

ATTH:
THE CHAIRMAN OF THE SCIENTIFIC JURY
AT THE MEDICAL UNIVERSITY „PROFESSOR
PARASKEV STOYANOV”
OF VARNA

STANDPOINT

by

Assoc. Prof. Dimitar Petkov Petkov, MD, PhD
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of the dissertation work entitled

**Operative treatment of carotid arteries in multifocal
atherosclerosis**

of Emil Dimitrov Jordanov, MD, PhD student in the doctoral programme of
'Vascular surgery' at the Department of Cardiovascular Surgery and Angiology
of the Medical University "Prof. Paraskev Stoyanov" of Varna

for the acquisition of the educational and scientific degree of 'doctor of
philosophy' in the field of higher education No 7. Public health and sports,
professional trend No 7.1. Medicine and
scientific speciality of 'Surgery'

Adviser: Prof. Veselin Petrov Petrov, MD, PhD

According to the decision of the Scientific jury for the public defence of the dissertation work appointed according to Order of the Rector of the Medical University "Prof. Paraskev Stoyanov" of Varna No R-109-576/December 17, 2021, to the Statute-book for the application of the Law for development of the academic staff in the Republic of Bulgaria and the Statute-book for development of the academic staff in the Medical University of Varna, I am assigned to prepare the present standpoint.

The dissertation work contains 205 standard type-written pages. Its structure contains the necessary sections and completely meets all the necessary requirements.

The dissertation is illustrated with 30 tables and 105 figures. The reference list includes 230 source titles, of which there are 26 in Cyrillic and 204 in Latin. The prevailing part of the cited sources is dated during the last several years. The PhD student has published two independent scientific articles on the theme of the dissertation in 2021.

The dissertation work is distinguished by a considerable actuality and medico-social significance for the country. Atherosclerosis is a chronic and progressive multifocal disease of the arterial wall and a main cause of the acute and life-threatening cerebro-vascular diseases. During the recent years, a considerable advance in the operative treatment of the patients with stenosed carotid arteries has been achieved as carotid endarterectomy and carotid stenting with angioplastics that are the object of the present dissertation work are approved modern and effective surgical methods.

The comprehensive review of the literature presented provides a profound analysis of the relevant publications on the theme of the dissertation.

The purpose of the dissertation work is clearly determined, namely, to study in a comparative aspect PhD student's results from the application of the carotid endarterectomy and the carotid stenting with angioplastics in the

patients with carotid atherosclerosis. For its accomplishment, six main tasks are defined.

In the course of the retrospective study, attention is paid to the concrete results from the operative treatment of a total of 199 patients, 107 of whom have undergone carotid endarterectomy while 92 ones have undergone stenting with angioplastics. The preoperative imaging diagnosis is performed by means of several contemporary methods, as, simultaneously with this, an analysis of its diagnostic and prognostic value in carotid stenosis patients is carried out. A special attention is devoted to the serious comorbidity among the patients covered in the dissertation work.

We should extraordinarily positively evaluate the multi-aspect analysis of the results obtained that is systematized in five single chapters. In a comparative plan, not only the imaging diagnostic methods but also both surgical methods in damaged carotid arteries and carotid bulbs used are assessed. The results from the combined application of the stenting with angioplastics of the carotid arteries and of the stenting in the other vascular basins as well as from the combination of this method with aortocoronary bypass represent a definite interest, too.

In four chapters, the results obtained by the PhD student are commented and they are juxtaposed to data from the newly-published medical literature dealing with the theme of the dissertation work.

Six concrete conclusions are formulated in which, the main PhD student's achievements are generalized. The effectiveness and safety of the treatment methods used are outlined. Five scientifically applicable contributions of confirmatory nature are determined.

The author's dissertation abstract presented completely meets the requirements and it exactly and well displays the contents of the dissertation work.


I think that that the dissertation work given for standpoint and entitled 'Operative treatment of carotid arteries in multifocal atherosclerosis' is an

original author's elaboration. It is distinguished by a series of merits such as accuracy, thoroughness and reliability.

PhD student's results are definitely a contribution to the research and practical clinical activity in vascular surgery and can underlie subsequent investigations in this field. The PhD student Emil Dimitrov Jordanov, MD, has sound theoretical knowledge and professional skills in vascular surgery and with this dissertation work presented he proves that he can independently perform complex scientific investigations.

Based on the ascertainties presented, I evaluate completely positively the present dissertation work and I would like to propose to the honoured members of the Scientific jury to award the educational and scientific degree of 'doctor of philosophy' to Emil Dimitrov Jordanov, MD.

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Stara Zagora

Standpoint prepared by 
(Assoc. Prof. Dimitar Petkov Petkov, MD, PhD)