

## **REFERENCE**

**By Prof. Dr. Nikolay Petrov PhD**  
**Head of Anesthesiology and Intensive care clinic**  
**Military academy Hospital Sofia**  
**Head of Anesthesiology and Intensive care Department**  
**Military academy Sofia**

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 State Gazette N19/05.03.2021 with sole candidate: senior assistant Dr. Bogdan Yordanov Mladenov, PhD.

### **Biography data :**

Dr. Bogdan Yordanov Mladenov was born on 14.01. 1982. He graduated from medical school – Sofia in 2006. He acquired specialty in Anesthesiology and Intensive Care in 2013. In 2014 he was awarded PhD for the thesis "Laryngeal masks airways and difficult intubation".

From 2007 to 2014 he is anesthesiologist at Hospital "Maichin dom", from 2012 is an assistant for Dpt of Anesthesiology and Intensive care at Medical University Sofia and has is responsible for foreign language students' education at the University. As of 2014 to this day he is part of the team of Pediatric Anesthesiology and Int. Care of UMHATEM N.I.Pirogov as senior assistant.

In 2008-2009 he attended one-year training at Paris Pierre and Marie Curie University Dpt Anesth. and Int. Care and had clinical practice at the Hopital Bichat-Claude Bernard Paris.

He has taken part in qualification courses and trainings for pain treatment, medical statistics, pediatric anesthesia and intensive care, etc.

### **Scientific work:**

For the competition Dr. Bogdan Mladenov presents 24 papers of which 1 is his PhD thesis and abstract, 23 papers in Bulgarian and international journals; 8 of the articles are published in world-known referenced and indexed journals and data base (electronic available supplements and full texts). He is co-author of Anesthesia and Intensive Care Treatment textbook for medical students, he has 15 citations in referenced and indexed journals, 10 citations in monography and scientific collective works, 5 citations in non-referenced journals, he took part in 22 congresses and conferences.

His main scientific works are in the field of anesthesia and intensive care, essentially pediatric anesthesia and intensive care, laryngeal mask airways trials, anesthetic management in obstetrics and gynecology.

In 2008 he developed a project on the subject "Comparison of LMA Proseal with Laryngeal tube for gynecology surgery" funded with a grant from MU Sofia.

He took part in an international project of intensive care "Intensive care over Nations-ICON Study".

Based on the presented information, I vote that according to the regulations of UMHATEM "N.I.Pirogov" and the Law for academic development article 29, dr. Bogdan Mladenov meets the requirements for the minimum number of points with enough points for the academic occupation "Associate Professor.

**Teaching work :**

During the years dr. Mladenov is teaching bulgarian and foreign language speaking medical students as an assistant at MU Sofia. He is also teaching trainees and training doctors as a senior assistant at the Dpt . Anesth Int. Care of UMHATEM "N.I.Pirogov". All anesthesiology training doctors attend a mandatory course at their Pediatric clinic.

He is a lecturer in qualification courses. He is working on medical students textbooks.

He is an academic trainer of medical students for the EU programme "Human recourse development".

**Scientific and practical contribution**

Dr. Bogdan Mladenov is a professional with extensive clinical experience who is aquented with all basic methods of diagnosis and treatment of the attented Anesthesiology and Intensive care specialty.

Dr. Mladenov is performing diagnosis and treatment in a highly specialized clinic of pediatric anesthesia and intensive care. The activity of this clinic is unique for the Bulgarian country.

His scientific contribution could be qualified as:

- Predictive criteria and difficult airway management;
- Perioperative risk assesment and preparation for elective and emergency surgery-for patients with cardiac co-morbidities as well as for children;
- Various anesthetics pharmacocinetic and pharmacodynamic characterics;
- Postoperative period and intensive care treatment infections in children trials;
- Features of anesthesia and intensive care treatment for trauma patients- pediatric and newborn age;
- Research for the challenges and methods of a placement of venous lines and intraossal access in different age groups;
- Development and practice of a novel for the country method of implantation of permanent tunnelized venous catheters for children and newborns with short bowel syndrome.

**Conclusion :**

Based on the above I consider that dr. Bogdan Mladenov PhD complies with all the requirements for attaining the scientific title of “Associate Professor” in Anesthesiology and Intensive Care Spetialty and I recommend the Honorable jury to award this scientific title.

07.06.2021г.

Reference wrote by :

Prof. Dr.Nikolay Petrov PhD, MD