

**"VICTOR BABEȘ" UNIVERSITY OF
MEDICINE AND PHARMACY TIMIȘOARA
DOCTORAL SCHOOL
MEDICINE**



HABILITATION THESIS

**PRESENT AND PERSPECTIVES IN BASIC
AND CLINICAL RESEARCH IN OBSTETRICS
AND GYNECOLOGY**

A B S T R A C T

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ABSTRACT

The habilitation thesis, entitled "**PRESENT AND PERSPECTIVES IN BASIC AND CLINICAL RESEARCH IN OBSTETRICS AND GYNECOLOGY**" represents the quintessence of my professional, scientific and academic activity, mainly referring to the achievements acquired after the conferral of the Ph.D. in Science title in 2006. The Ph.D. had pregnancy monitoring as the domain of interest and as titled „**CARDIOTOCOGRAPHY IN PREGNANCY-INDUCED OR ASSOCIATED PATHOLOGY./ VALOAREA CARDIOTOCOGRAFIEI IN PATOLOGIA ASOCIATA SI INDUSA DE SARCINA.**" under the coordination of Acad. Prof. Dr. Ioan Munteanu.

The **first chapter** of the thesis includes the main scientific, professional and academic achievements. The first part covers the main areas of research, presenting original studies, books, articles published in ISI or BDI indexed international journals and scientific papers presented at national and international congresses, in the current scientific context of the obstetrics and gynecology domain. In recent years, I have been particularly interested in the research of the following topics: fetal monitoring, maternal-fetal psychosomatics, common pregnancy-associated pathologies.

Since 1997, when I joined the academic team of Victor Babes University of Medicine and Pharmacy Timisoara as a teaching assistant, I have authored and co-authored **38** ISI peer-reviewed articles, **11** IDB peer-reviewed articles, **11** CNCSIS B and B+ peer-reviewed articles, **14** Books published in CNCSIS National Editors and LITO books. My evergreen desire to improve my knowledge and to transfer this acquired knowledge through teaching has offered me the possibility to participate and publish **40** abstracts in International Congresses and Conferences, **26** abstracts in National with International Participation Congresses and Conferences, and **58** abstracts in National Congresses and Conferences.

The **second chapter** of the thesis describes the plans and perspectives for the future and development of the professional, scientific and academic career. A particular interest is related to the research of cardiotocography (continuation of my

Ph.D. Thesis). Obstetrics and Gynaecology residents and students represent the future of Obstetrics and Gynecology in our Department. During their specialization period, they will attend Department's courses, and the training program will consist of the following elements: acquisition of the principles of surgery in the general and theoretical knowledge of anatomy, physiology, pathology, etiology, symptomatology, and treatment of Obstetrics/Gynecology pathologies. The students and the trainees should have access to facilities for simulation-learning - on mannequins. A graded increase in clinical responsibilities and surgical experience will be developed and should be recorded in the logbook. Regarding the academic study of Obstetrics and Gynecology, my plans and perspectives include optimizing the curricula and the current textbook with European Curricula, editing new courses and practical workbooks, continuing the close collaboration with other departments, and involving students in teaching program, both in lectures and experimental works through "lecture-based learning", "problem-based learning," and "team-learning" and to organize courses on specific research topics, curricular classes, summer schools.

Through the future coordination of doctoral theses, I will boost the work of new Ph.D. students and disseminate doctoral research results in the national and international scientific environment, together with increasing the transparency of the University. I will continue to support multidisciplinary, interdisciplinary collaboration, and innovative, evidence-based research in Obstetrics and Gynecology.

The **third chapter** contains bibliographic references used to integrate the research activities described in previous sections.

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