

ABSTRACT OF THE HABILITATION THESIS

To this date, my scientific and research activity includes the following: author and co-author of 7 books and more than 20 book chapters, 18 articles in ISI indexed journals, 4 ISI proceedings papers and 4 proposed for indexation, and approximately 90 articles published in international databases indexed journals. I would also like to mention abstracts published in the supplements of various ISI indexed journals and in the volumes of scientific manifestations identified by ISBN, as well as over 200 communication papers. I was a guest speaker in international and national conferences between 2011 and 2016, and I also had numerous oral presentations and presented academic posters in national and international scientific events.

As an acknowledgement of my scientific activity thus far, I would like to mention that I am the author of five papers honored with national awards and one paper honored with an international award, I was accepted as an affiliate member of the American Academy of Pediatrics (Section on International Child Health), I am a member of the editorial board of 8 journals indexed in international databases and I am a reviewer for 5 ISI journals. I have also applied for and was admitted in 2011 in a workgroup for WHO (Pediatric Gastroenterology Topic Advisory Group), whose objective was to develop a new edition of the International Classifications of Diseases – ICD 11 in the field of pediatric gastroenterology. The activity of this workgroup ended in 2016.

Also in this respect, I would like to highlight that I have a total of 71 citations in international databases (11 ISI).

Thus, I published many manuals for students in Romanian, English and French.

I am currently an attending physician and 4th year gastroenterology resident and earned a total of 8 certificates and skills (pediatric gastroenterology, pediatric endoscopy, ultrasonography). My professional objectives are closely knit with the aforementioned development directions in my postgraduate education activity. In 2012 I earned the Certificate in Healthcare Services Management, the Level II Radiation Safety Practice License, and in 2014 I completed a Project Management training course. In 2015 I was included in the initialization program for ultrasound monitoring of haemophilic arthropathy, a pilot program in our country and which I intend to implement in our geographic region once the necessary skills are acquired.

The habilitation thesis is structured according to national guidelines and according to the National Council for Attestation of University Titles, Diplomas and Certificates (CNATDCU). This work is a synthesis of my personal professional, didactic and scientific research activity between 2005 and 2016.

I believe that preparing, defending and granting of the certificate for the habilitation thesis of a teaching professional or researcher is the highest professional position which confirms the scientific and academic accomplishment of such teaching professional or researcher, while also providing the real prospects of future development.

It describes the research directions approached, divided into three major categories, depending on the initial or subsequent scientific interests: pediatric gastroenterology–pediatric gastrointestinal endoscopy, aspects of pediatric oncology, and interrelations with social pediatrics. The first part of the work includes references to the diagnosis and management of ingested foreign bodies in pediatric medicine, then presents a series of rare lesions discovered by pediatric endoscopists, namely esophageal polyps, complicated or multiple ulcerative lesions, and finally describes rare techniques used in pediatric endoscopy.

The second section presents our studies on the epidemiologic, clinical and therapeutic aspects in various tumors found in pediatric patients, namely rhabdomyosarcomas, insulinomas, sacrococcygean teratoma, and Wilms tumors.

The final part focuses on social pediatrics, a field I have grown more acquainted to in the recent years due to the published papers and the conferences I attended, as well as the research I carried out. This section details both the teenage mothers' phenomenon and the realities of the contemporary Romanian society, such as child abuse.

As far as the prospects for future research are concerned, they focus on the same main directions. In the field of pediatric gastroenterology, I propose to carry out several multicenter studies on the resistance of *Helicobacter pylori* to antibiotics used as part of the first-line therapies, research regarding the involvement of oxidative stress in acute pancreatitis in children, as well as the development of a national program for improving the infrastructure in tertiary centers of pediatric gastrointestinal endoscopy. I also intend to set up cross-border projects approaching the phenomenon of teenage alcoholism, which is associated with other dangerous addictions at this age, as well as with serious long-term pathologies.

My future research and my activity will be committed to ethics, to multidisciplinary and to excellence and dedicated to the wellbeing of our children.

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