

REVIEW

By

МЕДИЦИНСКИ УНИВЕРСИТЕТ
ПЛОВДИВ
Вх. № *P.1015* / 16.05.2022 г.

Prof. Ivan Zhechev Traykov, Ph.D.

of the dissertation for obtaining the educational and scientific degree 'Doctor'

Health and sport, professional field: *Medicine*

doctoral program: *Pediatric Surgery*

Author: Dr. Dimitar Angelov Dachev

PhD form: *Self-study.*

Department: *Propaedeutics of Surgical Diseases, Department of Pediatric Surgery*

Subject: Vacuum-assisted technology for the treatment of wounds in children.

Supervisor: *Assoc. Prof. Dr. Evgeniy Moshekov, MD*

Head of the Department of Propaedeutics of Surgical Diseases

Assoc. Prof. Dr. Elean Zanzov, Ph.D.

Head of PVH Clinic

1. General presentation of the procedure and the doctoral student

The presented set of materials on paper / electronic media is in accordance with Article 70 (1) of Section I. Acquisition of educational and scientific degree "DOCTOR" and scientific degree "DOCTOR OF SCIENCE" at MU-Plovdiv; Regulations of MU-Plovdiv from 28.01.2021 and includes the following documents:

- Application to the Rector of MU-Plovdiv for disclosure of the procedure for defense of the dissertation
- CV in European format with the signature of the doctoral student
- notarized copy of the diploma of higher education
- orders for enrollment in doctoral studies, interruption of studies (due to maternity) and for continuation of studies; for deductions with the right to protection

- an order for conducting an examination from the individual plan and a respective protocol for passing an exam or a doctoral minimum in the specialty

- Minutes of the Department Council for preliminary discussion of the dissertation work and the decisions taken for opening the procedure and for the composition of the scientific jury

- dissertation work

- sentences

- list of scientific publications on the topic of the dissertation

- copies of scientific publications

- list of participations in scientific forums

- list of noticed citations

- declaration of originality and authenticity of the attached documents

- other documents related to the course of the procedure

The doctoral student has submitted four publications in Bulgarian journals and forums.

Dr. Dimitar Angelov Dachev was born in Plovdiv on October 6, 1982. He graduated in medicine at the Thracian University in Stara Zagora in 2007. He started working at the Clinic of Pediatric Surgery at St. George University Hospital in 2009. Acquired a degree in Pediatric Surgery in 2014. He is a member of the Bulgarian Society of Pediatric Surgery, the European and World Society of Pediatric Surgery.

2. Relevance of the topic

The topic of the dissertation is relevant. In recent years, the vacuum-assisted therapy method has been widely introduced into the practice of wound healing in adult patients. The characteristic features of the child's body require to determine the exact parameters for the use of negative pressure during therapy. The developed algorithm of behavior in the treatment of wounds in childhood makes the dissertation significant and with a strong scientific and applied nature.

3. Acquaintance with the issue at hand

All sections of the dissertation show the in-depth knowledge of the doctoral student on the developed topic. The data from the results are well interpreted and support the conclusions.

4. Research methodology

The chosen research methodology is sufficient to describe the results obtained and fully support the goal. The contingent of patients covered meets generally accepted diagnostic criteria and guarantees the reliability of the results obtained.

5. Characteristics and evaluation of the dissertation and contributions

The literature review is extensive, examines the historical development of the method and reflects analytically current data on the treatment of various types of wounds.

The goal is clearly stated, the set tasks are sufficient and in support of the set goal.

The methods and the individual indicators monitored and the statistical processing of the results are described in detail and well.

The results are presented systematically and are illustrated with 56 tables and 9 photos.

The discussion is 13 pages long and follows the sequence of results.

The conclusions are accurate and clear and are logically derived from the results achieved.

The contributions are divided into those of scientific-theoretical and scientific-applied nature

6. Evaluation of publications and personal contribution of the doctoral student

Four scientific publications are attached, which reflect the results of the dissertation. Two of the

publications are in the Bulgarian journal Surgery and two of the publications have been published in conference proceedings. Dr. Dachev participates in a research project of MU - Plovdiv on the topic of the dissertation.

7. Sentences

The sentences is made according to the requirements and reflects the main results described in the dissertation

CONCLUSION

The dissertation contains scientific, scientific-applied and applied results, which represent an original contribution to science and meet all the requirements of the Academic Staff Development Act in the Republic of Bulgaria (LDASRB), Regulations of LDASRB and the Regulations of MU - Plovdiv. The presented materials and dissertation results fully with the specific requirements adopted in connection with the Regulations of MU - Plovdiv for application of LDASRB.

The dissertation shows that the doctoral student Dr. Dimitar Angelov Dachev has in-depth theoretical knowledge and professional skills in the field of Pediatric Surgery, demonstrating qualities and skills for independent research.

All of the above, motivated to give my positive assessment of the research presented by the above peer-reviewed dissertation, abstract, results and contributions made and reviewed above. I would like to suggest to the Honorable scientific jury to award d doctoral degree to dr. Dimitar Angelov Dachev in the doctoral program in Pediatric Surgery.

10.05. 2022

PhD Thesis Evaluation Report:

Заличено на основание
Чл.5 §1, б. "В" Регламент (ЕС)2016/679