demographic indicators and the number of voluntary abortions.

In his scientific production, Dr. Zhivko Zhekov has thoroughly analyzed the most current aspects in the field of artificial abortion, as well as the organization of medical assistance. All methods, modern trends and guidelines, complications in the field of artificial abortion have been developed consistently and in detail.

Of interest is the comparison between medical and conventional abortion, as well as the described advantages and disadvantages of each of them. The scale of the developed work is impressive, modern literary sources in Latin and Cyrillic are listed, namely 206 authors, some Bulgarian developments in this direction are also included.

In his monographic work, Zhivko Zhekov develops problems that are undoubtedly relevant for modern gynecological practice and fills a gap in specialized literature that has existed in recent years.

SCIENTIFIC RESEARCH ACTIVITY

The candidate submits for the competition a dissertation on the topic: "Methods for termination of pregnancy in obstetrics and gynecology practice", a monograph on the topic "Modern methods of artificial abortion in obstetrics and gynecology practice", as well as 21 full-text publications in our and foreign scientific journals, meeting the regulatory requirements.

Participation in courses

Dr. Zhekov's professional interests are in the field of operative gynecology, endoscopic surgery and ultrasound diagnostics in obstetrics and gynecology, for which he has the relevant certificates.

1. 2003-2004 – Take participation in a study program in the department of Gynecology at the HADASSAH UNIVERSITY HOSPITAL
2. 1991 - Colposcopy course, Medical University of Sofia.
3. 1996 - Course "Ultrasound diagnostics in obstetrics and gynecology, Medical University of Sofia.
4. 2007 - Course "Gynecological laparoscopy and hysteroscopy", Medical University of Sofia.
5. 2022 - Course "Maternal-fetal medicine", AMFM Sofia, BLS Sofia.

Brief biographical data

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Dr. Zivko Zhekov was born in Silistra in 1961. He graduated from the University of Varna with very good success in 1987. From 1987-1989 he worked as a gynecologist in the District Hospital in Silistra. From 1990 to 1993, he was a clinical resident in the department of AG at the Medical University of Varna. He works as a OBGYN in the Gynecology Clinic at the "Sveta Anna" Medical Center - town. Varna since 1993. until 2016, and from 2016 until now he works at SBAGAL "Prof. Dr. D. Stamatov" as Head of "Gynecology Department". After winning a competition in 2017 was elected as a full-time assistant in the OBGYN department at the MU - Varna.

Dr. Zhekov's scientific and practical interests are in the field of endoscopic surgery in gynecology. In 2021 obtained the ONS "Doctor" after a successfully defended dissertation on the topic: "Methods for termination of pregnancy in obstetrics and gynecology practice". From 2022, he holds the academic position of "Chief Assistant" at the Department of OBGYN.

Conclusion

The scientific production presented by Dr. Zhekov meets the generally accepted standards. Based on the scientometric criteria and teaching activities, I believe that Dr. Zhivko Zhekov, PhD meets all the requirements for acquiring the academic position "Associate Professor".

I take the liberty of recommending to the respected members of the Scientific Jury to vote positively for awarding the academic position of "associate professor" in the scientific specialty "Obstetrics and Gynecology" to Dr. Zhivko Zhekov, according to the Regulations for the Development of the Academic Staff at the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna.

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