

ABSTRACT

The habilitation thesis intitled ***“Contributions to the development of endocrine and metabolic surgery”*** highlights the results of scientific, professional, and academic activity from the moment of obtaining the PhD title and until the present, as well as the development plan for my career in the upcoming period.

Summarizing these accomplishments, after more than 20 years of professional activity, and presenting them in a legible yet academic manner has been a great challenge. I have structured this thesis in the light of my interest in certain fields of surgery, trying to adhere to the norms of CNATDCU regarding its composition. I have focused primarily on those aspects that I considered relevant for the importance and originality of the studied topic; certain “particularities” of this candidacy have determined me to punctually mention some of the accomplishment that preceded the granting of PhD title and which are related to my interest for different subjects and research topics. As suggested by the chosen title, I have focused on one field in which I have been involved more actively in the past years and which has brought me the greatest scientific satisfaction through publishing multiple research articles – the endocrine and metabolic surgery. My activity as a general and vascular surgeon determined me to also consider in the current paper other aspects that I have considered important; therefore, I have included aspects related to esophageal and emergency surgery or vascular surgery, all of which represent fields of interest.

The thesis is comprised of 3 chapters. The ***first chapter*** summarizes the scientific, professional, and academic activity in the period that follows the obtaining of PhD title and up to the present time. Taking into account the “particularity” of my candidacy – the fact that I joined the University at a later stage after a long period

of surgical activity – I made an attempt in the introduction of this first chapter to, on the one hand, “motivate” my initiative to put forward this habilitation thesis, and on the second hand, to “motivate” myself in finalizing this paper. In a subchapter entitled “*The first years, before obtaining the PhD title*” I have shortly presented my professional and scientific accomplishments of the respective period, intrinsically related in my opinion to the following period which forms the basis and purpose of this paper. I have mentioned here my interest in the esophageal surgery, which determined me to choose this subject as a doctoral theme and which has resulted in several publications in the same period. I have reserved the largest share of this first chapter for the endocrine and metabolic surgery; I have developed several sub-topics related to my interest in thyroid cancer and cervical lymphadenectomy surgery, parathyroid surgery and, last but not least, laparoscopic adrenal glands surgery. I have briefly mentioned the professional accomplishments (which I named, perhaps slightly too pretentious, “contributions”) which were in the end the “substance” of multiple publications in this field of endocrine and metabolic surgery, as follows:

- 6 articles in ISI-rated journals, 5 as a first author and 1 as main author; 3 articles were published in different foreign journals
- 8 articles in indexed journals, 7 as a main author
- 5 books and 3 book chapters
- 2 research grants won through competition, both as project director

In this first chapter I have also included accomplishments in other fields of our daily surgical activity, with references to the subsequent publications:

- 12 articles in ISI-rated journals, 10 as main author and 2 as a first author; 9 articles were published in different foreign journals

- 5 articles in indexed journals, 4 as a main author
- 1 book

I closed this first chapter by making several references to the academic activity; starting again from the “particularity” of the aforementioned candidacy, I have mentioned that I am still located on an ascending learning curve in what constitutes my teaching experience, making efforts to adapt on the way to the requirements of a modern education, centered on the student and currently undergoing a restructuring process.

The **second chapter** of this thesis includes my development plan for the scientific, professional, and academic career, where we will try to develop those fields of interest in which we obtained results so far, but also seek to identify new future research themes. I aim to actively participate to the establishment of an Endocrine Surgery Society in Romania and affiliate it quickly to the already established European societies. I also aim to develop myself in the academic activity in parallel with the continuous professional development, introduction of new techniques and development of minimally-invasive surgery.

The **final chapter** of this thesis includes the bibliographic references of the current habilitation thesis, including the personal papers that “motivate” this initiative: 18 articles published in ISI-rated journals (16 as main author and 7 as first author), 6 books and 3 book chapters, 17 articles in other indexed journals, other articles published as abstracts.