

**“CAROL DAVILA” UNIVERSITY OF MEDICINE AND
PHARMACY BUCHAREST
DOCTORAL SCHOOL**

MEDICINE

HABILITATION THESIS



**CANDIDATE:
Nicolae GICĂ MD. PhD.**

Carol Davila University of Medicine and Pharmacy, Bucharest

2023

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**Features, management and rare cases in
Obstetrics and Gynecology**

SUMMARY OF THE HABILITATION THESIS

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The habilitation thesis is mandatory in order to obtain the research doctorate degree. My research and habilitation thesis, "Peculiarities, management and rare cases in Obstetrics and Gynecology" highlight the scientific, academic and professional achievements during my academic career.

I started with my doctoral thesis entitled "Nonobstructive endometriosis and infertility. The study of biological markers involved", at "Carol Davila" University of Medicine and Pharmacy in Bucharest, in 2018, with the two studies: the role of CA-125 in predicting infertility associated with non-obstructive endometriosis and the role of IL-6 and IL-8 in predicting infertility associated with non-obstructive endometriosis followed by different research projects.

My research themes are designed to bring new information through research that addresses an actual problem in the field of obstetrics and gynecology. The thesis is structured in four chapters (scientific activities and achievements, academic achievements, professional achievements and my academic career development plan) and ends with the bibliography and index.

Chapter 1. This section contain the most important activities and scientific achievements carried out during my career, in Obstetrics and Gynecology department of the Faculty of Medicine, University of Medicine and Pharmacy "Carol Davila".

1.1 This first sub-chapter includes an overview of my research activities and achievements, national and international research studies. I was investigator for 2 international studies: "A Multicenter, Double-Blind, Randomized, Parallel-Group, Phase III Study Of The Efficacy And Safety Of Hercules Plus Taxane Versus Herceptin® Plus Taxane As First Line Therapy In Patients With Her2-Positive Metastatic Breast Cancer- MYL-Her3001;NCT02472964" and "A Multicenter, Randomized Trial - Epidemiological evaluation of intrauterine adhesions (IUAs) after hysteroscopic myomectomy by resectoscopy". However all published papers resulting from my research projects are presented together with the research topic they represent.

1.2 In this section I described my editorial activity - editor for monographs and textbooks as main or co-author published in national or international publishing houses.

1.3 In this sub-chapter I presented the scientometric indices describing the impact of my scientific work: consisting in a Hirsch index of 10 and more than 262 citations in ISI Web of Science Core Collection journals and a Hirsch index of 11 and 467 citations according to

Google Scholar. The results of my research projects consist in 54 papers published in ISI journals with IF (from 0,19 to 11), 30 papers as main author and 24 articles as a secondary author. I published 16 articles in ISI journals without IF and more than 148 papers in BDI indexed Journals. My personal impact factor as main author is 65,93. I served as editor for more than 10 journals and I was reviewer for more than 386 papers submitted to more than 141 different ISI-rated or international journals.

1.4 This section presents the affiliation to various national and international professional-scientific societies.

1.5 The last sub-chapter highlight my investigator and reviewer awards, the different certificates of excellence in reviewing, project awards, congress sessions and books awards and managerial distinctions.

Chapter 2 includes my academic activity and achievements, in the present I'm senior lecturer positions. My academic activity consist in: teaching medical students and residents, students workshop's trainer, license thesis coordinator, senior trainer in advanced obstetrical maneuvers, residents coordinator and participation bachelor and residency exams.

Chapter 3 describes my professional career, initially as resident doctor, my international fellowships in gynecologic oncology (Spain, Sweden) and advanced laparoscopy (Belgium), and obstetrics and gynecology consultant.

Moreover, in this section I present the medical activities, my surgical profile, statistical data regarding the medical activity (cesarean sections and operative deliveries, vaginal deliveries, debulking surgery, advanced laparoscopy and vaginal surgery).

Chapter 4 includes my plans for academic career development (students, doctoral students, residents and national/international research development). I have the following general objectives:

- improving teaching skills using interactive methods
- workshops for students and residents
- facilitate the research activity for students and residents besides their compulsory research for their thesis

- facilitate the internships and international fellowships for residents and doctoral students
- development of learning activities through simulation in obstetrics and gynecology

To summarize, my habilitation thesis is a concept of my development project in order to increase my research activity, to recruit young researcher in my team, to create international professional and academic connections that will improve the visibility of our university and the quality of patient care.