

REFERENCE

By Prof. Dora Marinova Tancheva, PhD, MD

Concerning: competitive procedure for academic occupation “Associate Professor” for the clinical specialty Anesthesiology and Intensive Care at the Clinic of Pediatric Anesthesiology and Intensive Care of UMHATEM “N.I.Pirogov” Sofia as advertised in Sate Gazette N19/05.03.2021

Papers for participation in the competition were received by Dr. Bogdan Yordanov Mladenov, PhD.

The candidate has presented the following materials: CV, Certificate of Specialty in Anesthesiology and Intensive Care. List of scientific work, list of works presented in scientific meetings and forums; scientific papers; Abstract of PhD work; reference of scientific accomplishment; Appendix 1; Criteria and scientific measures for academic occupations in UMHATEM “N.I.Pirogov” Reference for meeting of minimal criteria for the position of Assoc Porf. ; Directive of the Executive Manager Prof. Asen Baltov, PhD of 05.05.21 based on section 60, p 2 of the Internal Regulations of academic personnel in UMHATEM “N.I.Pirogov” in accordance with the Scientific Committee protocol N –HC-02-21/28.04.2021, for appointin a scientific jury in the competition for the academic position of Associate Professor at the Clinic of Pediatric Anesthesiology and Intensive Care of UMHATEM “N.I.Pirogov” Sofia as advertised in Sate Gazette N19/05.03.2021

Biography and professional development

D-r Bogdan Mladenov completed his higher Medical Studies in 2006 at the Medical University Sofia. He worked in University Hospital Maichin Dom between 2007 and 2014 as a registrar and then assistant at the Dpt. Of Anesthesiology and Intensive Care MU-Sofia.

Between 2008-2009 he successfully achieved several courses in Anesthesiology and Intensive care at the University V Pierre and Marie Curie Paris France and the University Hospital Bichat Claude Bernard in the following surgical areas: ENT surgery, recovery room, orthopedic surgery, cardiosurgery and cardio-surgical ICU.

In 2010 he participated in a medical statistics course at the MU Sofia, EFIC school of neuropathic pain in Montescano Italy, and course in bases of analgesia in Klagenfuth Austria.

In 2012 he started work as assistant at the Dpt. Of Anesth and Int. Care MU Sofia. In 2013 he was awarded Specialty in Anesthesiology and Intensive Care

In 2014 he was awarded PhD for the thesis “Laryngeal Masks and Difficult intubation” (Diploma 205 D /26.06.2014) under the scientific leadership of Prof Silvi Georgiev . In 2014 he started work as assistant and in 2015 as senior assistant at the Dpt of Pediatric Anesth and Int Care of UMHATEM “N.I.Pirogov”.

Dr Mladenov was an active participant in the grant project named “Comparative study of Proseal and LTS II for difficult airway management.” in 2007, also in the international project Intensive Care Over Nations ICON Study , sponsored by the World Federation of Intensive Care Societies. He is member of the Bulgarian Society of Anesthesiology and The Bulgarian Association for the Study and Treatment of Pain.

Scientific work

In the current competition Dr Mladenov presents 26 papers- 10 in Bulgarian, 16 in English. The scientific papers were published in Bulgarian and Foreign Journals and Dr Mladenov is Leading author in 16 of them.

In accordance with the reference for minimal scientific criteria supplied Dr Mladenov’s work covers the criteria for scientific and teaching work. 12 of his papers have a collective impact factor of 35,5.

The papers provided show the differing and deep scientific interests of Dr Mladenov in the field of Anesthesiology and Intensive Care. They can be grouped in several themes:

His work in the field of difficult airway management and his papers for the predictive criteria and different methods for managing difficult airways, concerning preoperative evaluation of risk factors in children undergoing surgery in ENT. (1,2,3,4,5)

In papers(6,,8,9,10) research of the risks related to emergency and planned surgery are discussed in patients with cardiologic disease, as well as a systematic review of the current criteria for preparation of children for surgery, concerning different risks in different anesthetic techniques and concomitant disease.

Dr Mladenov shows a keen interest in the area of analgesia , pharmacologic and pharmacoeconomic analysis of different anesthetics. In his works (7,11,12,13,14,15) the effects of preemptive analgesia are shown with COX inhibitors in gynaecologic surgery, the behavioral and psychological attitudes of pregnant women choosing epidural analgesia for normal birth, alternative methods for opioid application as iontophoretic systems, as well as a pharmacoeconomic analysis for the consumption of anaesthetic gas in different modes of work in pediatric anesthesia.

A significant contribution is made by the papers related to infectious complications in the postoperative and ICU treatment of children, concerning specific causative agents

of septic complications in neonates and older children as well as children with corrected heart anomalies and ventilator associated pneumonia. (16,17,18,19)

Of particular interest are the analyses of the prenatal trauma as well as problems faced by the anesthetist caring for children with corrected heart conditions. (20,21)

An important part of the scientific work is related to the problems venous access and intraosseal access in different age groups. (22,23,24,25,26)

Contributions

The scientific materials presented have a serious scientific impact and important clinical implications. They show the knowledge and participation of Dr Mladenov in the treatment of critically ill children with varying pathologies and different age groups. In my opinion his work in the field of predictive criteria for difficult airways, the protocols presented for central venous access in neonates LBW neonates, the novel programme for the country of tunneled central venous catheters in short bowel syndrome children and the role of intraosseal route for the application of bioproducts and coagulation factors in children with coagulation anomalies.

Dr Mladenov has extensive knowledge in the specialty, works well in a team, he is initiative, has a developed sense of personal and collective responsibility. He is active in the teaching process of the Clinic, participating in the theoretical and practical work of students and trainees. He worked on practical programmes for the medical students, he participates in scientific studies in the field of Anesthesiology and intensive care at national and international venues.

Conclusion

The complex evaluation shows that Dr Bogdan Yordanov Mladenov has enough experience in teaching and scientific work of anesthesiology and intensive care. The presented papers and reference are completely sufficient for the academic title Associate Professor. The above arguments and my personal extensive experience lead me to recommend to the honorable members of the panel to award the academic title Associate Professor in Anesthesiology and Intensive Care to Dr Bogdan Yordanov Mladenov, PhD of the Department of Pediatric Anesthesiology and Intensive Care at UMHATEM "N.I.Pirogov" Sofia.

31.05.21

Prof Dr Dora Tancheva PhD

Sofia