

UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE

„CAROL DAVILA”

BUCUREȘTI

ȘCOALA DOCTORALĂ

DOMENIUL MEDICINA



PROMOTING PERFORMANCE

**IN SURGICAL PRACTICE, CLINICAL EDUCATION AND
RESEARCH IN THE SPECIALTY OF PLASTIC, AESTHETIC
AND RECONSTRUCTIVE MICROSURGERY**

REZUMATUL TEZEI DE ABILITARE

(în limba engleză)

CANDIDAT:

Dr. Hariga Cristian-Sorin

Conferențiar

Universitatea de Medicină și Farmacie ”Carol Davila” București

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ABSTRACT

I graduated the Faculty of General Medicine in 1989 and after that I was assigned as a medical intern at the CFR Hospital "Witting", Surgery Clinic, thus continuing my desire to follow a surgical specialty. However, my passion from faculty, Plastic and Reconstructive Surgery, remained the great passion in my soul. The diploma thesis that I defended in 1989, with the title "Post-burn scars of the volar face of the hand", had been carried out at the Clinical Hospital of Plastic and Reconstructive Surgery, the scientific supervisor being Prof. Dr. Agrippa Ionescu. I set out during my internship to use any opportunity that arose to train in this specialty, knowing that this is the one that performs the replantation of amputated segments, which seemed fascinating to me. The chance to enter the specialty appeared in 1991 when the first competition for positions at the "Carol Davila" University of Medicine and Pharmacy (UMF "CD") took place after 1989 and when among the positions put up for competition was a position of Trainer in the discipline led by Prof. Dr. Agrippa Ionescu. My professional career was initially linked to the First Clinic of Plastic and Reconstructive Surgery, led by Prof. Dr. Agrippa Ionescu and later to the Clinic of Plastic and Reconstructive Surgery of the Bucharest Emergency Clinical Hospital led by Prof. Emeritus Dr. Ioan Lascăr.

Although research activity has been a constant concern since the beginning of my studies, during which I published 3 articles. By the end of my doctoral studies, I had published 21 articles in journals in the country, most of them indexed in various databases. After completing my doctoral studies, I can consider that my research activity has evolved to a higher level.

From 2001 to 2006 I was a doctoral student at the Doctoral School of the "Carol Davila" University of Medicine and Pharmacy, under the supervision of Prof. Dr. Corneliu Dragomirescu, developing a thesis entitled "Comparative study of mammoplasty techniques". The thesis was defended in 2006 and in 2007 I obtained the title of Doctor of Medicine. The subject of the thesis was a challenging one, targeting both the aesthetic and reconstructive aspects of breast reconstruction. As part of this study, I performed at the Bucharest Emergency Clinical Hospital among the first (if not the first) "Skin-NAC sparing bilateral mastectomy with immediate reconstruction with implant", at a time when even in the USA this procedure was considered avant-garde. I also developed an easy clinical procedure for evaluating breast volume through linear measurement, based on a complex mathematical calculation of the volume. Another result of the research carried out in the doctoral thesis was a mathematical

method for calculating the ideal breast volume depending on the anthropometric measurements of the person concerned.

I became a specialist in Plastic and Reconstructive Surgery in 1994 and then a senior specialist in 1999. Later the specialty being renamed Plastic Surgery and Reconstructive Microsurgery (until 2016) and more recently renamed again Plastic, Aesthetic and Reconstructive Microsurgery (after 2017). In year 2000 I obtained the competency in "Pre-Hospital Emergencies".

In the period after obtaining my PhD, I have published a number of 24 ISI articles in various areas of interest, of which 20 are included in this work. 12 of the mentioned articles are as main author and 8 are as co-author. The cumulative impact factor as main author is 29.7. Published research papers are in the fields of basic sciences, tumor pathology, burn pathology, skin defect therapy, microsurgical techniques, breast pathology, antibiotic therapy, advanced technologies and other various fields of plastic surgery. My work has been internationally recognized through the 89 citations of published articles, of which 61 citations in Web of Science. All the topics addressed are closely related to the field of Plastic Surgery and a large part of them have their subject on clinical research. Also, the subsequent articles continue research directions in which I have obtained conclusive results and I propose to continue in the same way in the future.

The scientific activity carried out led to obtaining an H-index of 6. In the 90s I was the founder, editor and technical editor of a Romanian journal indexed by CNCSIS. In addition, I became a reviewer for 7 ISI indexed journals during this time.

I published in the "Surgery Manual for Students of the Faculty of Dentistry", edited by Prof. Dr. Corneliu Dragomirescu, Editura Didactica si Pedagogica, R.A. Bucharest 1998, 2 chapters - one as sole author and one as co-author. I also published as sole author the monograph „Frostbite and trauma due to low temperatures at the” at "Carol Davila" University Publishing House in Bucharest in 2016.

My academic career began in 1991 when I entered the UMF "CD" through a competition, occupying the position of Secondary Assistant Professor at the First Clinic of Plastic and Reconstructive Surgery (currently the "Prof. Dr. Agrippa Ionescu" Emergency Clinical Hospital). In 1994 I occupied the position of Assistant Professor also at the First Clinic of Plastic and Reconstructive Surgery through a competition. I worked in this teaching position until 1996 when I was transferred to the Bucharest Emergency Clinical Hospital due to the reorganization of the First Clinic of Plastic and Reconstructive Surgery. I continued my activity as an Assistant Professor in this discipline until 2008. In 2008, I became Lecturer through

competition also at the Bucharest Emergency Clinical Hospital and continued my activity in this discipline until 2014. In 2014, I was transferred at the request of the UMF "CD" management to the Clinical Hospital of Plastic Surgery and Burns, due to a special situation, because of lack of teaching staff and I was appointed Head of Discipline. I held this position until 2016 when I filled the position of Associate Professor in the same discipline through a competition. I continued my activity in the position of Associate Professor, Head of Discipline at the Clinical Hospital of Plastic Surgery and Burns until at 2017. In that year I filled the position of Associate Professor at the Bucharest Emergency Clinical Hospital through competition. Here I have carried out my teaching activity in the discipline until now. During the pandemic I was appointed responsible for online education in the plastic surgery discipline at the Bucharest Emergency Clinical Hospital. I became Head of Discipline at the Bucharest Emergency Clinical Hospital in 2022, a position that I still hold today.

During my activity so far, I have participated in several research projects, national and international, related to both education and medical activity. 3 of these were related to education (2 international and 1 national) and 3 related to medical activity itself (2 national and 1 international).

Over the years, I have carried out a complex, varied and extremely numerous surgical activity. I would like to mention that in the Bucharest Emergency Clinical Hospital, over 2000 surgical interventions were and are currently being carried out per year. Among these, I can be proud that I was part of the surgical teams of some firsts (transsexualism interventions, interventions in the "Super surgery" category) and I even led teams that achieved firsts (the first or among the first immediate bilateral breast reconstructions).

Considering that this work is supported within the UMF "CD" I designed from the start a SWOT analysis of the institution, starting from its most recent academic performances. For this I started from the saying "In its essence, nature is simple". I took as a starting point the classifications that the institution has, which are getting better every year. Although the university classifications are varied, I preferred for accuracy the final classification "The Times Higher Education" for the year 2024. In this classification, UMF "CD" is ranked 801-1000. According to the data obtained, I determined 10 directions of evolution and development of my academic career that target both me and the university. The overview of university education offers clear objectives that, once achieved, bring a significant increase in the activity quality.