

UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE

„CAROL DAVILA” BUCUREȘTI

ȘCOALA DOCTORALĂ

DOMENIUL MEDICINĂ

Progrese recente în tratamentul chirurgical al
cancerelor colorectale

REZUMATUL TEZEI DE ABILITARE

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Summary

The habilitation thesis with the title "Recent Progresses in Colorectal Cancer Treatment" includes three parts, as recommended by CNATDCU and the existing National Education Law.

In the first section of this thesis can be found a description of my 22 years of professional and didactic work, with all the important advances that I took in the meantime. You can find here a list of all my research papers and projects, participation in national and international scientific events, both as a participant and as a speaker or a trainer, my affiliations as a physician, and the most important activities that I have coordinated in the field that I am working.

As it can be found in a more detailed form in the first part of this thesis, I have first become part of an international research project in 1999, as a student. Since then I have been part of or coordinated other 16 research grants and research projects. My academic career started in 2001 when I became part of the faculty of the Surgery Department and I worked with students during their surgery rotation. In 2007 I defended my Ph.D. thesis named "Limits and possibilities of surgical treatment of colorectal polyposis", coordinated by my Ph.D. Professor Dr. Florian Popa from "Carol Davila" University of Medicine and Pharmacy Bucharest.

As previously stated, during my 22-year academic career I have been very preoccupied with research but also with scientific writing, my editorial activity is represented by 19 monographs and textbooks as main or co-author, among which I mention "Large bowel polyposis", Bogdan Socea, Liliana Dimitriu, Vlad Denis Constantin, published in 2013, that was a follow up of my Ph.D. thesis. There are other textbooks for students and residents because I strongly believe that medical information should be up to date at all levels.

My research activity is also sustained by the publication of 79 articles in ISI Thomson Reuters with IF, in the field of surgery, 133 articles indexed BDI/CNCSIS, 74 publications as ISI abstracts, and many more other scientific papers which can be found in the first section.

The second section of this thesis contains a summary of previous research activities that I have been part of or coordinated in Saint Pantelimon Clinical Emergency Hospital's Surgery

Department, regarding the colorectal disease, especially regarding patients that come to our hospital as emergencies. Currently, malignant colorectal pathology has a high incidence and prevalence and the numbers for emergencies continue to grow, despite efforts to prevent it through screening programs. Following the description of our current research, there is a narrative review of the progress in treating colorectal patients in an emergency setting at a global scale and a detailed plan for the future of my academic career. Therefore, I want to create core research in my clinic regarding colorectal pathology, especially malignant pathology in emergency patients, with the support of "Carol Davila" University.

As part of my plan, I intend to improve my teaching skills in order to create better classes for students, better learning projects for residents, and new interactive resources and workshops for both categories. I believe it is important to support the research activity of students and residents besides their compulsory research for their thesis. I underline the need to develop and consolidate the research group of the Surgery Department in our hospital, with the need to attract young professionals towards undertaking Ph.D. studies in Surgery and translating their findings into clinical practice.

The main purposes for my academic career are:

- To continuously increase my scientific, professional and academic level
- To improve my pedagogical skills
- To obtain the title of Professor in Surgery
- To organise surgery-related workshops for students and residents
- To coordinate research projects for students and residents
- To disseminate the results of my research in various publications, including ISI Thomson Reuters
- To start an online BDI journal

All the references that have been used for the development and support of this thesis can be found in the third section, in order of their appearance.

To summarise, this thesis is only the beginning of a project that I am going to put into motion for creating protocols for emergency colorectal cancer patients, that will improve the quality of care and reduce de morbidity and mortality of these patients. I also plan to maintain and expand my connections with my peers in both the same specialty and other specialties, as emergency surgery brings many interdisciplinary research opportunities.