

REVIEW

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Subject: Competition for the academic position of "Associate Professor" in the scientific specialty "Dermatology and Venereology" in the field of higher education 7. "Health and Sports", professional field 7.1. "Medicine" for the needs of the Dermatology and Venereology Clinic of "Acibadem City Clinic UMHAT Tokuda", promulgated in SG, issue. 91 of 02.11.2021

Based on Order № 695 / 29.12.2021 of the Executive Director of Acibadem City Clinic UMHAT Tokuda, I was appointed a member of the scientific jury for a competition for the academic position of "Associate Professor" in Dermatology and Venereology. I was chosen as a reviewer at the first meeting of the Scientific Jury. The only candidate who submitted documents is Dr. Ivan Assenov Bogdanov, PhD, dermatologist, Assistant Professor at Acibadem City Clinic UMHAT Tokuda - Sofia.

I. Brief biographical data of the candidate:

Dr. Ivan Assenov Bogdanov was born on July 1, 1980 in the city of Sofia. He graduated from the 35th language high school in 1998, and graduated as Medical Doctor from Medical University - Sofia in 2006. He specializes in dermatology and venereology at Tokuda Hospital - Sofia (2010 - 2014) and acquired a degree in 2014. As a full-time doctoral student at Dermatology and Venereology Department of Medical University - Sofia (2008-2011), under the guidance of Corresponding Member of BAS Prof. Dr. Nikolay Tsankov, successfully defended his dissertation on "Combined climatotherapy in the treatment of psoriasis" and was awarded the scientific and educational degree "Doctor" (in medicine) in the scientific specialty "Dermatology and Venereology". As of the date of the competition, Dr. I. Bogdanov has 15 years of experience in the specialty, works at the Dermatology and Venereology Clinic of at Acibadem City Clinic UMHAT Tokuda - Sofia as an Assistant Professor.

In connection with his training in medicine in the period 1998-2000 he completed the 1st cycle of medical education (PCEM1) at the Joseph Fourier University in Grenoble, France. In the course of his postgraduate qualification, the candidate has completed specializations at the University Dermatology and Venereology Clinic of "Saint Louis Hospital" - Paris, France (2010) and London Clinic, London, UK (2014). He has conducted practical courses in dermatosurgery, dermatoscopy, cryotherapy, dermatohistopathology, non-ablative laser techniques in Bulgaria and abroad.

Author and owner of the sites: www.prodermaclub.com, www.dermahelp.com (until 2012), author of www.bg-derm.org, www.bg-pso.org, www.basord.com.

Fluent in written and spoken English, French, Italian and Russian.

II. Scientific activity of the candidate

The evaluation of the research activity of Dr. Ivan Bogdanov, Ph.D. was made on the basis of the recommended criteria and indicators for evaluation of Acibadem City Clinic Tokuda Hospital. It includes 236 scientific papers:

49 publications (13 abroad and 36 in our country). To the mentioned 35 Bulgarian articles I have added the abstract of the dissertation, which is not included in the author's reference for the contributions. The scientific articles that are part of the candidate's dissertation are not included which is correct and following the requirements.

10 chapters in 3 monographs (6 chapters in 2 Bulgarian monographs and 4 chapters in 1 monograph published abroad) and 1 textbook abroad (1 chapter).

93 participations in national and international scientific forums (23 of which abroad))

1. Scientometric criteria:

1 abstract of dissertation for "doctor" (in medicine)

13 publications in international scientific journals (incl. S / WOS)

35 publications in Bulgarian scientific journals (from the NaCID list)

11 participations in 3 monographs (1 abroad) and 1 textbook (abroad).

He is an independent or first author in 26 works (1 abstract of a dissertation, 11 publications in Bulgaria, 7 abroad, 2 chapters in the monograph "Psoriasis - a systemic disease", 2 chapters in the monograph "Our teachers", 2 chapters in "Psoriasis as a systemic disease", Lambert Academic Publishing).

The presented publishing activity provides an opportunity to determine the following areas in the scientific and professional interests of Dr. I. Bogdanov:

• Psoriatic disease:

o The main directions in the study of the disease are related to the climatic treatment of psoriasis, which is devoted to chapters in 2 monographs - 1 in Bulgaria (№3) and 1 abroad (№ 3), as well as publications in Bulgaria №№ 3, 4, 8, 9, 29 and №№ 1 and 2 in foreign scientific journals -

o Psoriasis as a systemic disease - 3 chapters in 1 monograph in Bulgarian - №№1, 2 and 4; 3 chapters in 1 monograph in English - №№ 1, 2 and 4; 5 publications in Bulgaria - №№ 3, 4, 8, 9, 18.

o It should also be kept in mind that the second and supplemented edition of the book "All About Psoriasis" (ISBN 978-619-188-407-0), although popular science, is a guide for patients with psoriasis in order to obtain of modern and adequate information for the disease from reliable sources and in accessible language - №№ 7-18 (publications outside the list of scientific papers).

• Rarely observed clinical cases:

o Numerous rare diseases have been diagnosed and described, as well as rare associations of various dermatoses, some of which for the first time in the country – "Vitiligo induced by pembrolizumab for the treatment of Melanoma Malignum" (№ 24), "Pustulosis palmoplantaris as a paradoxical response to

infliximab treatment" (№ 34), "Neonatal Onset Multisystem Inflammatory Disease" (№7), "Late inflammatory response after ChAdOx1 nCoV-19 vaccine" (№ 10) and "Chloracne" (№ 11).

o Other publications - 10 in Bulgaria (№№ 1, 2, 7, 10, 12, 15, 17, 19, 23, 27) and 2 abroad (№№ 12 and 13)

• **Dermatoallergy:**

o Participation in the preparation of consensuses for the treatment of atopic dermatitis and urticaria, description of allergodermatoses presented with vesiculobullous eruptions, as well as the world's first report of delayed inflammatory reaction of a vector Kovid-19 vaccine - publications in Bulgaria №№ 6, 11, 21, and abroad №№ 5, 9.

• **Dermatological therapy:**

o Scientific contributions in the field of dermatological therapy are related to the participation in the preparation of 11 consensuses and therapeutic guidelines for the treatment of various dermatoses, in 2 of which he is the first author - 17 publications in Bulgaria №№ 3, 5, 6, 8, 9, 10, 14, 16, 20, 21, 22, 25, 26, 30, 31, 32, 35.

• **Others:**

o History of medicine and dermatology - the scientific contribution is related to historical references to great scientific discoveries in dermatology and historical figures related to dermatology and medicine - 3 publications in Bulgaria (№№ 12, 28, 33) and 2 chapters in a Bulgarian monograph - №№ 5 and 6).

o Oncodermatology - publications in our country №№ 13, 23, abroad №№ 2, 3, 4 and 1 chapter in the textbook ("Men's Health" 4ed, CRC Press, Taylor & Francis Group, 2021. ISBN 9780367360788) - №5.

o Medical research in Antarctica - A publication in JEADV № 6 for the first time in the world publishes data from studies describing changes in retinoid levels in the human skin in the Antarctic climate. Studies have continued with the measuring of various indicators of the condition of the skin on site during the 28th Bulgarian Arctic Expedition in the Bulgarian Antarctic Base (BAB) and are part of the Scientific Project "Adaptation of the skin to extreme weather conditions in Antarctica" at the Ministry of Education and Science and comprised also measurements of the levels of ultraviolet radiation and the Standard Erythema Dose in outdoors workers at the BAB. This is the first time such studies have been conducted in Antarctica. Work has begun on a new project grant of the Ministry of Education and Science, studying the state of the skin microflora and the environment in which it develops in the Antarctic climate.

The dissertation work of the candidate, developed under the scientific guidance of Corresponding Member of BAS Prof. N. Tsankov, on the topic: "Combined climatotherapeutic method in the treatment of psoriasis" (2013), and is a study and validation of various therapeutic regimens using the sun and other natural resources for the treatment of psoriasis. The better therapeutic effect of the combined climatotherapy, including thalassotherapy, peloidotherapy and balneotherapy, has been proven, especially in patients with plaque and palm-plantar form of the dermatosis. The conclusions are based on a comparison of the results with those obtained in a control group of psoriatic patients treated with different types of phototherapy to improve dermatological status, the severity of itching, joint complaints, changes in quality of life. (publication №1)

The attached reference for impact factor (according to Journal Citation Reports - CLARIVATE), prepared by CMB with Ref.). CMB reference with Ex. 6 606 / 29.11.2021 indicates 50 Bulgarian citations, 44 citations in Scopus and 39 in Web of Science (the S / WOS database partially overlaps).

2. Scientific activity:

Attached is a list of 23 participations in international and 70 in national congresses and conferences, most of which are the reports described above.

Dr. Ivan Bogdanov has participated in 2 research projects related to polar research, being a leading researcher in one of them: "Changes in the skin microflora under the influence of the Antarctic climate." Member of the 28th Bulgarian Antarctic Expedition (2020)

Dr. I. Bogdanov is a winner of national and international awards related to his research, presented for participation in scientific forums, as well as a result of his volunteer work. He was a Fellow of the International Society of Dermatology (2009), Agence Universitaire de Francophonie (2009-2010), American Academy of Dermatology (2010), European Academy of Dermatology and Venereology (2011). Winner of the "Michael Hornstein Memorial Scholarship Awards" of EADV (2011), "Bulgarian trusted physicians" (2017, 2018, 2019, 2020), "Daniela Seizova Awards - In the Name of Life" (2017, 2018, 2019).

The candidate is a member of national and international scientific organizations including Bulgarian Medical Association, Bulgarian Dermatological Society (member of the board), EADV (member of the Communications Committee of the Academy), Association of Polar Early Career Scientists (APECS), member of the working group "EuroGuiDerm Psoriasis Guideline "At the European Dermatology Forum.

Since 2010 Dr. Ivan Bogdanov has been the Chairman of the Psoriasis Foundation. Since 2016 he has been the Technical Secretary and a member of the Editorial Board of the Journal of Dermatology and Venereology. He is the editor and co-author of the popular science book "All About Psoriasis" (ISBN 978-619-188-407-0), published in 2020, which raises the awareness of psoriasis patients about the disease and its treatment.

3. Information about the contributions: I accept the attached information about the contributions of Dr. I. Bogdanov, considering as most important the following scientific-theoretical, applied and social activities:

- Development of a combined climatotherapy method in the treatment of psoriasis - various therapeutic schemes using the sun and other natural resources for the treatment of the dermatosis;
- Preparation, publication and update of 11 consensus and therapeutic guidelines for etiology, pathogenesis, clinic and therapy of various skin diseases - consensus of BDS;
- The world's first article on the current topic of the coronavirus epidemic and ways to treat and prevent the side effects of the available COVID-19 vaccines - "Cutaneous adverse effects of the available COVID-19 vaccines.", Published in 2021 and currently has 16 citations in the S databases / WOS;
- Studies on the increased incidence of skin and solid malignancies in patients with Dupuytren's contracture, as well as the effect of the use of raw extracts of a special strain of *Lactobacillus bulgaricus* in cases of various skin tumors (presented materials and data not published until this moment);

- Clinical description of dermatoses in patients with rare clinical observations as an evidence of the candidate's teamwork skills;
- The results of the studies for the adaptation of the skin to the extreme climatic conditions of Antarctica - dynamics in the levels of epidermal carotenoids, changes in the skin microflora are an indisputable contribution to world dermatology. These studies continue on site, and are carried out with modern equipment. Their contribution to world medicine is yet to be appreciated.
- Organization and implementation of the annual scientific meetings of the Psoriasis Foundation. Delivering lectures with dermatological orientation at various patient events organized by the Federation of Bulgarian Patients' Forum;

III. Teaching activities of Dr. Ivan Bogdanov

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)

IV. Diagnostic and therapeutic activity

Dr. I. Bogdanov is an active practicing dermatologist with 15 years of experience in the specialty. He acquired a specialty in Dermatology and Venerology in 2014. He has proven diagnostic and therapeutic skills in his practice. Organizer of the annual scientific meetings of the Psoriasis Foundation, incl. organization of climatotherapy (sea treatment, balneotherapy, mud therapy) of patients with this dermatosis. He is one of the main initiators and the most active participant in the development of the adopted Consensus BDS for the diagnosis, clinic and treatment of psoriasis (2013, 2016). He is a member of the working group for the development of Consensus BDS for the treatment of atopic dermatitis, contact dermatitis, eczema of the hands, urticaria (2011, 2012, 2014, 2021), hidradenitis suppurativa (2017). These facts support the opinion that the candidate is excellently theoretically prepared, proactive and with extensive clinical experience.

Conclusion:

Dr. Ivan Bogdanov, MD is an established clinician and research fellow. Nationally, he is the specialist who has best developed in scientific and practical terms the combined climatotherapy in the treatment of psoriasis. The scientific papers presented by the candidate fully cover the criteria and the indicators for holding the academic position of "Associate Professor", according to the Regulations on the terms and conditions for obtaining scientific degrees and holding academic positions in Acibadem City Clinic UMHAT Tokuda. I am convinced with my positive vote and I recommend to the Honorable Scientific Jury to award the academic position of "Associate Professor" to Dr. Ivan Assenov Bogdanov, PhD.

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