

University of Medicine and Pharmacy "Carol Davila" Bucharest



**DOCTORAL SCHOOL**

**THE FIELD OF MEDICINE**

**APPROACH TO PERIODONTAL PATHOLOGY  
IN THE SYSTEMIC CONTEXT**

Faculty of Dentistry

Discipline Periodontology

Assistant Professor Dr. Stana Păunică

University of Medicine and Pharmacy "Carol Davila" Bucharest

## **ABSTRACT OF THE HABILITATION THESIS**

Any medical academic career must include the necessary skills to be both a good tutor and researcher, and of course a qualified experience in clinical medicine according to the latest trends and protocols currently used.

Therefore, in order to be able to develop an exceptional academic career, a specific dedication complementary to self-motivation is necessary, thus ensuring a great enthusiasm and desire to find and interpret new ideas and concepts.

The career of an academic teacher must lead to the best possible results in terms of educating students, and also to significantly contribute the development of international academic literature. It must therefore harmoniously and constructively combine several skills and qualities, such as thorough scientific knowledge that is constantly updated, and the constant desire to communicate, which ensures good collaboration in the work of specialized and interdisciplinary teams.

The habilitation thesis with the title "Approach to periodontal pathology in a systemic context" is structured according to the recommendations of the National Council for the Attestation of University Titles, Diplomas and Certificates (CNATDCU) and the National Education Law No. 1/2011, with subsequent amendments, the Order of the Ministry of National Education and Scientific Research No. 6129/2016, regarding the approval of the minimum necessary and mandatory standards for the awarding of teaching titles in higher education, professional degrees in research and development, the quality of the doctoral supervisor and the certificate qualification.

This habilitation thesis entitled "Approach to periodontal pathology in a systemic context" summarizes my medical practice, teaching and research activities, carried out since 2006. This year corresponds to the date of completion and presentation of my doctoral thesis, entitled "Gingival-periodontal manifestations in leukemia", thesis that was coordinated by Acad. Prof. Univ. Dr. Horia Traian Dumitriu.

According to CNATCU recommendations, the structure of the work is divided into three main sections. SECTION I details my scientific, academic and professional activity, with the results obtained in my research and coordination activities, results that have been disseminated through the publication of several ISI listed articles, as well as books in which I am the main author, co-author or collaborator. SECTION II contains the professional, scientific and academic

career improvement and development plan, while SECTION III includes the relevant bibliographic references.

## **SECTION I**

The scientific research carried out up to now has resulted in the publication of books, articles and oral or poster presentations at national and international conferences and congresses, with the help of the medical trainers who coordinated my medical and academic career. Perseverance, enthusiasm and teamwork made a substantial contribution to all of this, together with colleagues with whom I developed a collaboration that was not only productive but also gratifying for the results obtained.

As for the partnership, it includes the direct participation of all members of the department, interdisciplinary collaborations within our Faculty of Dental Medicine, as well as numerous collaborations with several Faculties of Dental Medicine in the country and abroad.

The collaborations I had with doctors from numerous medical specialties formed the basis of an interdisciplinary collaboration, extremely necessary in the diagnosis and selection of the best therapeutic option in the case of patients in critical or particular medical conditions. The conclusions and experiences gained from these collaborative activities have been widely communicated by including them in the specialized articles and books that I have published.

The topic addressed in the doctoral study, the methodology used and the perspective of being able to continue this direction of study and research, have contributed to the establishment of the field of periodontology as the basic subject of my fundamental research within the medical sciences.

During my PhD, I learned and honed the research skills necessary for a teaching career related to periodontics. In addition, I perfected myself regarding the protocols that ensure an early diagnosis, by establishing the most appropriate methods of clinical and radiological investigations related to periodontal pathologies. Such an early diagnosis is extremely necessary in the case of patients who associate other systemic diseases. The results of my studies were disseminated in the form of articles or communications at congresses and conferences. 29 articles were published in ISI indexed journals with impact factor, and 26 articles in BDI indexed journals. In terms of citations obtained, they are currently 304 in Web of Science. Currently, the Hirsch index according to the Web of Science platform has a value of 10.

My most recent collaboration with the research team of the Faculty of General Medicine, Discipline Diabetes, Nutrition and Metabolic Diseases, National Institute of Diabetes, Nutrition, Metabolic Diseases Prof. Dr. N. Paulescu within the UMFCD, was completed in the form of an article published in a journal that has an impact factor of 3,992 in Web of Science, being also indexed in PubMed.

## **SECTION II**

The second part presents the future research perspectives in which I want to continue my studies starting this year. These directions are partly defined by the main ideas presented in this thesis. I will use the following results as before, that is, to generate conclusions and possible new research directions. The studies will therefore deepen the investigations carried out by me so far, with the intention of further developing new methods and devices for the diagnosis and treatment of patients presenting dental conditions in association with systemic diseases. I propose that the level of education and research I want to reach will allow me to implement new approaches with practical applicability at the national and international level. I would like the results so far and those to come to contribute to increasing the reputation of the university and the hospital where I work.

## **SECTION III**

This section contains all the bibliographic references that we have obtained, improved and updated so far, with the hope that they will contribute to the completion and development of the current medical knowledge.