

ABSTRACT OF THE HABILITATION THESIS
"RESEARCH OF THE PERINATAL MEDICINE IMAGING APPLICATIONS IN THE
STUDY OF FETAL AND NEONATAL NEURODEVELOPMENT"

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The habilitation thesis entitled "Research of the perinatal medicine imaging applications in the study of fetal and neonatal neurodevelopment" is divided into three sections, according to the recommendations CNADTCU Romania and national legislation.

First Section presents the synthesis of my professional, academic, scientific and research activity, including the development stages of my own career and the most important papers published or presented in congresses, conferences and national and especially international symposiums, chapters in treaties and monographs published under international and Romanian publishers, and not least by conducting research work for five grants and clinical trials, the most important being that of project manager of a POSDRU grant entitled "10 steps towards a successful medical career." which was obtained through competition.

In 2013 I presented my doctoral thesis entitled "COMPARATIVE ANALYSIS of fetal and neonatal CRITERIA FOR DIAGNOSTIC AND EVOLUTION IN INTRAUTERINE GROWTH RESTRICTION" at the University of Medicine and Pharmacy "Carol Davila" .

The foundation of this habilitation thesis is based upon the research activity of my doctorate studies, cumulated with my previous training, health, professional, research, scientific and, subsequent , editorial interests.

The publishing and editorial activity is sustained by the appearance of five chapters in international treaties under the editorship of some important names in European and world wide obstetrics, gynecology and ultrasound, of 10 chapters in national treaties and monographs as a co-author, of 37 articles ISI Web of knowledge, a significant number of articles BDI, 69. All this will be presented at the habilitation thesis.

My Professional activity was developed through permanent and continuous participation in numerous training courses and specialization in neonatology, general ultrasound, maternal-fetal medicine and health management.

During 2002-2007 I was the head of the department of neonatology at Elias Bucharest University Emergency Hospital as a delegated chief. After obtaining in 2006 the certificate of complementary studies in health management, I have served as chief of neonatology ward at Elias University Emergency Hospital Bucharest.

Since 2012, the department of neonatology integrated into the Obstetrics and Gynecology Clinic of Elias Bucharest, I started training young resident physicians in neonatology who currently are specialists employed in public and private hospitals .

In 2014 I had My Academic debut as Lecturer Neonatology in the Department of Obstetrics and Gynecology Elias Bucharest University Emergency Hospital. In October 2016 I was promoted to Associate Professor of Neonatology in the same discipline.

Throughout my career I have constantly participated in numerous national and international congresses, both in quality of an invited speaker, as well as in oral presentations or posters.

I am a member of numerous national and international boards for professional scientific societies such as the World Association of Perinatal Medicine's board (WAPM), 2015- present Fetus as a Patient International Society, member of the Neonatal Medical College of Romania, since 2016 Founding Member and Vice President of the Association of Human Reproduction in Romania, Founding Member and Vice President of the Romanian Society of Human Papillomavirus.

I was an invited speaker for 13 international congresses and conferences, 22 national, and also a member of numerous scientific and organization committees for congresses.

I am part of the editorial board of Ginecologia.ro and Gineco.Eu, peer reviewer for Ginecologia.ro and Gineco.Eu publications and I also belong to the Editorial board / Romanian senior editors of the Romanian Journal of Clinical and Experimental dermatology - RoJCED (BDI). From 2015 I am Editor in Chief & Managing Director of Rx Journal.

The second section is devoted to my academic career and to projects for scientific development, based on one hand on my academic, scientific and professional experience, and secondly on the opportunities offered by the collaboration with prestigious clinical centers in the field of Perinatal Medicine, neonatology and obstetrics. My future professional academic activity will focus on training young doctors by targeting the training and development through new knowledge, skills and research oriented towards continue medical education. These goals will be materialized by organizing postgraduate courses, interactive workshops, practical demonstrations, generally orientated toward perinatal medicine, aiming for fetal neurodevelopment research in risk pregnancies.

Future directions will be devoted to maternal-fetal pathology that evolves towards a risk pregnancy.

Fulfilling the research project will be realized through close cooperation that I will have with students, residents, phd students or teachers from the Department to maintain and increase academic excellence and professional standards. Given the experience gained so far in the establishment of multidisciplinary teams involving young doctors, I will continue to access new grants or research and educational projects that will allow me to achieve my professional and academic goals.

The third section contains the most recent and important references, which I used in the development and presentation of this thesis (in order of insertion in the text).