



UNIVERSITY OF
THESSALY



DEPARTMENT OF MEDICINE
FACULTY OF HEALTH SCIENCES
UNIVERSITY OF THESSALY

MSc "Vascular Ultrasound in Diagnosis and Management"

Design and evaluation of learning outcomes

The general orientation of the program aims to ensure that students acquire:

- sufficient knowledge of the basic principles of ultrasound and hemodynamics
- skills to perform diagnostic ultrasound examinations in the vascular system
- ability to interpret the findings of the ultrasound study of vascular diseases
- skills in ultrasound-guided interventional operations

The evaluation of the degree of achievement of the learning outcomes is achieved by the performance of the students in the examinations, the quality of the dissertations, the number of participation in research protocols and assignments, as well as the degree of satisfaction of the students in terms of improving their professional activity. This is achieved both by the institutionalized system of evaluation of the postgraduate program by students and by the annual recording of their participation in research activities.

In the context of the Postgraduate Program, research activity is encouraged by the writing of scientific publications as a result of the preparation of the dissertations. In this way, students are also given the opportunity to acquire the experience to expand their research interests by preparing a doctoral thesis. In addition, opportunities are

provided for interconnection with companies that market ultrasonic systems by informing students about cutting-edge technology.

The theoretical deepening of these issues as well as the review of the international literature helps both in the redefinition of the educational subjects of the program and in the writing of the dissertations and scientific publications, while students are given the opportunity to continue their research activity in the context of a doctoral thesis.

Finally, the Postgraduate Program also contributes to the staffing of the national health system and the administration of the health units of our country with well-trained executives, upgrading the overall health services offered to the community.

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The MSc as a whole, as well as the individual courses will be systematically evaluated in accordance with the proposed procedures and criteria established by the Internal Quality Assurance System of the University of Thessaly and at the same time contribute to its further improvement.

This Postgraduate Program treats an object that is not covered at postgraduate level by any other University in Greece. There is, from the information we were able to obtain, another postgraduate program in Denmark. Correspondingly structured seminars, but not postgraduate programs, are provided by scientific societies and university institutions, which however concern specific sub-objects (venous diseases, carotid disease, etc.) and do not grant a Master's Degree. Those Postgraduate Programs that exist abroad generally concern Medical Imaging and do not focus on vascular diseases.