

EXPERT OPINION
Prof. Dr. Svetlana Atanasova Velizarova
Head of the Children's Clinic of Pulmology and Tuberculosis
to SHATCD "Prof. Dr. Ivan Mitev "- Sofia

Member of the Scientific Jury, appointed by Order № RD-26-2481/13.10.2021 of the Executive Director of UMHATEM "N.I. Pirogov"

Subject: Competition for the academic position of "professor" in the field of higher education 7. Healthcare and sports in Professional field 7.1 Medicine and scientific specialty "Pediatric Surgery", announced in State Gazette, issue 61 of 23.07. 2021

Biographical data:

Assoc. Prof. Dr. Hristo Shivachev, MD was born on September 8, 1969. He graduated in medicine in 1995 at the Medical University of Sofia. He started working in the 26th polyclinic in Sofia as a therapist on duty. Since 1997 he has been appointed as an intern at the Department of Pediatric Thoracic Surgery, Second Pediatric Surgical Clinic, Department of Pediatric Surgery, "N.I. Pirogov", where he still works. In 2011 he defended the scientific degree "Doctor" in Pediatric Surgery, and in 2012 he acquired the academic position "Associate Professor". From 2014 to 2017 he was Head of the Department of Pediatric Thoracic Surgery. From 2017 until now he has been the Head of the Pediatric Surgery Clinic.

Professional qualifications:

In 2004 he acquired a specialty in "Surgery", in 2012 - a specialty in "Pediatric Surgery", in 2021 - a specialty in "Thoracic Surgery". Additional qualifications: Video-thoracoscopic surgery, Laparoscopic surgery, Bronchology 1st and 2nd level, Conventional gastrointestinal endoscopy 1st level. Specializations were held in Vienna, Naples, Genoa.

Academic and scientific activity:

The scientometric indicators of Assoc. Prof. Dr. Hristo Shivachev are in accordance with the requirements adopted by the Scientific Council of UMHATEM "N.I. Pirogov" EAD - Sofia and reflected in (Appendix 1) of the Regulations for the development of the academic staff.

Evaluation of the research activity:

One monograph and 50 publications are presented, which are distributed as follows:

- 20 articles in journals, referenced in world databases Scopus and Web of Science;
- 30 articles published in journals referred to in the National Reference List;
- 86 reports in scientific forums;

Distribution by author's place:

Publications			Scientific reports		Total	
	Number	%	Number	%	Number	%
<i>Independent</i>			6	6.9%	6	4,4%
<i>First author</i>	9	18%	22	25.6%	30	23%
<i>Second author</i>	19	38%	28	32.6%	47	34.5%
<i>Third and subsequent author</i>	22	44%	30	34.9%	52	38.1%
Total	50	100	86	100	136	100

The monographic work is on the topic of DIAGNOSIS AND TREATMENT OF PARAPNEUMOTIC PLEURO-PULMONAL COMPLICATIONS IN CHILDHOOD. It is written on 186 pages and examines the development of complications of community-acquired pneumonia in childhood. The minimally invasive surgical techniques and interventional bronchoscopy implemented by the author, used for the treatment of parapneumonic complications, are presented.

An developed algorithm for diagnosis and treatment of pulmonary and pleural complications is presented. The results of the application of the algorithm are presented and compared with the previous period, taking into account the reduction of the need for lung resection from 100 to 8%, reduction of surgical procedures, reduction of hospital stay and faster recovery of patients.

There are 50 articles in local and foreign scientific journals, 16 of which are in English. There are 86 scientific papers in Bulgarian and foreign forums, 9 of which are in English. Attached is a separate monograph, participation in a textbook and a guide.

According to the official reference, there are 15 citations in referenced foreign publications and 30 citations in Bulgarian sources, referenced in the National Reference List. The total impact factor is 33.3.

Applicant's contributions:

SCIENTIFIC AND THEORETICAL CONTRIBUTIONS

1. Development and implementation of the overall protocol of diagnosis and management in parapneumonic pleuro-pulmonary complications in childhood.
2. Development and implementation of a protocol for diagnosis, follow-up and treatment of congenital lung diseases.
3. Introduction and development of a protocol for diagnosis, treatment and staging of tumors in childhood.
4. Introduction and development of a protocol for management of congenital chest deformities.
5. Introduction and development of a protocol for management of non-descending non-palpable testicles in childhood.

APPLIED CONTRIBUTIONS

1. Introduces and develops interventional bronchoscopy in childhood.
2. Introduces and develops the application of VATS in parapneumonic pleuropulmonary complications in childhood.
3. Introduces and develops the application of VATS and laparoscopy in childhood tumors.
4. Introduces and implements the application of VATS in congenital diseases of the mediastinum and diaphragm.
5. Introduces and implements laparoscopic methods in acute appendicitis and ovarian torsion in childhood.
6. Introduces and implements laparoscopic methods in hiatal hernia and plastic replacement of the esophagus in childhood.
7. Introduces and implements the minimally invasive technique for correction of chest deformities.
8. Introduces and implements laparoscopic methods in the treatment of cryptorchidism in childhood.

The presented scientific production is sufficient in volume and quality to participate in the competition. It exceeds the required and set points both in the National Minimum Criteria and in those adopted by the Scientific Council of the hospital as follows:

Group of indicators	Content	Professor Required According to the minimum national requirements	Professor Available According to the minimum national requirements	Professor Available According to the requirements of UMHATEM,,N.I.Pirogov”
A	Indicator 1	50	50	50
B	Indicator 2	-	-	-
B	Sum of indicators 2, 3 and 4	100	100	100
Г	Sum of indicators from 5 to 9	200	364.35	1500

Д	Sum of indicators from 10 to 12	100	525	525
Е	Sum of indicators from 13 to the end	100	500	500
Ж	Indicator 23	10		
	or IF	10	33.3	33.3

Teaching activity:

Assoc. Prof. Dr. Hristo Shivachev, MD presents a report on teaching hours, which shows that for the last three years there are over 100 teaching hours, working as a member of commissions, including as chairman of the commission for state exam for the specialty "Pediatric Surgery", working as Deputy Editor-in-Chief of the scientific journal "Emergency Medicine", has a successful management of two PhD students, one expelled with the right to defense and three more enrolled.

The author has six doctoral students. Two of them defended their dissertations, the first in 2018 and the second in 2020. One doctoral student was expelled with the right to defense, which is forthcoming in May 2022, and the other three are about to complete their dissertations.

Conclusion:

From the analysis and evaluation of the submitted materials in the competition it can be summarized that the candidate meets the mandatory conditions, mandatory quantitative criteria and scientific and metric indicators for holding the academic position "Professor".

The candidate has indisputably proven professional and academic qualities.

For the above reasons, I confidently give a positive assessment and propose to the esteemed members of the Scientific Jury to vote positively for the election of Assoc. Prof. Dr. Hristo Ivanov Shivachev, MD in the academic position "Professor" in Pediatric Surgery for the needs of the Clinic of Pediatric Surgery of UMHATEM "N.I. Pirogov" EAD.

Date:

...

Sofia

Signature: