**TO THE CHAIRPERSON**

**OF THE SCIENTIFIC JURY**

**DETERMINED BY ORDER No. 15-05-93/26.09.2023**

**OF THE EXECUTIVE DIRECTOR AND THE PROCURATOR**

**OF „ ACIBADEM CITY CLINIC TOKUDA UMHAT “ EAD**

**BASED ON THE DECISION OF THE SCIENTIFIC COUNCIL**

**PROTOCOL No. 48/20.09.2023**

**OPINION**

From: Assoc. Prof. Lachezar Boyanov Lozanov, PhD,

Head of Clinic of Internal Medicine

of „ Acibadem City Clinic UMHAT Tokuda “ Sofia

**Subject:** The dissertation paper on the topic "**Place and role of the emergency department of the Multidisciplinary Hospital for active treatment in the application of the diagnostic-therapeutic algorithm for patients over 18 years old, infected with the SARS-Cov-2 virus during a pandemic**" for acquisition of the educational and scientific degree "**PhD**", in the field of higher education 7. Health care and sports, professional direction 7.1. Medicine, PhD Program “**Internal Medicine**”.

**To Dr. Parvoleta Krasteva Yakova-Krasteva - Doctoral student of independent training at the Internal Medicine Clinic "Acibadem City Clinic UMHAL Tokuda" EAD**

**Scientific supervisor: Prof. Dr. Milena Staneva, PhD**

Dear members of the Scientific Jury,

Dr. Parvoleta Krasteva's dissertation paper is devoted to a problem of extremely great medical and social importance: a diagnostic-therapeutic algorithm for patients infected with the SARS-CoV-2 virus during a pandemic that occurred with an extremely high mortality rate. This was so, not only because there was no effective treatment at the beginning, but also because there was a lack of precise rules for differentiating patients and the need for emergency hospitalization in some of them. In this regard, the search for new algorithms for behavior in emergency units has become particularly relevant.

The literature review of the dissertation is based on the state-of-the-art understanding of disease progression and the role of risk factors for severity, progression, and death in COVID-19. A solid bibliography was used, covering 273 literary sources, including foreign and Bulgarian authors. The presented dissertation is written on 141 pages, observing the main generally accepted sections for a dissertation, illustrated with a sufficient number of figures (22) and tables (33), as well as 8 extremely valuable practically verified algorithms, affecting all possible groups of patients with COVID-19, passed through the Emergency Department (ED) of Tokuda UMHAL. An extremely strong impression is made by the enormous work of research and follow-up of 6,000 patients who underwent ED.

Analysis of risk factors influencing the course of COVID-19, disease outcome, and long-term prognosis after relapse would advance our knowledge regarding both prevention and treatment to reduce mortality and prevent long-term adverse outcomes. after being sick with COVID-19. I confirm the accuracy and practical significance of the main conclusions and contributions made in the dissertation work.

The abstract complies with the academic requirements and corresponds to the content of the dissertation.

The doctoral student systematically participated in publications on the topic, participated in presentations on the topic at scientific conferences.

**CONCLUSION**

The presented documents and the dissertation **"Place and role of the emergency department of the Multidisciplinary Hospital for active treatment in the application of the diagnostic-therapeutic algorithm for patients over 18 years old, infected with the SARS-Cov-2 virus during a pandemic"** of Dr. Parvoleta Krasteva Yakova-Krasteva meets all the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB), the Regulations for the Implementation of the LDASRB and the specific requirements adopted in connection with the Regulations of "Acibadem City Clinic UMHAL Tokuda" EAD. No plagiarism is detected.

The dissertation is up-to-date and properly structured. The design of the individual studies and the overall setting of the development correspond to the aim and objectives. The material and methods are well chosen and executed precisely. The conclusions are based on the overall analysis of the results and are the logical conclusion of the dissertation.

**Due to the above, I confidently give my POSITIVE assessment of the study and propose to the Honorable Scientific Jury to award a well-deserved educational and scientific degree PhD- "Doctor" to Dr. Parvoleta Krasteva Yakova - Krasteva in a PhD program in "Internal medicine", for which I am convinced voting “FOR".**

Sofia, 29.10.2023

Prepared the opinion:

Assoc. Prof. Lachezar B. Lozanov,

Head of Internal Medicine Clinic