



Curriculum vitae

Name: Ionela Mihaela ERHAN

Field of competence / Profession: Pulmonologist MD, PhD student

Areas of interest within: Sleep Breathing Disorders and Non-invasive ventilation, Lung cancer

Professional experience:

- October 2019- present- Pulmonologist MD at Central Military Emergency University Hospital „Dr. Carol Davila”, Bucharest
- July 2019-present: Consulting Pulmonologist at Neolife Medical Center Bucharest
- October 2017- October 2019: Pulmonologist MD at Cardif Pneumology Medical Assistance, Bucharest (pre bariatric surgery evaluation in obese patients: cardiorespiratory polygraphy, spirometry, body plethysmography, CPAP therapy)
- January 2019 - resident doctor in the second speciality: Medical Oncology
- July 2017-present: Pulmonologist MD (promotion of national examination in March 2017, head of promotion)
- October 2014- present: PhD student of UMF "Carol Davila" Bucharest, with theme: „Diagnostic and therapeutic dilemmas in lung cancer Romanian patients”
- November 2013-May 2014: resident at Nouvel Hopital Civil Strasbourg, France, Department of Oncopulmonology,
- January 2013 - July 2017: resident in the specialty of Pneumology at the National Institute of Pneumology "Marius Nasta", Bucharest

Education and Training:

- 2002-2006 - Theoretical high school "Dragoș Voda", Cîmpulung Moldovenesc, Suceava county, Mathematics-Informatics profile

- 2006-2012- "Carol Davila" University of Medicine and Pharmacy, Bucharest, Faculty of General Medicine,
- January 2013 - July 2017: Resident in the specialty Pneumology with training center National Institute of Pneumology "Marius Nasta", Bucharest, with the following training stages: Pneumology (Pneumology, Bronchoscopy Cardiology (Emergency Center for Cardiovascular Diseases Academician Vasile Căndea, Bucharest), Radiology (Radiology section, National Institute of Pneumophysiology Marius Nasta, Bucharest), Anesthesiology and Intensive Care, Allergology (Department of Allergology and Clinical Immunology, Clinical Hospital Nicolae Malaxa, Bucharest), Infectious Diseases, (National Institute of Infectious Diseases Matei Balș, Bucharest), Epidemiology, Medical Bioethics, UMF Carol Davila, Bucharest)
- Certificate of competence in Bronchoscopy from November 2017
- Certificate of competence in Sleep Breathing Disorders from November 2019

Scientific and research activity:

- PhD student of UMF "Carol Davila", Bucharest with theme: "Diagnostic and therapeutic dilemmas in lung cancer Romanian patients "
- member of the IASLC (International Association for the Study of Lung Cancer)
- attendee in the "Critical Insights on Mutant-Specific Epidermal Growth Factor Receptor Inhibitors for NSCLC" symposium Denver, CO, September 7, 2015
- attendee at the symposium "Expert Practice in lung cancer", December 5, 2015, Barcelona, Spain
- attendee in the Expert Practice Symposium in Chronic Lymphocytic Leukemia "A Deep Dive Into the Disease", April 22, 2017, Barcelona, Spain
- member of the Romanian Pneumology Society (SRP)
- member of European Respiratory Society

Scientific communications:

a. in the field of Sleep Breathing Disorders and Non-invasive Ventilation:

- I. Erhan, A. Muntean, A. Cocieru, E. Karabal, D. Zaharia, S. Dumitrache-Rujinski, M.A. Bogdan, "*The relationship between the Oxyhemoglobin Dysaturation Index and the QT interval in patients with Obstructive Sleep Apnea Syndrome (SASO)*", Congress of the Romanian Pneumology Society, October 8-11, 2014, Sibiu, Romania
- A. Muntean, I. Erhan, A. Cocieru, E. Karabal, D. Zaharia, S. Dumitrache-Rujinski, M.A. Bogdan, "*Analysis of the existence of neurovegetative dysfunction through the*

correlation of hypopnea apnea index with QT interval in patients with sleep apnea syndrome", Congress of the Romanian Pneumology Society, October 8-11, 2014, Sibiu, Romania

- S. Dumitrache-Rujinski, I. Erhan, G. Calcaianu, A. Cocieru, I. Dinu, D. Zaharia, C.Toma and M. Bogdan, "*Insulin Resistance and Nocturnal Oxyhemoglobin Levels in Obese Patients With Obstructive Sleep Apnea*", Chest. 2014; 146 (4 Meeting Abstracts): 956A. doi: 10.1378 / chest.1993466, Austin, Texas
- I. Erhan, S.Dumitrache-Rujinski, D. Zaharia, A. Muntean, A. Cocieru, E. Karabal, M.A. Bogdan, "*Cardiovascular risk assessment in the patient with SASO: relationship of QTc interval - Desaturation Index - AHI*", Conference of Pneumologists Residents 4th edition, December 19-20, 2014, Sibiu, Romania
- S. Dumitrache-Rujinski, I. Erhan, A. Muntean, D. Zaharia, M. Bogdan, "*Nocturnal oxyhaemoglobin level and pulmonary function in patients with morbid obesity and sleep apnea syndrome*", Congress of the University of Medicine and Pharmacy "Carol Davila", 3rd edition, May 28-30, 2015, Bucharest, Romania
- I. Erhan, C. Gigea, A. Sora, A. Muntean, D. Zaharia, S. Dumitrache-Rujinski, "*The Relationship between Insulin Resistance, Sleep Apnea Syndrome and Systemic Hypertension*", Somnology Conference, 11 -June 13, 2015, Braşov 2015
- S. Dumitrache-Rujinski, I. Erhan, A. Cocieru, I. Butuc-Andreescu, A. Muntean, D. Zaharia, C. Toma, MA Bogdan, "*Apnea Hypopnea Index, Oxygen Desaturation Index and QTc interval in Obstructive Sleep Apnea*", Chest. 2015; 148 (4 Meeting Abstracts): 1056. doi: 10.1378 / chest.2281009, October 25-28, 2015, Montreal, Canada
- S. Dumitrache-Rujinski, I. Erhan, C. Stroescu, I. Butuc-Andreescu, A. Cocieru, A. Muntean, S. Merisor, B. Paraschiv, D. Zaharia, M. Bogdan, „*Apnea Hypopnea Index and different cut-off values for defining Oxygen Desaturation Index in patients with morbid obesity* ", Congress of the University of Medicine and Pharmacy“ Carol Davila "4th edition, June 2-4, 2016, Bucharest, Romania
- C. Stroescu, S. Dumitrache-Rujinski, I. Erhan, C. Delcea, D. Zaharia, I. Pele, M. Bogdan, "*Severe OSAS, obesity and physical exertion capacity*", National Conference of Respiratory Pathophysiology, 9 -11 June 2016, Cluj, Romania
- C. Stroescu, S. Dumitrache-Rujinski, C. Delcea, I. Erhan, D. Zaharia, M. Bogdan, "*Apnea Hypopnea Index, nocturnal oxyhemoglobin levels and cardiovascular risk in patients with severe sleep apnea*", 15th European Congress of Internal Medicine, 2-3 September 2016, Amsterdam, The Netherlands
- C. Stroescu, S. Dumitrache-Rujinski, O. Spinu, I. Erhan, M. Deaconu, I. Pele, M. Bogdan, "*Obstructive Sleep Apnea, left ventricle function and exercise capacity*", Congress of the Romanian Pneumology Society, October 5-8, 2016, Poiana Brasov, Romania

- S. Dumitrache-Rujinski, D. Zaharia, A. Sora, C. Gigea, I. Erhan, A. Muntean, A. Cocieru, C. Toma, M. Bogdan, "*Nasal flowmetry as a screening method in obstructive sleep apnea*" Chest. 2016; 150 (4_S): 1274A doi: 10.1016 / j.chest.2016.08.1388, October 22-26, 2016, Los Angeles, California
- C. Stroescu, S. Dumitrache-Rujinski, I. Erhan, C. Gigea, I. Pele, M.A. Bogdan "*Exercise capacity, obesity and systemic inflammation in severe obstructive sleep apnea*", 4th Sleep and Breathing International Conference, 6-8th April 2017, Marseille, France
- I. Erhan, S. Dumitrache-Rujinski, C. Stroescu, C. Ene, "*Non-invasive ventilation in thoracic restrictive pathology: basics*", Young Respiratory Academy, April 27-28, 2017, Bucharest, Romania
- C. Stroescu, S. Dumitrache-Rujinski, V. Stroescu, I. Erhan, A. Croitoru, M. Bogdan, "*Overlap of Attention Deficit and Hyper-reactivity Disorder with Obstructive Sleep Apnea Syndrome*", 1st Eastern European Conference of Mental Health, May 13, 2017, Galați, Romania
- C. Stroescu, S. Dumitrache-Rujinski, I. Erhan, L. Savu, D. Zaharia, M. Bogdan, "*Obesity, systemic inflammation and the risk of cardiac arrhythmia in obstructive sleep apnea*", National Conference "One Health" , June 26-28, 2017, Tîrgu Mureș, Romania

b. in the field of Lung Cancer:

- I. Erhan, S. Dumitrache-Rujinski, A. Muntean, E. Magheran, M. Alexe, M. Bogdan, "*Unusual cause of bronchopleural fistula in a patient with long-term survival after initially inoperable adenosquamous lung carcinoma*," poster at the European Pneumology Conference, Pneumo Update, Budapest, June 2015
- I. Erhan, S. Dumitrache-Rujinski, D. Zaharia, T. Nanea,, A. Iliesiu, H. Moldovan, D. Leonte, M. Bogdan, "*Atypical presentation of a malignant cardiac tumor*", 16th World Conference on Lung Cancer, September 6-9, 2015 Denver, Colorado,
- I. Erhan, S. Dumitrache-Rujinski, C. Saon, D. Leonte, M. A. Bogdan, "*Clinical presentation and atypical diagnostic approach in a lymphoma case*", CONFER 2015, December 26-29, 2015, Iasi, Romania, ISSN 2344-5270
- I. Erhan, "*TNM staging of bronchopulmonary cancer from the perspective of a clinical case*", Congress of the Romanian Pneumology Society, October 5-8, 2016, Poiana Brasov, Romania
- I. Erhan, S. Dumitrache-Rujinski, C. Stroescu, M. A. Bogdan, "*Neutrophil to lymphocyte, Platelet to lymphocyte ratios and systemic inflammation in lung cancer stages* ", 17th World Conference on Lung Cancer, December 4-7, 2016, Vienna, Austria

- E. Crișan, A. Croitoru, I. Erhan, "*Trends of histopathological types of lung cancer diagnosed by bronchoscopy at the Marius Nasta Institute*", National Conference of Respiratory Pathophysiology May 2017, Covasna, Romania
- Erhan I, S. Dumitrache-Rujinski, C. Stroescu, C.Toma, M. Bogdan, "*The neutrophil / lymphocyte ratio and the platelet / lymphocyte ratio - methods of evaluating systemic inflammation in non-small-cell long-term cancer*)", National Conference "One Health", June 26-28, 2017, Tîrgu Mureș, Romania
- I. Erhan, S. Dumitrache-Rujinski, C. Toma, M. Bogdan, „*Neutrophil to lymphocyte, Platelet to lymphocyte ratios as markers of lung cancer -associated inflammation and their potential prognostic value*”, Congress of the Romanian Pneumology Society, October 31-November 3, 2018, Poiana Brasov, Romania

c. Other scientific works:

- I.Erhan, B. Vargolici I. Stoian, "*Smoking, alcohol and other prooxidant factors in diabetes*", Congress for medical students and young people, December 2007, Bucharest, Romania
- I. Erhan, B. Vargolici, I. Stoian, "*The relationship between oxidative stress and inflammation in diabetic patients*" - Congress for medical students and young people ", December 2008, Bucharest, Romania
- S. Dumitrache-Rujinski, A. Cocieru, G. Calcaianu, I. Erhan, M.A. Bogdan, "*Respiratory function and six-minute walking test in the obese patient*", Symposium: "Lung, movement and education", March 7-8, 2014, Craiova, Romania
- A. Muntean, A. Moisoiu, S. Gigea, M. Florea, A. Sora, I. Erhan, S. Dumitrache-Rujinski, D. Zaharia, M.A. Bogdan, M.I. Popa, "*Staphylococcus aureus and antibiotic susceptibility profiles in respiratory samples from inpatients of a tertiary pneumology center in Romania*", European Respiratory Journal 2015 46: PA2665; DOI: 10.1183 / 13993003.congres-2015.A2665, ERS 2015, Amsterdam
- I. Erhan, S. Dumitrache-Rujinski, N. Vartejaru, A. Cocieru, D. Leonte, MA Bogdan, "*Interstitial Disease with manifestations of vasculitic type and unfavorable evolution*", Conference of Diffuse Interstitial Pneumopathies, 23 - June 24, 2017, Bucharest, Romania

Articles:

- S. Dumitrache-Rujinski, D. Zaharia, I. Dinu G. Calcianu, A. Cocieru, I. Erhan, M.A Bogdan, "*Metabolic profile of patients with obstructive apnea syndrome in sleep and obesity. Comparison between patients with insulin resistance and those with insensitivity*", published in no. 2 of the journal "Pneumology", 2014
- C. Stroescu, S. Dumitrache-Rujinski, O. Spinu, I. Erhan, B. Paraschiv, I. Pele, M.A. Bogdan, "*Obstructive sleep apnea, cardiac function and exercise capacity*", Pneumology 2017, Vol 66, No 1 / 2017p 24-29 / ISSN2067-2993

- C. Stroescu, S. Dumitrache-Rujinski, I. Erhan, B. Paraschiv, I. Pele, M.A. Bogdan, *Obesity, exercise capacity and systemic inflammation in severe obstructive sleep apnea*, *Pneumology* 2017, Vol. 66 No.2 / 2017, p 84-89 / ISSN2067-2993
- I. Erhan, S. Dumitrache-Rujinski, C. Stroescu, C. Toma, M.A. Bogdan, *The role of biomarkers in the management of non-small cell lung cancer*, article review in the journal *Pneumologia*, vol 67, nr 4/2018
- Erhan I., Dumitrache-Rujinski S., Toma C., Bogdan M.A, Systemic inflammation, TNM staging and survival in patients with lung cancer. DOI: 10.2478/pneum-2020-0016 • 69 • 2020 • 81-86

Practical skills:

- interpreting X-rays and CT images
- performing / interpreting cardiorespiratory polygraphs and CPAP titration (within Sleep Apnea Syndrome)
- functional respiratory tests, 6-minute walk test (performing and interpreting)
- arterial blood sampling (performing and interpreting)
- thoracocentesis with / without ultrasound scan
- lumbar puncture

Other skills: the ability to communicate with patients and their families, personal and professional development in the spirit of teamwork, perseverance, good organizer skills

Calculator: Microsoft Office TM (Word, Excel, PowerPoint), SPSS

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken production	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	C2	C2	C1	C1	C1