

CAROL DAVILA UNIVERSITY OF MEDICINE  
AND PHARMACY BUCHAREST  
DOCTORAL SCHOOL  
MEDICINE

MULTIDISCIPLINARY APPROACH IN  
PEDIATRIC PATHOLOGY

HABILITATION THESIS ABSTRACT

CANDIDATE,

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The profession of a pediatrician involves dedication to the health and well-being of children. A pediatrician must have the ability to manage a wide range of health issues affecting children, from developmental disorders to chronic and acute conditions, including infectious diseases which have an increased incidence during childhood.

Effective communication with children and parents is an essential part of this profession. Therefore, the ability to communicate with children, adolescents and their parents in a sensitive and understanding way is essential in a clinical case management algorithm to provide quality medical care. This involves active listening, empathy and the capability to explain a child's health problems and treatments in terms appropriate to the level of understanding of the patient and his family. Additionally, teamwork skills are another important aspect of the pediatrician profession which is specialized in the diagnosis and treatment of conditions specific to children and adolescents, but also in the management of chronic conditions or the prevention of certain diseases.

Moreover, the multidisciplinary approach to some complex cases represents a diagnostic challenge for pediatricians, considering diseases related to pediatric age, congenital pathology and disorders of growth and development. Through collaboration between specialists from different fields, the child can benefit from a complex assessment that covers all aspects of his health, including physical, mental and emotional well-being. A multidisciplinary team can work in this way to develop a personalized treatment plan for each child.

This habilitation thesis represents a description of my professional career, currently as a senior pediatrician and specialist in infectious diseases, Associate Professor at the Department of Pediatrics, Faculty of Medicine, "Carol Davila" University of Medicine and Pharmacy.

This thesis also highlights my active, ongoing involvement in my main research areas, emphasizing, in addition to the results obtained so far, future development plans in the mentioned fields: academic, research and professional.

In my research, I have addressed fundamental topics in the fields of pediatrics, infectious diseases and epidemiology, relevant to the continuous improvement of medical practice. This approach has been recognized and validated through my involvement as project manager in the international influenza surveillance grants obtained through a competitive process: Global Influenza Hospital Surveillance Network (GIHSN) and

Development of Robust and Innovative Vaccine Effectiveness (DRIVE). In addition, my scientific activity includes participation as principal investigator or subinvestigator in clinical trials focused on the development and evaluation of vaccination prophylaxis strategies and therapeutic treatments, as well as in epidemiological studies. These initiatives focus in particular on the investigation and management of viral and bacterial infections, emphasizing their importance to public health.

My academic activity carried out within the Discipline of Pediatrics involved active participation in the guidance of students and resident doctors, the support of courses and practical work, the guidance of students in undergraduate work and the development of didactic materials. I participated in the admission exams and the residency competition organized by "Carol Davila" University of Medicine and Pharmacy, the promotion exams in the specialty of pediatrics and those for obtaining the title of pediatric primary doctor.

As the coordinator of pediatric residency, I continuously evaluate and adapt training programs to reflect the most current and relevant trends in pediatric care. This includes implementing new teaching and assessment methods, as well as promoting research and innovation in medical education. Through this dynamic approach, I ensure that the theoretical and practical training provided to our residents lays a solid foundation for a successful career in pediatrics. The conclusion of my habilitation thesis is intended to be not only a summary of my previous contributions, but also an ambitious projection towards the future of my teaching, professional and scientific activities. My ongoing commitment is to contribute significantly to maintaining and promoting the standards of excellence in medical education offered by the "Carol Davila" University of Medicine and Pharmacy in Bucharest. The development directions of my university career are guided by the belief that medical education must be in constant alignment with the latest scientific discoveries. This entails constantly adapting teaching and assessment methodologies, encouraging students and residents to actively participate in research projects and contribute to the literature, and cultivating an academic environment where critical questioning and exploration of new areas of knowledge are not only encouraged, but also expected.

Thus, my habilitation thesis reflects not only past achievements, but also my vision for a future in which medical education, research and clinical practice are deeply interconnected, contributing to a health system that promotes excellence, innovation and, most importantly, well-being of the patient. I want to convey to students and young doctors the love, the power of work and the dedication needed for this profession.