

D. Curriculum vitae

Conf. Art. 14 din M-C)



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a. Informații despre studiile efectuate și diplomele obținute

1971 - 1983	Scoala generala si liceul, actual „J. W. Goethe” cu limba de predare germana, Bucuresti Diploma de Bacalaureat
1983 - 1989	Facultatea de medicina generala UMF „Carol Davila” Bucuresti, promotia 1989

Diploma de doctor-medic

b. Informatii despre experienta profesionala si locuri munca**b.1. Activitate clinica**

- Incepind cu 01.02.2008 **Profesor universitar si Extraordinarius in specialitatea de chirurgie toracica la Universitatea „Friedrich-Alexander“ Erlangen-Nürnberg,
Seful departamentului de chirurgie toracica a clinicii universitare Erlangen, Germania**
- 01.08.2007 – 31.01.2008 **Medic primar coordonator (Leitender Oberarzt), Seful sectiunii de chirurgie toracica a clinicii universitare RWTH-Aachen, Germania**
- 01.10.2001 – 31.07.2007 **Medic primar (Oberarzt) in cadrul clinicii de chirurgie toracica si cardio-vasculara a universitatii RWTH-Aachen, Germania
Infintarea si devoltarea sectiunii de chirurgie toracica in cadrul clinicii universitare**
- 1.10.1994 – 31.09.2001 **Medic asistent si ulterior specialist (Facharzt) de chirurgie toracica si cardiaca la in cadrul clinicii de chirurgie toracica si cardio-vasculara a universitatii “Georg August” Göttingen, Germania**
- 1.01.1993 – 31.09.1994 **Bursier DAAD (Deutsches Akademisches Austauschdienst) la clinica de chirurgie toracica si cardio-vasculara a universitatii “Georg August” Universität Göttingen, Germania**
- 20.01.1991 – 30.09.1994 **Preparator universitar la clinica de chirurgie toracica, UMF „Carol Davila” Bucuresti, Institutul „Marius Nasta”**
- 1.02.1990 – 19.01.1991 **Medic stagiar la spitalul clinic Fundeni Bucuresti**

h.2 Diplome si autorizatii de specialitate clinica

20.01 1994	Medic specialist chirurgie toracica, prin ordinul Ministerului Sanatatii Romania 240/18.02.1994 (Diploma specialitate)
1994 si 1998	Chirurgie toracica endoscopica (BASIC 1994, Advanced 1998) European Surgical Institute, Hamburg, Germany
1995	Medicina de urgenta (module A - D), Germania
10. 05. 2000	Medic specialist chirurgie cardiaca Germania, camera medicilor (Ärzttekammer) Niedersachsen (Diploma specialitate)
28. 06. 2000	Medic specialist European chirurgie cardiovasculara (European Board of Cardiovascular Surgeons). Titlul de specialitate: FETCS (Fellow of the European Board of Thoracic and Cardiovascular Surgeons
24.07.2002	Medic specialist chirurgie toracica Germania, camera medicilor (Ärzttekammer) Niedersachsen (Diploma specialitate)
28. 10. 2002	Medic specialist European chirurgie toracica (European Board of Thoracic Surgeons). Titlul de specialitate: FEBTS (Fellow of the European Board of Thoracic Surgeons
31.10.2005	Medic specialist chirurgie cardio-toracala, Elvetia
07.11.2007	Medic specialist chirurgie cardio-toracala, Olanda/Niederlande
15.01.2008	Autorizatie de pregatire/formare medici in specialitate chirurgie toracica, camera medicilor (Ärzttekammer) Nordrhein, Germania

- 26.04.2010 **Autorizatie de pregatire/formare medici in specialitate chirurgie generala, camera medicilor (Ärzttekammer) Bavaria, Germania (24 luni)**
- 08.05.2017 **Autorizatie de pregatire/formare medici in specialitate chirurgie toracica, camera medicilor (Ärzttekammer) Bavaria (Autorizatie Nr. B43354), Germania**

b.3 Activitate universitara

- septembrie 1989 **Lucrare diploma UMF „Carol Davila” Bucuresti**
Tema: „Precursorii melanomului malign”. Titlu obtinut Doctor medic
- 2000 – 2001 **Studiu de didactica la Universitatea Göttingen „Teachers Training”**
11. 07.2005 **Abilitare la RWTH-Universität Aachen, Germania, obtinerea „Venia legendi” pentru specialitatea chirurgie toracica si cardiovasculara.**
Tema lucrarii de abilitare: „Induktion hyperzirkulatorischer Kreislaufreaktionen durch die systemische Wirksamkeit kristalloider Kardioplegielösung unter Berücksichtigung verschiedener venöser Kannülierungsverfahren nach aortokoronarem Bypass” Lucrare publicata in ISI
Tema probei didactice de habilitare: „Reconstructia traheala indicatii, tehnici moderne de inlocuire”
- 13.01.2009 **Doctorat la RWTH-Universität Aachen, Germania**
Tema de doctorat: „Die chirurgische Behandlung des nicht-kleinzelligen Lungenkarzinoms in hohem Alter: Erfahrungen über 15 Jahre”, Lucrare publicata in ISI
Obtinerea titlului de Doctor in stiinte medicale (Dr. med.)
- 01.02.2008 **Numire prin concurs universitar international in functia de profesor universitar si extraordinarius in specialitatea de chirurgie toracica**

la universitatea „Friedrich-Alexander“ Erlangen-Nürnberg,
Germania

02.03.2017 Doctor Honoris Causa, UMF Craiova

b.4 Apartenente in societati profesionale

Deutsche Gesellschaft Thoraxchirurgie
Deutsche Gesellschaft Pneumologie
European Society for Thoracic Surgery
European Association for Cardio-Thoracic Surgery
International Association for the Study of Lung Cancer
Society of Thoracic Surgeons
Berufsverband Deutscher Chirurgen
Bayerische Chirurgische Gesellschaft
Deutsche Krebsgesellschaft und AOT
CWIG - Chest Wall International Group

b.5 Activitate in societati profesionale si universitare

din 2006 Examinator universitar pentru examenele din sectiunea a treia a examenului medical conform regulamentului privind dreptul de libera practica medicala din Germania (ÄAppO)

2008-2021 Membru reprezentant cu drept de vot al departamentului de chirurgie in consiliul profesoral al Universitatii „Friedrich-Alexander“ Erlangen-Nürnberg, Germania

2011-2014 Purtator cuvânt al chirurgilor universitari in cadrul societatii germane de chirurgie toracica

2011-2014 Membru in consiliul de administratie al AOT al Societății Germane de Cancer

2013- 2018 Reprezentantul Germaniei (Regent) in ESTS (European Society for Thoracic Surgery)

- din 2010 Evaluator profesional de chirurgie toracia in cadrul camerei medicilor Bavaria, Germania
- din 2008 Evaluator profesional de chirurgie toracia in cadrul comisiei de arbitraj pentru probleme de raspundere medicală; Hanovra, Germania
- 24.04.2018 Membru al comisiei de examinare pentru pECIALITATE/domeniul „Chirurgie Toracia“, Camera Bavareza a Medicilor, Germania

c. informații despre proiectele de cercetare - dezvoltare pe care le-a condus ca director de proiect și granturile obținute, indicându-se pentru fiecare sursa de finanțare, volumul finanțării și principalele publicații sau brevete rezultate;

In anexa sunt prezentate (inclusiv in format electronic) in limba engleza principalele proiecte de cercetare si publicatii, publicate in raportul oficial 2021 al Universitatii „Friedrich Alexander“ Erlangen-Nürnberg, Germania.

UNIVERSITY HOSPITAL

Department of Surgery

Division of Thoracic Surgery

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Prof. Dr. med. Dr. h.c. Maria Sirbu

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Research focus

- Surgical therapy of hyperhidrosis – a prospective quality control study
- Surgical management of pulmonary metastases from colorectal cancer
- Deep intrathoracic vacuum therapy in septic thoracic surgery
- Immunological and molecular characterization of malignant lung tumors
- Neoadjuvant therapy of locally advanced non-small cell lung carcinoma (NSCLC), simultaneous radiochemotherapy followed by surgery
- The impact of patho-histologic response following neo-adjuvant radiochemotherapy in locally advanced non-small cell lung cancer
- Prognostic effect of „Salvage“ resection in locally advanced non-small cell lung cancer
- The value of the systematic extensive lymph node dissection in the operative treatment in non-small cell lung cancer
- Pulmonary resection with parietal pleuroctomy (WRPF) versus parietal pleuroctomy (PP) for the treatment of primary pneumothorax
- Functional analysis of human dendritic cell subpopulations

Structure of the Division

Professorship: 1

Personnel: 11

- Doctors (of Medicine): 7
- Scientists: 7 (three funded externally: 0)
- Graduate students: 3

Clinical focus areas

- Gentle surgical techniques for lung cancer, lung tumors
- Successful treatment of pathological sweating (hyperhidrosis)
- Video-assisted correction of chest deformations, e.g. pectus excavatum

Research

The research focus of the Division of Thoracic Surgery is to research innovative therapies for operative pulmonary and thoracic diseases to develop new clinical treatment concepts. Furthermore, experimental immunological projects with samples from the lung and human

lymphoid organs are carried out within the framework of the cooperation with other divisions and departments.

Surgical therapy of hyperhidrosis – a prospective quality control study

PI: Dr. D. Trufa, Prof. Dr. H. Sirbu, M. Haj Khalaf
Video-assisted thoracic sympathectomy is a widely accepted approach in the therapy of palmar and axillary hyperhidrosis. Long-term postoperative results are very heterogeneous. In this trial, we analyze the long-term patient satisfaction with a questionnaire specially designed by the Division of Psychosomatics and Psychotherapy.

Surgical management of pulmonary metastases from colorectal cancer

PI: Prof. Dr. H. Sirbu, Dr. W. Dudek
Although resection of solitary lung metastases is widely accepted, pulmonary resection for multiple or bilateral metastases is still under discussion. This monocentric, retrospective study analyzes clinical data, prognostic factors, and long-term follow-up after surgical treatment of pulmonary metastases from colorectal cancer.

Deep intrathoracic vacuum therapy in septic thoracic surgery

PI: Dr. W. Dudek, Prof. Dr. H. Sirbu
Vacuum therapy leads to a significant improvement in the local therapy of infected wounds. The aim of this study is to examine the clinical short- and long-term results of this therapeutic method in deep infected wounds, e.g. pleural empyema.

Immunological and molecular characterization of malignant lung tumors

PI: Prof. Dr. S. Fanotto (Division of Molecular Pneumology), Dr. D. Trufa, Prof. Dr. H. Sirbu
The aim of this research project is to investigate the immunological and molecular basis. The focus within this project are the malignancies that become visible in the lung, especially non-small cell lung cancer (NSCLC). These parameters are then correlated with the clinical findings. Before the surgery, the clinical data (age, height, weight, sex, nutritional status, smoking and occupational history, family history, etc.) are acquired. After the surgery, some samples from resected lung tissue and from removed lymph nodes are analyzed in the laboratory. From the single cell suspension, various cell subpopulations, such as isolated CD4+ or CD8+ T cells, are taken in culture. The cultured cells are then analyzed in different ways (e.g. FACS analysis, ELISA, PCR, etc.). RNA and DNA are isolated, too, which can then be used for epigenetic studies, microarray analysis, and RNA expression analysis. Finally, the proteins can be isolated and analyzed.

Neoadjuvant therapy of locally advanced non-small cell lung carcinoma (NSCLC), simultaneous radiochemotherapy followed by surgery

PI: Prof. Dr. H. Sirbu, Dr. D. Trufa, Prof. Dr. R. Fietkau (Department of Radiation Oncology)
In this trial, we compare the therapy concept of neoadjuvant radiochemotherapy (45Gy/Cisplatin, Etoposide), followed by surgery, with the concept of definitive radiochemotherapy in patients with locally advanced, non-small cell lung carcinoma stadium IIIA.

The impact of patho-histologic response following neo-adjuvant radiochemotherapy in locally advanced non-small cell lung cancer

PI: Prof. Dr. H. Sirbu, Prof. Dr. B. J. Raker (Institute of Pathology)
The purpose of the study is the analysis of patho-histologic response of the primary tumor following neo-adjuvant chemoradiation therapy and the long-term impact on survival in order to identify the predisposing factors for survival improvement in patients with locally advanced non-small cell lung cancer.

Prognostic effect of „Salvage“ resection in locally advanced non-small cell lung cancer

PI: Prof. Dr. H. Sirbu, Prof. B. Fietkau (Department of Radiation Oncology)
The study purpose is the prognostic effect and impact on local tumor control due to the „Salvage“ surgery for local recurrence and/or persisted primary tumor despite definitive radiochemotherapy in patients with primary inoperable locally advanced non-small cell lung cancer.

The value of the systematic extensive lymph node dissection in the operative treatment in non-small cell lung cancer

PI: Prof. Dr. H. Sirbu, Dr. D. Trufa
The purpose of the study is the investigation of the extensive lymph node dissection under consideration of the lymphatic metastasis pathways and the improvement of the lymph node staging.

Pulmonary resection with parietal pleuroctomy (WRPF) versus parietal pleuroctomy (PP) for the treatment of primary pneumothorax

PI: Prof. Dr. H. Sirbu, Dr. W. Dudek
Prospective randomized multicenter clinical trial which compares two established surgical procedures (WOPF study). The aim of the study is to analyze the pneumothorax recurrence rate within the first 24 months after surgical procedure: Parietal pleuroctomy with apical lung resection (WRPF) or parietal pleuroctomy (PP). Funding: DFG.

Functional analysis of human dendritic cell subpopulations

PI: Prof. Dr. D. Dudziak (Department of Dermatology), Prof. Dr. H. Sirbu
The main scientific focus of the research group of Prof. Dr. D. Dudziak is the characterization of Dendritic cells (DCs) and the initiation of specific T cell immune responses. These studies are being conducted both in the murine and the human setting. First detailed phenotypic and functional analyses of DC subpopulations have been

performed with various human lymphoid tissues (spleen, blood, thymus, bone marrow, cord blood, tonsils) and were recently published) in a collaborative research project with Prof. Dr. H. Srbu, comparative analyses of the development of different immune cells were extended to other human organs, such as lymph nodes, blood, lungs, and adult thymus. The latter shows residual activity of T cell development, despite a progressed thymic involution. Of note, the analysis of the phenotype and function of the DC subpopulations in various human tissues of the very same donor is of high value, in order to account for the high degree of inter-individual variance.

Teaching

For medical students, the Division of Thoracic Surgery offers current lectures on relevant topics (malignant pulmonary disease, pneumothorax, pulmonary emphysema, pleural empyema, trauma, etc.), an interactive EKM course (introduction into clinical medicine) and offers the possibility of hospitalization on the ward, in the ambulance, and in the operation room of thoracic surgery. The applicants for the practical year in thoracic surgery are given special knowledge (participation to medical thoracic conferences/boards, conduct an interview, preparation of a treatment plan and discussion with the tutor, learning of special aspects of risk medical informing, presentation of the patient during the medical visit, active participation in the operating room). Furthermore, in the Division of Thoracic Surgery supervises Bachelor's, Master's as well as MD theses.

Selected publications

Dudek W, Schreiner W, Mykoluk I, Higazi M, Srbu H. Pulmonary metastasectomy for sarcoma: survival and prognostic analysis. *J Thorac Dis* 2019 Aug 11;8(1):3369-3376. doi: 10.21037/jtd.2019.08.10

Schreiner W, Ludolph I, Dudek W, Horch RE, Srbu H. Negative Pressure Wound Therapy Combined With Instillation for Sternoclavicular Joint Infection. *Ann Thorac Surg* 2020 Nov 11(05):1722-1725. doi: 10.1016/j.athoracsur.2020.04.037.

Dudek W, Al Mousa E, Schreiner W, Mantsopoulos K, Srbu H. Survival and Prognostic Analysis after Pulmonary Metastasectomy for Head and Neck Cancer. *Thorac Cardiovasc Surg* 2020 Jun 19. doi: 10.1055/s-0040-1713112

Schreiner W, Mykoluk I, Dudek W, Srbu H. Impact of Selective Quality of Life Analysis in Patients with Local Hyperhidrosis after Sympathicus Clipping. *Zentralbl Chir* 2019 Apr;144(2):139-145. doi: 10.1055/s-0008-5003

Heim L, Kächler R, Sigmund R, Trufa D, Mittler S, Geppert C, Friedrich J, Rieker RJ, Srbu H, Finotto. Increased expression of the immunosuppressive interleukin 35 in patients with non-small cell lung cancer. *Br J Cancer* 2019 Apr;120(9):903-912. doi: 10.1038/s41416-019-0444-3

Schreiner W, Dudek W, Rieker RJ, Lettmann S, Fetzka R, Srbu H. Major Pathologic Response after Induction Therapy Has a Long-Term Impact on Survival and Tumor Recurrence in Stage IIIA/B Locally Advanced NSCLC. *Cardiovasc Surg* 2020 Oct;68(7):639-645. doi: 10.1055/s-0039-1679884

Alte proiecte:

- ca. 15000 Euro/anno venituri din proiecte sponsorizate de Industrie (cont-stiintific)
- Proiecte de cercetare translationale cu IZKF-Erlangen Prof. Finotto project (II.-35) ½ pozitie cercetare laborator 5 ani
- Proiect studiu: Caini detectori de cancer/nas electronic (Krebsspürhunde) ca. 30000 Euro Siemens

d. Informații despre premii sau alte elemente de recunoaștere a contribuțiilor științifice ale candidatului.**Coordonari doctorate absolvite:****2017 Wojzek Dudek**

Tema doctorat : 42-jährige Erfahrung in der chirurgischen Behandlung des pulmonal metastasierten kolorektalen Karzinoms"

2018 Juri Mykoliuk

Tema doctorat: Lebensqualitäts-Analyse nach endoskopischem Sympathikus-Clipping bei lokalisierter Hyperhidrose:Methoden, Ergebnisse und Einflussfaktoren

2021 Patrick Friedrich

Tema doctorat: Das oligometastasierte nicht-kleinzellige Lungenkarzinom – Stellenwert der chirurgischen Therapie und prognostische Faktoren

2021 Moustafa Higaze

Gesundheitsbezogene Lebensqualität vor und nach einer chirurgischen Trichterbrustkorrektur
Langzeitergebnis der MIRPE bei Erwachsenen

Coordonari abilitari absolvite**2018 Dr. Waldemar Schreiner**

Tema: Das lokal fortgeschrittene nicht-kleinzellige Lungenkarzinom: innovative chirurgische Therapieverfahren, Ergebnisse und prognostische Faktoren

2021 Dr. Wojzek Dudek

Tema: Thorakale Metastasektomie in der Ära der modernen multidisziplinären Therapie

Coordonari profesori desemnati

2020 PD. Dr. Waldemar Schreiner

Profesor universitar desemnat de chirurgie toracica la Frankfurt University,

16.02.2022 Decizie recunoastere a calitatii de conducator de doctorat/abilitarii la UMF „Carol Davila“ din Bucuresti