

ABSTRACT

My name is Mártha Orsolya K. I., MD and since 1998 I am primary doctor in urology, getting my Ph.D.degree in 2003 („The urodynamics of prostate's pathology", UMF Tg Mures, no. 3896, 24.04.2003).

In my habilitation thesis I present my research, academic and professional activity considered relevant as respects to their originality, importance and the research area they cover. From a total of 3 sections the first one presents my accomplishments regarding different thematic directions of my scientific research, academic , professional career, the second section the main landmarks of my own professional, academic and scientific career's development and their possible methods of implementation. The third part contains bibliographical references of the first two sections' content.

Achievements

I.1. Scientific and research activity, achievements

My activity is presented by the following stages:

- **Grants/studies:** 11; project director / main investigator in 7 cases (all international studies) 4 cases- project member/ coinvestigator (2 international and 2 national)
- **Publications:** 14 textbooks (publishers recognised by CNCSIS); 6 lead author, 8 co-author), 12 articles in ISI journals with ISI (9 lead author, 3 co-author) total of 8,348 impact factor , 38 articles published in BDI, B,C journals, (21 lead author, 14 co-author), 34 abstracts published in ISI journals (12 lead author, 22 co-author), 188 studies with abstracts published in ISSN, ISBN abstract books (31 lead author, 157 co-author).

My research activity was rewarded with the following awards:

- 1st prize, Best poster presentation – CEU 2004
- Eugen Proca Medal, 2005
- Member of Honour of Sun Wave Pharma Elite Group, 2010
- Diploma of Excellence , Ministry of Health,Romania, 2015
- Antal Géza Medal, for the entire activity, Budapest, 2016
- 2017 Award of the Romanian Scientific Academy for the publication : Pricop, D. Mischianu, Orsolya Mártha: Cancerul de prostată local avansat si metastazat, Ed. PIM Iasi 2015.

During this period I have become member of the following scientific societies:

- SIU, EAU, ARU – Romanian Urological Society

I am also president of the Romanian Continence Society, board member of the Romanian Urological Society and of the Advisory board of the management of hyperactive bladder, East-Europe. I am medical expert – The College of Physicians Mures, board member of the medical Board and scientific Council of Mures County Hospital.

I.2. Didactic activity, achievements

I have been assistant (1991-2001), senior lecturer (2001-2009), associate professor (2009-2017), professor (2017 till present days), since 2011 I am the chief of Urology Department – M5. My activity consists of teaching urology courses in Hungarian language and coordinating clinical stage for IV. year medical students. I am the coordinator of the Urology Circle and I guided more than 50 license theses. Since 2011, as chief of the Urology Department, I extended my didactical activity towards coordinating residency and since 2012 I participate as lecturer at the Summer School of Urology Residents. I was appointed as referent for in 5 phd thesis, coordinating 4 phd thesis. I absolved 10 postuniversity trainings, I have the following competencies: ultrasonography, Level C1 Tespis for medical English, ESWL, urogynecology. I also participated as guest lecturer at different continuous medical manifestations (total of 26), I took part as a president/member in organising 8 international 9 national conferences, among them I was the president of the 2017 Romuro. My academic career means a participation as coordinator in more than 20 final thesis examination committees, MD-PHD committees. I published 2 handbooks, was co-author of 1 guide of practical courses and 14 urology textbooks.

I.3. Professional activity, achievements

I began my medical activity as a medical intern, after that as resident (1991-1995), specialist (1995-1998) and primary doctor in 1998. I participated in the examination committees for obtaining primary or specialist doctor degree in urology, in examination committees for occupying vacant posts of residency, specialists. In 2012 I was appointed as head of unit. Since 2014 I am member of Commission of College of Physicians of Mures county and member of Medical Council of Mures County Hospital. Till 2015 I was member of Advisory Commission of Ministry of Health.

II. Future plans

II.1. Proposal for development in scientific research

Objectives:

- finding interdisciplinary research themes which throughout the uptake of results can ensure the conditions to access national and international research projects
- develop the relations based on teamwork
- extend national and international cooperation
- Invite associated professors with extensive experience in research
- involving in common projects the best graduates
- promoting good practice in research and students' education in the sense of research ethics
- increasing scientific visibility at the UMF Tirgu Mures

I will continue my organising activity of scientific activities and I will continue to be present in management structures of international scientific societies and collectives.

II.2. Development of educational activity

In the following period my didactic activity will focus on the following objectives:

- Adopting a methodology of modern teaching technique, in line with variations developed in multicultural university environment
- Implementation of an integrative educational curricula
- development of an academic, clear and reachable language used during the teaching activity
- improvement of educational activity by using the E-learning platform
- introducing interdisciplinary aspects which present contingency with the teaching activity
- maintaining the classical version of some practical activities which allow the assimilation of special theoretical information and the development of practical skills of medical students
- coordination of innovative urological theses through an interdisciplinary approach
- organising special lectures within the pale of continuous medical education for residents and medical specialists in urology and gynaecology
- Permanent stimulation and diversification of colleague's activity
- trying to introduce new specialities, for example paediatric urology, urogynaecology

II.3. Development of professional activity

Objectives:

- continue the development of urology in Tirgu Mures.
- develop the avocation and the impact of the Continence Society of Romania

- introducing urodynamic investigations on a large scale
- promoting performance and values of medical and scientific professional activity
- extending the range of post-university lectures for residents, medical specialists and primary doctors
- equip with medical tools and equipment in order to organise practical training and workshop
- introducing new therapeutic procedures: laparoscopic, endoscopic, laser interventions