

ABSTRACT

The abilitation thesis includes the scientific, didactic and professional achievements, after supporting the doctoral thesis (2000). Currently I am Professor of Pneumology Discipline UMF Tg. Mureş and primary pneumologist at Cl. of Pneumology (Mureş County Clinical Hospital).

The abilitation thesis includes 3 sections. Section I covers the scientific, professional, didactic achievements in the field of Medicine, the Pneumology specialty. Section II comprises the evolution and development plan of the scientific, didactic and professional activity. Section III contains the selective bibliography.

Section I

Research projects: We have carried out research projects on UMF funding on prevention and detection of respiratory diseases with high prevalence in the population (TB, lung cancer, COPD, smoking):

A) 3 projects = Project manager with funding for UMF

1) Early detection of broadly-spread respiratory diseases: TB, COPD, LC + anti-smoking education in people at risk (DORUAUTOACTIV - 14,611,500 Lei / No 9619 / 8XII 2004)

2) Study to evaluate the efficacy / safety of oral Gemifloxacin once daily 5 days vs. oral Gemifloxacin 7 days in the mild / moderate CAP (OSCIENT PHARM, 4000 Euro, 9621 / 8XII 2004)

3) Improving the Lung Cancer detection in high-risk individuals through active screening. Increasing smoker education (ABICLINICS, 10.000 Euro / 10.458 / 21.10.2010)

B) Coord. Project "Integrated Ambulator of Cl. of Pneumology bears open to people's health" through the ROMPETROL Group, the Council and the Departamental Hospital. Mures 20.08.2012 (10.000 Euro)

C) Member of epidemiological research projects and training of specialists

1. Lecturer / expert: Quality in pneumology services: POSDRU / 81 / 3.2 / S / 58451

2. COPD prevalence study in Romania (CPSS / MS / SRP spirometry validation 2011-2014)

3. COPD Audit (Europa ERS) (Coordinated by UMF Târgu Mureş 2011-2012)

4. Epidemiological study ML 22607, Epidemiology NSCC2009-2015

D) Publications

1) Books / courses:

- A. First author / author's book 7
- B. Chapters in books CNCSIS - prim author 8
- C. Co-author of guides (ISBN) - 2
- D. Courses / tutors - first author 4, co-author 4

2) Scientific articles (164)

A. ISI in-extenso articles with FI - 6 main author

B. ISI in-extenso articles with FI - 2 co - author

TOTAL FITC (main author + co-author) = 6,447

C. ISI in - extenso like principal investigator 5

D. ISI in extenso with IF - in press – 4 (main author)

E. Articles BDI / B (+) - first author 18, co-author 3

F. Articles B - first-author 8, co-author 3

G. ISI articles in summary at International events 9 first author, 1 co-author

H. Summary articles ISBN first-autor 60, co-author 45

E) Active Participant (Organizer, Chair, Communication) over 80 Congresses / Conferences / Courses

Research directions

1) Prevention, early diagnosis of TB and TB + infHIV (PhD thesis, 5 books, 4 courses, 1 resident compendium, 1 project, 1 ISI, 3 ISI summaries, 12 BDI primaries, BDI summary)

2) Risk factors for COPD, COPD co-morbidities, intensification of disease prophylaxis (EFR competence, 3 books, 2 projects, 6 post-graduate courses, 11 ISI + BDI)

3) Improvement of the BPC diagnosis (risk assessment, clinical examination + BF / CT + anti-smoking education - Competence BF, 3 books, co-author Guides, 2 projects, 2 ISI, 14 BDI, postuniversity courses organizer. Pneumology)

4) Chest Echography (echo competence, 1 book, 2 ISI, 4BDI, 21 in summary, post-graduate courses, acquisition of 2 echographs

5) Somnology (Level I + II competence, first public sleep laboratory in Tg. Mureș, 6th chapter in the first national treaty, 8 post-graduate courses, 3 ISIs and 11 BDIs in extenso / summary

Previous professional activity. I graduated from UMF Cluj with 9,936 and 10 at Diploma (Merit). After graduation and MG physician in 1988 I became a physician resident pneumoftiziologie in Cl. Pneumologie Tg. Mures (contest).

I followed my residency at UMF Cluj and in 1991 I became a specialist in pneumoftiziologie. In 1991: admission examination in UMF Tg. Mures. In 1997: UMF Cluj mayoral exam. In 1998 I became Chief of Department of Pneumology Clinic Tg. Mures (by competition) until 2015.

I have completed 2 internships abroad: a) 3 months at Université Louvain, Belgium; B) 7 months in "Center Hospitalier d'Orange" France. I attended 30 training courses (7 abroad).

Competence: Somnology Level I + II, Echography, Respiratory functional tests, Bronchoscopy, Information Technology (Master Petru Maior), Master Management Sanitary (Faculty of Social Assistance Bucharest), tabacic withdrawal; GCP English PROFEX (B2 / C1); French language (C1).

I was a member of the Pneumology Committee of Romanian Ministry of Health 2000-2010 + Internal Committee CJM 2013-2017; National Pulmonology Committee CJM 2013-2017; Dept.Commission Of Oncology.

Previous didactic and academic activity. I have completed the stages of education and training of university professors: 1991 Assistant Professor, 1996 Head of Works; 2003 Lecturer; 2005-2017 Professor at the Department of Pneumology UMF Tg. Mures.

Teaching (students and residents – General Medicine, dentistry, AMG - nurses, BKF):

A. Course / Internship: Pneumology MG, Romanian section 1991-2017, English section 2013-2017; AMG Romanian, BKF2012-2015

B. Theoretical / practical exams

C. Resident Coordinator for Pneumology (>70) and Traineeships in Pneumology for Other Specialties

D. Postgraduate courses for residents / specialists >30 courses

E. Teaching materials editor

F. I have implemented new study techniques with students in the frame of **Curriculum Reform** and CBL, TBL, Hands-on **Pilot Discipline**

G. I developed several medical fields (bronchoscopy, ET, RFTs, PG)

Academic functions:

- 1) Chief of Department of Pneumology UMF Tg. Mures 1991-2017
- 2) Member of M4 Department Board 2012-2015
- 3) Member of Revue Pneumologia (RRS) 2009-2017
- 4) Referent /president of the committee of examiners for UMF positions 2009-2017
- 5) Member of the examining boards / PhD students' papers >25
- 6) Reviewer for Acta Medica Marisiensis and Pneumologia
- 7) Chair of the Examination Commissions (2007-2017 specialist, 2008-2011, 2016, 2007-2011)
- 8) Writing questions in the subject of Pneumology License / Residency Exams
- 9) I coordinated 37 License Works

Section II

Section II includes development and development plans:

1. Developing through Pneumology Disciplines research teams in respiratory sleep disorders, lung cancer (involving doctoral students)
2. Integrated Center of Somnology Excellence (+ telemedicine) for OSA and NIV
3. Electronic database registers (lung Cancer, COPD)
4. Development and modernization of didactic activity with the involvement of students in research and practical activities at the UMF Simulation Center, Pneumology Circle. I will develop the implementation of modern techniques of the Pilot Discipline: Case based learning CBL, Team Based Learning TBL, Hands-on
5. Organizing Interdisciplinary Conferences for Residents