

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

**"Therapeutic indication in general surgery - essential element for a
favorable prognosis"**

HABILITATION THESIS SUMMARY

**CANDIDATE:
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The undersigned **Bobircă Florin-Teodor**, Associate Professor in the 10th Department - General Surgery of the Faculty of Medicine, "Carol Davila" University of Medicine and Pharmacy, Discipline of General Surgery, "Dr. I.Cantacuzino" Clinical Hospital, I have a teaching experience of over 12 years in higher education, the field of medicine, sustaining courses and practical work for students of the IV and V years, General Surgery module. In the period 2012-2015 I was employed as Assistant Professor of Surgery for a fixed period, then in 2015, after defending my doctoral thesis with the title "Surgical indication in diabetic foot lesions", I filled the position of Assistant Professor for an indefinite period, through competition. From 2018 I was Lecturer in the same Department, until 2023.

Through this thesis entitled "Therapeutic indication in general surgery - essential element for a favorable prognosis" I propose to carry out a succinct approach to my entire medical, scientific and didactic activity, through an analysis of the most important stages completed and also a projection in the future of the research activity.

Establishing an appropriate surgical indication is vital for ensuring patient safety, optimizing outcomes, and maintaining ethical standards in patient care. Performing surgery with an inappropriate indication may expose the patient to unwanted complications, whereas an appropriate surgical indication ensures that the benefits of surgery outweigh the risks.

The thesis is structured into 5 main chapters, according to the methodology regarding the organization and development of the process of obtaining the habilitation certificate, which capture essential elements of the undersigned's scientific, didactic and academic activity, as well as academic career development plans, aspects related to the ability to coordinate research teams and organize teaching activities.

My scientific activity includes: the publication of numerous articles in ISI Web of Science indexed journals with impact factor (n=39), without impact factor/PubMed (n=26) or BDI (n=38), the publication of monographs (n=2) and book chapters (n=5); participation in numerous national and international congresses and conferences; activation within the Romanian Society of Surgery as Secretary and then Treasurer and within the Romanian Association for the Study and Treatment of Lymphedema as a Founding Member and General Secretary, but also within the European Association of Endoscopic Surgery as a member; carrying out reviews, but also being a member of the editorial board for several national and international journals with impact factor; participant as principal investigator/sub-investigator in 5 international studies.

The teaching activity materialized through sustaining courses and the support of practical sessions for the students of the IV and V years, Faculty of Medicine, but also

through the guidance of more than 40 undergraduate theses, most of them being appreciated with the maximum qualification. Mentoring of residents was also a key point of the educational activity, with 17 residents under my supervision, covering all years of study and several specialties, and who mastered the theoretical and practical surgical basics.

Taking as a starting point my PhD thesis entitled "Surgical indication in diabetic foot lesions" I have developed a monograph "**Particularities of the etiopathogenesis for the diabetic foot**", published by Printech Publishing House, Bucharest, 2018 and in which, over the course of 3 chapters and 12 subchapters we have offered a broad view of the pathogens that make it difficult to respond to treatment, with the objective of identifying the germs that can be present in the lesions, the relationship between them and the type of diabetic foot lesion, the follow-up of the systemic response to their aggression, the antibiotics that show maximum effectiveness, as well as the orientation of the surgical treatment in the context of a patient with at least two pathologies: diabetes and infection.

Together with the collectives of 5th and 10th Departments, Faculty of Medicine, "Carol Davila" University of Medicine and Pharmacy, we contributed to the development of the following book chapters:

- Semiology and practical works for students, M.Beuran, T.Burcoş, Ed.Ilex, Bucharest, 2015, ISBN: 978-973-7928-96-2, Chapter - Acute non-traumatic occlusive abdomen, F.Bobircă, T.Pătraşcu , Chapter - Semiology of the liver, gallbladder, bile ducts, pancreas and spleen, F.Bobircă, T. Patrascu,
- Peculiarities of surgery in diabetics, T. Pătraşcu, H. Doran, Second edition, Ed. Niculescu, 2016, ISBN: 978-973-748-987-6, Chapter I - Surgical complications of the diabetic foot, F. Bobircă, T. Pătraşcu, Chapter VII - Soft tissue infections in diabetics, F. Bobircă, T. Pătraşcu
- Management of rheumatic diseases in pregnancy, Ed Printech, Bucharest, 2022
- Chapter XI - Complex approach to surgical emergencies during pregnancy, in rheumatic pathology - D. Dumitrescu, F. Bobircă, with the following sub-chapters: Imaging in patients with rheumatic diseases, pregnancy and associated surgical pathology, Preoperative evaluation in patients with rheumatic diseases and pregnancy, Acute appendicitis, Symptomatic gallstones, Acute pancreatitis, Intestinal obstruction, Intestinal vasculitis, Entero-mesenteric infarction in patients with antiphospholipid syndrome, Vasculopathy from systemic sclerosis, Vasculitis in systemic lupus erythematosus, Cholangitis, Ovarian torsion

- I partially translated the Minimally Invasive Gynecological Surgery Chapter from the Williams Gynecology Treaty, the Coordinator of the Romanian Edition being Prof. Dr. Radu Vlădăreanu

As a result of the experience gained in the sentinel lymph node surgery, both in breast cancer pathology and for the staging of cutaneous melanoma, I developed as a coordinator the book entitled "**Sentinel Lymph Node Biopsy in Neoplasia**", KF&T Publishing House, 2023. This could be carried out through collaboration with several surgery clinics in Bucharest, but also oncology, internal medicine or nuclear medicine clinics.

I participated as a Guest Editor in the creation of a special issue of Life Journal, MDPI Publishing House, entitled "**Onco-Surgical Treatment of Rectal Cancer: Controversies and Perspectives**". With this special issue we aimed to highlight the importance of the "multidisciplinary team" involved in the treatment of rectal cancer, in obtaining the best results for this delicate and complex pathology.

My activity in the surgical area has been developed in over 15 years of activity, on 5 levels: Surgery of the diabetic patient; Surgery of colorectal neoplasia; Surgery of the sentinel node in breast cancer and skin melanoma; Surgery of breast, endometrial and cervical cancer; Surgery of benign pathology, by classical and laparoscopic methods: parietal, hepato-biliary, splenic, urgency.

From 2024, I am **Head of the 1st General Surgery Clinic, Clinical Hospital Dr. Ion Cantacuzino**, a position from which I contributed to ensuring high standards of surgical care for patients and to the smooth running of medical activity.

As a graduate of Laparoscopic Surgery courses in Great Britain and of the Laparoscopy Course - advanced level organized by the Ministry of Health, I perfected my skills in this field, dealing with cases of high difficulty.

As a graduate of the Oncological Surgery course, I completed the necessary knowledge to practice cancer surgery at the highest standards.

The completed General Ultrasound course contributed to the smooth running of the surgical activity, especially in the case of the intraoperative need to use the ultrasound to elucidate the diagnosis and establish the appropriate therapy.