

## **REVIEW**

**From Prof. Dr. Krassimira Kisiova, MD**

**Subject: Competition for the academic position**

**"Associate Professor" in the field of higher education. "Health and sport" professional field. Medicine.**

**Specialty: "Pneumology and Phthisiology"**

**To Dr. Dinko Valev, M.D.**

Dr. Dinko Valev was born on February 17, 1965. In 1986-1992 he completed his higher education at the Medical University of Sofia. In 1998 received a degree in Internal Medicine, in 2002 - a degree in "Pneumology and Phthisiology," and in 2010 received an academic degree, "Doctor" in "Lung Diseases."

Dissertation work "Fibrobronchostop thin needle aspiration biopsy and diagnosis of lung cancer";

Dr. D. Valev: Bronchology - MU - Sofia; Sleep apnea course from Imperial College, Edinburgh, Scotland; International Certified Course in Endobronchial Ultrasound and Transbronchial Fine Needle Aspiration, Heidelberg, Germany.

Dr. Dinko Valev, MD, has worked at the Institute of Physiology of the Bulgarian Academy of Sciences, Sofia, for 1 year. In 1993-2000 he worked at the Transport Medical University; in the Clinic of Internal Medicine and the Department of Pulmonary Diseases. Since 2000-2019 he has been working in the Specialized Hospital for Active Treatment of Pulmonary Diseases St. Sofia EAD-Sofia Department of Bronchology; from 2019 currently works at the University First Hospital "St. Ivan Krastitel" EAD Sofia. He also worked for 29 years 0.5 position as a nurse. From 2020 to 2021, he was an assistant for position 0.5 at the Department of Clinical Medical and Biological Sciences.

**Diagnostic and therapeutic activity of Dr. Valev:**

29 years of experience as a doctor in Pneumology and Phthisiology, Internal Medicine, and Bronchology with the opportunity to perform all highly specialized activities in this field.

Dr. D. Valev's teaching activity began in 2000, and he was a lecturer at a branch of the Medical University in Vratsa, where he teaches internal medicine and occupational therapy. Dr. Valev actively participates and leads practical, theoretical classes, including

lectures by doctors postgraduate education, average classroom employment 105 teaching hours per year; together with exams and elective modules is 130 lessons per year.

Dr. Dinko Valev, MD participates in publications: curricula Internal Medicine - specialty Occupational Therapy MU- Sofia, Prof. Iv. Mitev - Vratsa branch; Articles 42 with a total volume of 126 pages. Participation in scientific forums and research projects: in Bulgaria and abroad; Silver and Gold Grand from ERS 2005, 2006; participation in a research project from MU-Sofia. Dr. D. Valev has led classes in the following disciplines: Internal Medicine.

Scientometric indicators presented for holding the academic position of "Associate Professor."

Scientific production covering the minimum scientometric requirements: A1 (50 points); habilitation thesis monograph;

B3 Together with scientific publications in publications, referenced and indexed in world-famous databases of scientific information

(14.5 points); there are also G7 Publications and reports published in scientific journals, referenced and indexed in world-famous databases of scientific information (68)

G8 Publications and reports published in unreferred journals with a scientific review (218 points)

Indicators G5-G9 (286 points) (according to WOS / Scopus).

IF 42, 484 t.

IC 18 (total 180 points)

For the current competition, Dr. Dinko Valev participates with 33 scientific publications after obtaining the educational-scientific degree "Doctor," covering the minimum National Requirements provided in the Law for the development of the academic staff and the Regulations of MU-Varna.

The topics of Dr. D. Valev's publications and the field of bronchology also show multilateral interests in the field of pulmonology.

I Efficiency and quality of bronchological examinations in the diagnostic process.

II Application of modern and innovative biopsy techniques and procedures in modern bronchology

III Diagnosis and therapy of rare lung diseases, as well as an attempt to update the early diagnosis of the most common lung diseases - Chronic obstructive pulmonary disease, Pneumonia (in collaboration with cardiologists).

IV Diagnosis, therapy and prevention of neoplastic and socially significant lung diseases. (Chronic obstructive pulmonary disease, Pneumonia, obstructive sleep apnea).

Getting acquainted with the scientific work of Dr. Valev, I was impressed that in addition to bronchology, he participated in developments related to pleural postpneumonectomy (epidemiology, etiology, and prevention) empyema.

The problem of chronic obstructive pulmonary disease in mild chronic obstructive pulmonary disease and left ventricular diastolic dysfunction; Right-sided structural changes of the heart, exercise capacity and Stress-induced ventricular dysfunction in patients is mild Chronic obstructive pulmonary disease; On the issue of early chronic obstructive pulmonary disease, it is emphasized that it is detected by spirometry (functional loss of the small airways) as well as with extrapulmonary complications. (Cardiovascular, depression, anxiety, decreased physical activity.)

Obstructive sleep apnea - the role of oxidative stress in endothelial dysfunction in patients with obstructive sleep apnea (patients with obstructive sleep apnea have increased oxidative stress, which is thought to be involved in the pathogenesis of arterial dysfunction; a study was conducted to see if Resistin could be the link between oxidative stress adipositas and atherosclerotic stress in patients with obstructive sleep apnea. IMD (intimately mediated density) is associated with oxidative stress levels. All in this connection are the studies on nocturnal hypertension, the phenomenon of no drop in blood pressure at night and damage to target organs in patients with obstructive sleep apnea.

He found that prostaglandin E2 may play a protective role in left ventricular remodeling, while plasma levels of resistin contribute to the pathogenesis of left ventricular diastolic dysfunction.

The problem of influenza is also affected, with 500,000 people dying worldwide each year.

Several case studies are also described:

Treatment of recurrent respiratory papillomatosis of the digestive tract and respiratory tract; involvement of the respiratory tract in granulomatosis with polyangiitis (through the eyes of a bronchologist). Of interest is the attempt to assess the stress ECG in patients with the mild chronic obstructive pulmonary disease with preserved left ventricular ejection fraction. The problems of TB are affected - regardless of the invasiveness of the method, local immunodiagnostics, when using BAL is a promising and fast method for diagnosis in suspected children (T-Spot). Pneumonia in alcoholics has a much higher mortality rate.

CONCLUSION

Getting acquainted with the scientifically applied value of Dr. Valev, who impressed me with his main bronchological activity and his diverse interests in the field of internal medicine, and his ability to work in a team with cardi endocrinologists. , rheumatologists, who managed to associate with major problems of pulmonology. Moreover, he fully covers the minimum requirements of the law for the development of the academic community of the Republic of Bulgaria and MU-Varna, and I recommend the members of the esteemed jury to award Dr. Dinko Valev MD the academic position of "Associate Professor."

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Prof. Dr. Krassimira Kisiova, MD

