

# REVIEW

from

**Prof. Dr. Rosen Dimov, MD, FRCS, Head of the Surgery Clinic, University Hospital "Kaspela"-EOOD, Plovdiv, Department of "Special Surgery"-MU-Plovdiv, Vice Rector -UBK, MU-Plovdiv.**

On the basis of Art. 4, para. 2 and Art. 29a of the ZRASRB, Art. 2, para. 2, and para. 3, Art. 62, para. 1 and para. 2, Art. 67 of the Regulations for the Development of the Academic Staff of "Acibadem City Clinic UMHAT Tokuda" EAD and the decision of the Scientific Council with protocol No. 58/05.06.2025, I am appointed as a member of the scientific jury with the status of "Reviewer" in a contest for the academic position "Professor" for the needs of the Clinic of Thoracic Surgery, Acibadem City Clinic UMHAT Tokuda" EAD announced in the State Gazette issue 35/25.04.2025.

Documents submitted by a single candidate Assoc. Prof. Dr. Tsvetan Radnev Minchev, MD

## **1. Autobiographical data:**

Dr. Minchev graduated as a Master of Medicine in 1989 at the Faculty of Medicine of the Medical Academy - Sofia. His work experience began as an air doctor in the Armed Forces of the Republic of Bulgaria, Dobroslavtsi, Sofia. This was followed by a one-year period of specialization in "Surgery" at the Military Medical Academy - Sofia until the end of 1991. From 1992 to 2006, he practiced in the "Thoracic Surgery" clinic of the "St. Sofia" University of Medical Sciences, successively as a resident, assistant, senior assistant and chief assistant. In 1996, he acquired a specialty in "Surgery", and in 2000 he acquired a second specialty in "Thoracic Surgery".

Since 2018, he has been awarded the teaching and academic position of "Associate Professor" in Thoracic Surgery.

From 2007 to the present, he is the head of the "Thoracic Surgery" clinic at "Acibadem City Clinic UMBAL Tokuda" EAD.

## **2. Scientific and research activity:**

Assoc. Prof. Minchev's scientific and research activity is wide-ranging and is largely based on problems in thoracic surgery, with special attention paid to the part concerning robotic surgery.

From the documentation provided to me, it is evident that the candidate has defended a dissertation for the acquisition of the scientific and educational degree "doctor" on the topic "Operative technique with pediculized omentum for the treatment of mediastinitis after cardiac surgery", 15.11.2017, Medical University - Sofia, Diploma No/date: MUS 000670 588-D / 23.03.2018.

He has published a monograph with ISBN 978-619-284-004-4 on the topic "Robot-assisted surgeries in carcinoma of the esophagus and gastroesophageal junction".

Here are 1 co-authorship in a scientific guide and 31 scientific articles in peer-reviewed scientific journals (12 in Scopus/Web of Science, of which with IF – 10; 18 - in the National Reference List and 1 - an international non-refereed journal with scientific review). Assoc. Prof. Minchev's congress participations are 43. He is a lecturer of 1 program lecture at an international congress and author and co-author of 42 scientific reports and communications with published abstracts (11 at international scientific forums, 11 at national scientific forums with international participation and 21 - national scientific forums), table 1:

From the submitted citation reference by the CMB of MU Sofia, a total of 239 citations are documented in the databases, of which in foreign sources Scopus – 93 and Web of Science – 79. Citations were found in sources from the CMB library fund – 67. h index: Scopus – 4 and Web of Science – 4

**Tabl.1 Scientific works distributed by type and place of publication:**

Types of scientific papers	In Bulgaria	International	All
Dissertation work	1		1
Monograph	1		1
Teaching aid	1		1
Publications in scientific journals In publications that are referenced and indexed in world-renowned databases of scientific information - Scopus/Web of Science (with IF ) Publications and reports published in non-refereed journals with scientific review or published in edited collective volumes	2 (with IF 1)     18	10 (with IF 9)     1	12 (with IF 10)     19
<b>Total:</b>	<b>23 (with IF 1)</b>	<b>11 (with IF 9)</b>	<b>34 (with IF 10)</b>
<b>Reports and announcements presented at scientific forums with published abstracts</b>			
International	11		22
National	21	11	21
<b>Total:</b>	<b>32</b>	<b>11</b>	<b>43</b>
<b>Total scientific papers:</b>	<b>39 (with IF 1)</b>	<b>20 (with IF 9)</b>	<b>59 (with IF 10)</b>
<b>Quotes:</b>			
In Bulgarian sources from the library collection of CML	67		67
Foreign sources			

Scopus		93	93
Web of Science		79	79
<b>Total quotes:</b>	<b>67</b>	<b>172</b>	<b>239</b>

Of all 32 publications, 11 are in English, 21 are in Bulgarian. Of the publications, 12 are in refereed and indexed in the Scopus or Web of Science databases, with 10 having an impact factor. They are in prestigious journals, such as Journal of Cardiothoracic Surgery, Endoscopy, Biomedical Journal of Scientific & Technical Research, Cureus, PLoS One, Gastrointestinal Endoscopy, Annals of Case Reports and others presented in the table.

The total impact factor after Associate Professor is 30.817. The individual IF is 6.11

*The distribution of scientific works by place of participation in the author teams is presented in table. 2:*

Position as author:	Real posts	
	Number	%
Independent and first author	18	52.9
Second author	8	23.6
Third and next author	7	20.6
Last author	1	2.9
<b>Total:</b>	<b>34</b>	<b>100%</b>

In 27 (79.4%) of the articles, the author is an independent, first, second or last author, which indicates active participation in the creative process.

Scientific activity includes a total of 43 participations. Of these, 1 program lecture at an international congress and 42 scientific reports and communications (10 international participations with abstracts, 11 at national scientific forums with international participation and 21 – national scientific forums).

Participations in international congresses are at scientific forums of the World Society of Cardio-Vascular & Thoracic Surgeons (WSCTS), the Serbian Association of Thoracic Surgery, the Shanghai Association of Thoracic Surgery, the Romanian Association of Robotic Surgery. Participation in national congresses and conferences is mainly at Congresses of the Bulgarian Surgical Society (BSC), Bulgarian Association of Thoracic, Cardiac and Vascular Surgery (BAGSCS) and Bulgarian Association of Minimally Invasive and Robotic Surgery (BAMIRS), Bulgarian Group of Invasive Bronchology, all of which have international participation.

***Tabl.3 By the candidate's place in the author teams of congress participations***

<b>Position as author:</b>	<b>Real posts</b>	
	Number	%
Independent and first author	34	79,1
Second author	8	18,6
Third and next author	1	2,3
<b>Total:</b>	<b>43</b>	<b>100</b>

In 34 (79.1%) participations he was a lecturer, independent or first author.

***Table 4 Compliance with the minimum national criteria for holding the academic position of "Professor":***

<b>Group of Indexes</b>	<b>Content</b>	<b>Minimal required points of NACID for «Professor»</b>	<b>Points presented by Assoc. Prof. Dr. Tsv. Minchev, MD</b>
<b>A</b>	Index 1	<b>50</b>	<b>50</b>
<b>Б</b>	Index 2	-	-
<b>B</b>	Indexes 3 ot 4	<b>100</b>	<b>100</b>
<b>Г</b>	Sum of indicators 5 to 9	<b>200</b>	<b>241.66</b>
<b>Д</b>	Sum of indicators 10 to 12	<b>100</b>	<b>2 915</b>
<b>E</b>	Sum of indicators from 13 to the end	<b>100</b>	<b>170,6</b>

<b>Total number of points:</b>		<b>550</b>	<b>3 477,26</b>

His above works, publications, citations and other scientific activities fully meet the requirements of the Act on the Development of Academic Staff in the Republic of Bulgaria in the field of higher education 7. "Healthcare and Sports, professional field 7.1. Medicine, scientific specialty "Thoracic Surgery" for holding the academic position "Professor" and in most indicators significantly exceed them.

### **3. Problems of scientific works**

The thematic distribution of scientific works is diverse and concerns significant and current problems of thoracic surgery in our country and abroad. Scientific developments are closely related to the treatment-diagnostic clinical activity and are dedicated to the study of various problems in Thoracic Surgery. The scientific works cover the following topics: tracheal resections and reconstructions, tracheal substitution, resection and reconstruction of mediastinal, pulmonary and other major blood vessels in intrathoracic malignant and benign diseases, cuff pneumonectomy, carina resection, surgical treatment of advanced lung cancer and mediastinal tumors, resection and reconstruction of the esophagus with minimally invasive techniques, intra- and postoperative complications, combined resections with ECC and cardiac surgeries, surgical treatment of esophageal carcinoma with robotic surgery and postoperative results, treatment of postoperative mediastinitis, extended thyroid and tracheal resections, robotic lung resections, diagnosis of mediastinal tumors, robotic cuff resections of the tracheobronchial tree, chest wall reconstructions and advanced breast carcinomas, stenting of the trachea and carina in malignant stenoses, surgical solutions in tracheoesophageal fistulas, postoperative pain control with cryoablation.

### **4. Teaching and learning activities:**

The Thoracic Surgery Clinic provides training in the specialty "Thoracic Surgery" for resident physicians, 4th, 5th and 6th year medical students and nurses in thematic areas.

Assoc. Prof. Minchev's teaching workload is well presented. In a Certificate issued by ASK UMBAL Tokuda EAD, Assoc. Prof. Tsvetan Minchev for the period 01.01.2020- 31.12.2024 has realized a total of 1016 equiv. Hours of training for residents.

As a lecturer in the training of resident physicians, as well as in conducting lectures for resident physicians and preparing teaching aids, as follows:

#### **A. Student training**

- Bulgarian and English;
- Practical classes, seminars and consultations;
- Video-assisted thoracoscopy
- Video-assisted mediastinoscopy
- Robotic surgery

#### **B. Training of specialist doctors**

- Courses in the specialty of Thoracic Surgery;
- Basic course in Bronchoscopy;
- Video-assisted thoracoscopy;
- Video-assisted mediastinoscopy;
- Robotic surgery of the lung and mediastinum and esophagus with proctored sessions
- Practical classes, seminars, exams and consultations
- Participation in examination committees for acquiring the specialty of Thoracic Surgery

#### **5. Diagnostic and therapeutic activity:**

- Surgical activity in the operating room, intensive care unit and surgical clinic; Annual volume of surgical activity of the clinic 1400 operations. Application of the main diagnostic methods and surgical techniques in the acquired specialties "Surgery" and "Thoracic Surgery";

- Highly specialized activity - Robotic surgery of the lung, mediastinum and esophagus. Annual volume of robotic surgery 140 surgical interventions, video-assisted thoracoscopic surgery and video-assisted mediastinoscopy for diseases of the lungs, pleura, mediastinum, as well as open surgery for diseases of the organs in the chest and abdominal cavity;

- Interventional Bronchology - Conventional and video-assisted bronchoscopy, Endoscopic stenting of the trachea, Endoscopic treatment of tracheo-esophageal fistulas.

- Over thirty years of work experience in the acquired specialties and work with patients in a wide age range (adults, children, elderly patients) in a planned and emergency manner - thoracic surgery, cardiac surgery, oncosurgery, video-assisted and robotic surgery;

- Specialty in "Surgery" (Diploma, series AC No. 001556/01.01.1996); specialty in "Thoracic Surgery" (Diploma, series AC No. 006825/01.01.2000).

#### **6. Expert activity:**

Republican Consultant in Thoracic Surgery (Order No. RD-01-50/07/.02.2025)

Member of the Expert Council of the Ministry of Health in Thoracic Surgery (Order No. RD-02-147/06.06.2025)

Reviewer Acta Medica Bulgarica.

Expert at the Center for Pulmonary Fibrosis.

Based on all the documentation presented to me, fully covering and in its scientometric part exceeding the required criteria of the ZRASRB, as well as the regulations for its application of the Scientific Council of "Acibadem City Clinic UMHAL Tokuda" EAD. Considering the personal and professional qualities of the candidate Assoc. Prof. Tsvetan Radnev Minchev, I vote with conviction for awarding him the academic and teaching position "Professor".

Plovdiv /-----/

17.08.2025 Prof. Dr. Rosen Dimov, MD FRCS