

**“Carol Davila” University of Medicine and
Pharmacy, Bucharest**

Doctoral School

Medicine



**From images to perspectives:
Integrating radiology into the educational framework of clinical anatomy**

SUMMARY OF THE HABILITATION THESIS

CANDIDATE:

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„Carol Davila” University of Medicine and
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BUCHAREST

2025

Scientific activity

Doctoral studies

In November 2006, I was admitted as a doctoral student at the "Francisc I. Rainer" Institute of Anthropology within the Romanian Academy, where I developed, under the coordination of Dr. Cornelia Guja, First Degree Primary Researcher, full member of the Romanian Academy of Scientists, the diploma thesis entitled "Anatomical-imaging and anthropological study on the architectural variability of the temporal pedicle", publicly defended on November 29, 2013.

Research topics developed and studies carried out.

As a result of the research activity that I undertook together with colleagues from the anatomy discipline and from other departments of the Faculty of Medicine, as well as with colleagues from other university centers in the country, I published as lead author 10 articles in ISI Thomson-Reuters indexed journals; as co-author 15 articles in ISI Thomson-Reuters indexed journals; as lead author 12 articles in BDI indexed journals; as co-author 17 articles in BDI indexed journals; as co-author 5 articles in PubMed indexed journals.

Scientometric indices

Clarivate Web of Science: 164 Sum of Times Cited, 7 H-Index.

Researchgate: 179.4 Research Interest Score, 9,995 Reads, 219 Citations, 37 Recommendations

Main areas of scientific research.

The main areas of research that I have followed in the development of published works are:

- The anthropo-imaging study of the skull;
- The anatomical-clinical correlations of the pelvic nerve structures;
- The variability of the cerebral arterial structures and the supraaortic trunks;
- The anatomical-imaging correlations in CT angiography of the heart;
- Anatomy of the suspension structures of the penis, the penile septum and the male urethra;
- Study of the orbit, both through unconventional measurement methods (LASER scanning), and the evaluation of the comparative anatomy between the human and equine skulls.
- Study of the pterygopalatine ganglion and the adjacent vascular-nerve structures;
- Study of the anatomy and physiology of the excretory system and the implications in renal failure and dialysis;

- Contributions to the study of neurodegenerative diseases and neuroimmunology.

Academic activity within university education

Currently, I am employed as a lecturer at the Anatomy Department, within the structure of Department 2 Preclinical – Morphological Sciences of the Faculty of Medicine of the “Carol Davila” University of Medicine and Pharmacy in Bucharest.

From my fourth year until graduation, I joined to the anatomy department as a volunteer instructor, participating under the guidance of Dr. Florin-Mihail Filipoiu, with the endorsement of the head of the department, Professor Alexandru Th. Ispas, both in the teaching activity during practical work and in the dissection of all anatomical regions taught in the first and second years.

I graduated from the Faculty of Medicine in 2004 and in January 2005 I was appointed by competition to the position of junior university assistant, position 50, being employed at the Department of Anatomy, Faculty of Medicine, "Carol Davila" University of Medicine and Pharmacy starting with February 28, 2005.

Starting with October 1, 2007, I was appointed by competition to the position of university assistant, position 43, within the Department of Anatomy, Faculty of Medicine, "Carol Davila" University of Medicine and Pharmacy.

In October 2015, I was appointed through a competitive examination to the position of lecturer in the anatomy discipline of the Faculty of Medicine of the "Carol Davila" University of Medicine in Bucharest, position 15, a position I currently hold.

Under the coordination of Professor Alexandru Ispas, I taught, together with Dr. Laura Stroică and Dr. Adina Baciú, the optional course in medical anthropology, addressed to first-year students of the Faculty of Medicine of the "Carol Davila" University of Medicine and Pharmacy in Bucharest.

Together with Dr. Raluca Tulin, I taught, as a course instructor, between 2015-2019, the optional course on clinical embryology and assisted human reproduction, addressed to 6th year students of the Faculty of Medicine of the "Carol Davila" University of Medicine and Pharmacy in Bucharest.

During these years of activity at the Anatomy Department, I participated in the development of many books.

I coordinated 71 bachelor's and dissertation theses of graduates of the "Carol Davila" University of Medicine and Pharmacy, works that were developed within the anatomy discipline, either fully or in collaboration with the medical imaging center where I work as a doctor.

I coordinated the "Hands-on heart dissection" workshop at the Medical International Conference for Students in 2018, 2020, 2021, 2022 and 2023

Administrative and managerial activities.

Starting in 2011, I was elected a member of the departmental council, of which I am still a member.

Professional activity

In 2005 I began my residency training in the specialty of Radiology-Medical Imaging, within the radiology department of the Bucharest University Emergency Hospital.

I passed the specialist medical exam in the March 2010 session, being confirmed in the specialty by Order of the Ministry of Health no. 1188/2010.

In the June 2016 session, I passed the primary care physician exam in radiology and medical imaging organized by the Ministry of Health, and I was confirmed by the Ministry of Health order no. 985/2016.

Since 2017, I have been the coordinating physician of the radiology-medical imaging department at the "Victor Babeş" Diagnostic and Treatment Center in Bucharest.

Plans for evolution and development of the academic career

As the main future project in my activity within the Anatomy Discipline of the Faculty of Medicine of the "Carol Davila" University of Medicine and Pharmacy, I propose, in accordance with the evolution trend of the discipline, the clinical orientation of the teaching process and the increase in the degree of clinicalization of anatomy in the sense of integrating anatomical notions into the entire form-function and specifying the clinical utility of the acquisition of these notions.

Another main pillar on which I will focus my professional development in the teaching field is to amplify the publishing effort to complete and modernize the curricular bibliography of the Anatomy Discipline by developing books published in both Romanian and English.

I intend to continue my efforts to be part of teams that carry out research projects obtained through competition, both as a team member and as a project director.

None of the objectives I have set for myself can be achieved through personal effort alone, and the success of these goals can only be ensured within the Anatomy Discipline team, of which I am proud to be a part.