

## REVIEW

From

Cor. Mem. Prof. Nikolai Tsankov, MD

Under the procedure for holding the academic position "Associate Professor" in Dermatology and Venereology for the needs of the Dermatology and Venereology Clinic at Acibadem City Clinic University Hospital Tokuda EAD

I was appointed by order №695 of 29.12.2021 of the executive director and procurator of the hospital as a member of the jury and reviewer of the only participant in the competition for the academic position of "Associate Professor" of Dr. Ivan Bogdanov, Ph.D.

Ivan Assenov Bogdanov was born on July 1, 1980 in the family of intellectuals - a doctor and philologist. His grandfather, Prof. Dr. Ivan Bogdanov is a famous Bulgarian scientist, one of the first in the world to start research on the action of skin microflora on some pathogenic Gram (+) positive and Gram (-) negative microorganisms.

After graduating from high school in 1998 at the 35th French Language High School in Sofia, he continued his education as a medical student at the Joseph Fourier University in Grenoble, France.

From 2000 to 2006 he was a student at the Medical University - Sofia, where he graduated on November 10, 2006.

After successfully passing the competition he became a doctoral student at the Department of Dermatology and Venereology, where on April 19, 2013 he defended his dissertation on "Combined climatotherapy in the treatment of psoriasis."

In 2015 he successfully passed the exam for the specialty "Dermatology and Venereology".

Since 2010 Dr. Ivan Bogdanov has been working in the Clinic of Skin and Venereal Diseases at Acibadem City Clinic UMHAT Tokuda EAD.

As such, he attended short-term specialization courses at Saint-Louis University Hospital in Paris from 2009 to 2010 and London Clinic in London in 2014, as well as dermatological surgery at the European Academy of Dermatology and Venereology in Brussels in 2014 and Verona in 2021.

For the past period 2008-2021 I have witnessed the development of Dr. Ivan Bogdanov.

I would describe him as a smart, hard-working and persistent doctor and researcher dedicated to his favorite specialty. In recent years he has turned to dermatological surgery, and is definitely the best dermatosurgeon in the clinic where I work.

He is fluent in 2 languages - French and English, and has basic speaking skills in Italian and Russian.

Dr. Ivan Bogdanov is one of the established young representatives of the "digital" educational and research activities, as evidenced by the creation and maintenance of the website of the Psoriasis Foundation and the Bulgarian Dermatological Society. He is the author of a number of dermatological websites as well as he is member of the Communications Committee of the European Academy of Dermatology and Venereology (EADV).

### **Analysis of scientific activity**

#### **Number of peer-reviewed scientific papers**

Dr. Ivan Bogdanov offers for review 35 scientific articles published in Bulgarian and 13 articles published in English in various journals in Europe and the United States or a total of 48 scientific articles.

He is the first author of 17 chapters in monographs published in Bulgarian, of which 14 are independent authors and 3 chapters he wrote in collaboration.

In monographs published in Europe, Dr. Ivan Bogdanov participated with 2 independent chapters and 3 written in collaboration with other authors.

#### **Participation in national and international congresses.**

Dr. Ivan Bogdanov has participated in 70 Bulgarian congresses and scientific forums and a total of 23 papers at congresses, conferences and symposia abroad or a total of 93 papers. Of these, 63 he presented alone or as a first author, 19 as a second author and 11 as 3 and subsequent author.

#### **Participation in international congresses with posters.**

Dr. Ivan Bogdanov participates in the presentation of 14 posters in international congresses, of which 9 are leading authors and 5 are part of a team.

The total number of peer-reviewed scientific papers is 149, of which 1 dissertation, 48 scientific articles, 5 participations in monographs, 93 participations in congresses, conferences and symposiums, of which 14 participations with posters at international congresses and 2 scientific projects.

111 of the peer-reviewed scientific papers have been published in Bulgaria and 38 abroad.

## **Analysis of scientific production**

The main topic of research - articles, monographs, reports and posters - is the study of the etiology, pathogenesis, heredity, quality of life, clinic and therapy (climatotherapy, phototherapy, biological agents) of Psoriasis vulgaris.

A total of 42 scientific papers are devoted to this topic - 8 articles in Bulgaria (3, 4, 5, 8, 9, 18, 29, 31); 2 articles abroad (1, 8); 14 chapters from monographs in Bulgaria (1, 2, 3, 4, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17); 4 chapters from monographs abroad (1, 2, 3, 4); 6 posters exhibited at international congresses (3, 4, 5, 6, 7, 15).

Dr. Ivan Bogdanov is a continuation of the traditions of the Bulgarian Dermatological School in the field of climatotherapy of psoriasis, both in the field of thalassotherapy and in the field of balneotherapy. This is the field in which he successfully defended his dissertation and acquired the title of "Doctor" in 2013. I believe that he should focus his attention and efforts in this field, which was leading for the Bulgarian School of Dermatology and lead future research in this area.

For the first time in our country he studies the quality of life of patients with psoriasis (Bulgarian monographs №2, foreign monographs №2), and is one of the first to introduce in therapy and describe the effects of biological products.

Dr. Ivan Bogdanov is actively involved in writing 2 monographs in Bulgarian (1, 2, 3, 4) and English (1, 2, 3, 4), which are among the first in the world to consider psoriasis as a systemic disease.

He is one of the leading specialists in clinical trials, descriptions of clinical action and side effects of biological drugs used in patients with psoriasis vulgaris (Bulgarian articles №9, 31, 34; Bulgarian monographs №4, 8, 9; international monographs №4).

Psoriasis vulgaris has been and will remain a major topic in the research of the Bulgarian School of Dermatology.

I see as a continuation of the studies of etiology, pathogenesis, the introduction of new therapeutic agents and methods, side effects of drug therapy, as well as continuing research and introduction of new methods in physiotherapy, balneotherapy and thalassotherapy, Dr. Ivan Bogdanov, who will undoubtedly lead the Bulgarian research in this field.

The second main topic, which is touched upon in the scientific works of Dr. Ivan Bogdanov, is clinical dermatology.

He participated in the description of 11 rare clinical cases in articles published in Bulgaria (1, 2, 7, 10, 12, 15, 17, 19, 23, 27, 32) and 3 rare clinical cases published in international journals (4, 11, 12). Of these are the "Purple form of Pityriasis rosea" (2), "DRESS Syndrome" (7), "Margarita dermatitis (lime disease)" (12), "Insect dermatitis from black flies" (32).

The article published in the USA, together with the English dermatologist C.R. Payne - "Dupuytren contracture as a sign of systemic disease" (4), which for the first time in the world treats this disease as a systemic.

Dr. Ivan Bogdanov was one of the first in the world to describe in the United States (9) side effects in the skin after administration of anti-COVID-19 vaccines, as well as inflammatory changes localized in areas affected by scleroderma plaque (9), as and the appearance of Erythema nodosum after vaccination with Pfizer-BioNTech (13). The last two articles have also been published in the United States.

Dr. Ivan Bogdanov continues the tradition established by the dermatologists of Acibadem City Clinic UMHAT Tokuda EAD and is involved as a researcher in 1 research project and as a leading researcher in 1 more research project approved by the Bulgarian Antarctic Union and funded by the MES. He participated as a researcher in the world's first study of epidermal carotenoids in the Antarctic climate (6).

In summary, it should be noted that Dr. Ivan Bogdanov participated in the competition with a total of 149 scientific papers, of which 111 published in Bulgaria and 38 abroad.

### **Citations**

The scientific works of Dr. Ivan Bogdanov have been cited a total of 94 times (50 times in Bulgaria and 44 times abroad).

### **Scientific and organizational activity**

Dr. Ivan Bogdanov was elected a member of the Board of Directors of the Bulgarian Dermatological Society. As such, he takes an active part in the adoption of BDS consensus for psoriasis, atopic dermatitis, epidermolysis bullosa and hidradenitis suppurativa. Since 2010 he has been the chairman of the Psoriasis Foundation and the organizer of the annual scientific meetings of the Psoriasis Foundation. He creates and maintains the website of the Psoriasis Foundation. He is the technical secretary of the Dermatology and Venereology Journal. In 2020 he was elected a member of the EADV Communications Committee.

For 4 times he was selected after a competition as a scholarship holder and specialist of the International Society of Dermatology (Prague, 2009); of the Agence Universitaire de Francophonie (Paris 2009-2010); of the American Academy of Dermatology (Miami - USA, 2010) and the European Academy of Dermatology and Venereology (Lisbon, 2011).

Dr. Ivan Bogdanov is the winner of the award "Bulgaria Trusted Physicians" for 2017, 2018, 2019, 2020 and 2021.

### Teaching activities

According to the attached reference with Ex. № 1945 / 13. 12. 2021 from Acibadem City Clinic UMHAT "Tokuda" from 01.01.2017 to 10.12.2021 Dr. I. Bogdanov has a study load of 984 equivalent hours. Participates in the practical training in "Dermatology and Venereology" in the master's program in medicine at Sofia University "Kliment Ohridski" - 130.2 hours for the academic year 2019/2020 and 201 hours for the academic year 2020/2021 (reference MF at Sofia University from 21.12.2021)

### Conclusion

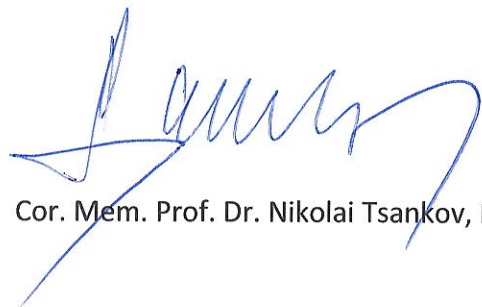
I have known Dr. Ivan Bogdanov since his admission as a medical student at the Medical University - Sofia, as well as his subsequent development as a specialist, doctoral student and assistant. I believe that he is one of the young representatives of the Bulgarian dermatology, who will be relied on for its future development.

He is fluent in 2 foreign languages, has already established himself as a clinician and teacher, he has substantial digital skills, has a good scientific output, he is devoted to his duties and tasks. The 2 projects won by him for the study of "Adaptation of the skin to extreme weather conditions in Antarctica" and "Changes in the skin microbiome under the influence of the Antarctic climate" will provide after their publication a pioneering role of Bulgarian dermatology in a hitherto unknown world skin study in hitherto uninhabited lands.

I strongly recommend to the esteemed scientific jury to award the academic position of "Associate Professor" to Dr. Ivan Bogdanov.

01.02.2022

Sofia



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