



## REVIEW

МЕДИЦИНСКИ УНИВЕРСИТЕТ  
ПЛОВДИВ  
Вх. № *R-1558* / ... 17.08.2022. г.

From Prof. Dr. Nikoleta Ivanova Traikova, MD

Determined for the preparation of a review by **Order No. R - 1558/ 28.06.2022** of  
the Rector of Medical University - Plovdiv

Scientific specialty: Diagnostic Imaging

Institution: MU Plovdiv, Medical College

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**Regarding:** participation in a competition for the academic position of "ASSOCIATE  
PROFESSOR"

From the field of higher education 7. Healthcare and sports, professional direction 7.1.

Medicine: scientific specialty "Medical radiology and roentgenology (incl. the use of  
radioactive isotopes)" at the Department of Diagnostic Imaging for teaching in Bulgarian and  
English, at the Faculty of Medicine of Medical University Plovdiv, announced in State Gazette  
No. 32/26.4.2022 and on the website of MU Plovdiv

One candidate has submitted documents for participation in the competition:

Chief assistant dr Katya Angelova Doykova, Ph.D.

The candidate has submitted the necessary documents in accordance with the requirements of LDASRB, the Regulations for its application and the Regulations for academic development of MU-Plovdiv for holding the AP "**Assoc. Prof.**"

### **I. Analysis of the candidate's career development**

Dr. Katya Doykova graduated from Plovdiv Medical University in 2013 with excellent results. She specializes in diagnostic imaging for the period 2015-2020 at the Department of Diagnostic Imaging of the University Hospital "Kaspela" Plovdiv. Since 2017, he holds the academic position of "Assistant" in the Department of Diagnostic Imaging at the Faculty of Medicine, Medical University of Plovdiv. In 2021, she defended her dissertation on "pSW-elastography of the liver and spleen in the assessment of liver stiffness in chronic viral hepatitis and liver cirrhosis with viral etiology" and obtained the educational and scientific degree "Doctor". In the same year, she held the academic position of "Chief Assistant" in the Department of Diagnostic Imaging. She is responsible for international activities in the Department (Erasmus, Erasmus+, the international student and teacher exchange program CEEPUS).

Dr. Katya Doykova undergoes additional qualifications and training, both in Bulgaria and abroad: CT colonography course (I and II level, Turin, Italy), hepatobiliary imaging (Hamburg, Germany); contrast-enhanced ultrasound (Munich, Germany and Istanbul, Turkey); a specialized course in diagnostic imaging at the Open Medical Institute, organized jointly with the participation of Weil-Cornell Medicine New York and the Medical University of Vienna. She has certificates for ultrasound, computed tomography and magnetic resonance diagnostics. She increases and perfects her competencies and skills in the scientific and teaching activity by undergoing training "Pedagogical problems in medical education", organized by MU Plovdiv. She won an award for the development of young scientists at the Youth Organization of the European Association for Abdominal Imaging (Young ESGAR Mentorship program)

Dr. Doykova is a member of the Bulgarian Association of Radiology (BAR), the European Society of Radiology (ESR) and the European Society of Abdominal Imaging (ESGAR). She is a participant in more than 9 international scientific forums with modern scientific studies, such

as the Balkan Congress of Radiology and the European Congress of Radiology. In 2020, she won an award with sponsorship in the poster session of the European Congress of Radiology on the topic of her dissertation: Spleen-Liver-Stiffness ratio as a predictor of presence and severity of chronic liver disease. Scientific interests are related to the diagnosis of the hepatobiliary system, neck and mammary gland. She is fluent in written and spoken English.

## **II. General description of the submitted materials for the competition**

The candidate submits the required complete set of documents on time and according to the requirements of MU Plovdiv. The set includes documents certifying the academic development and experience of the candidate, the study load; diplomas for completed higher education, recognized medical specialty, ESD "Doctor"; documents certifying the scientific activity - articles, a monograph, citations, national scientific project.

## **III. Evaluation of scientific works and publications of the candidate for the overall academic development**

The total number of scientific works of Dr. Katya Doykova is 23 and includes:

- Summary of the dissertation work for the acquisition of the ESD "doctor" on the topic "pSW-elastography of the liver and spleen in the assessment of the liver stiffness in chronic viral hepatitis and liver cirrhosis of viral etiology";
- Habilitation thesis on the topic: "Application of the ultrasound elastography of the spleen in and outside hepatology" with ISBN 978-619-7205-27-5.
- 11 publications in scientific journals, referenced and indexed in world-famous databases with scientific information (Scopus and Web of Science), of which 3 with IF.
- 10 publications and reports published in non-refereed peer-reviewed journals

The candidate's scientific works present independent developments of studies of modern medical-diagnostic problems. In most of them, she works with colleagues from different specialties and departments from MU-Plovdiv. Her research interests and publications include diseases of the hepatobiliary system, mammary gland and neck. The presented articles in international journals reach a total IF of 6.715, and two of the publications are in renowned international journals /Rheumatology International and Diagnostics/. Dr. Doykova also



presents articles in periodical Bulgarian non-refereed editions with scientific review. She is a participant in numerous Bulgarian scientific forums with international participation, organized by the Union of Scientists Plovdiv, IMAB, etc., with oral presentations and lectures. These scientific publications resulted in the presented 16 citations, including: 7 citations in publications in scientific publications, referenced and indexed in world-renowned databases of scientific information (Scopus and Web of science); 3 citations in monographs and peer-reviewed collective volumes; 6 citations in non-refereed peer-reviewed journals.

The monographic work presented by the candidate is a useful modern guide for all specialties whose clinical activity is related to diseases of the spleen and changes in its stiffness in various diseases in gastroenterology, hematology and rheumatology.

Dr. Katya Doykova also participated in a national scientific project.

#### **IV. Complex evaluation of the teaching-methodical and teaching activity**

Dr. Katya Doykova teaches medical students in Bulgarian and English after winning a competition for the AP "Assistant" in 2017. In the last year, she also taught students from the "Nursing" specialty at the FPH, MU-Plovdiv. For the last three academic years, Dr. Doykova had a teaching load that significantly exceeds the legally defined 200-hour annual load of MU Plovdiv for non-habilitated teachers:

- 252 hours of auditorium employment and 55 hours of non-auditorium employment for 2019-2020;
- 433.2 hours of auditorium employment and 80 hours of non- auditorium employment for 2020-2021;
- 523 hours of auditorium employment and 90 hours of non- auditorium employment for 2021-2022.

Dr. Doykova also participates in the training of international scientific exchange students under the Erasmus and Erasmus+ programs.

Her work with students has led to several joint participations in scientific youth forums and poster sessions at the European Congress of Radiology.

Dr. Katya Doykova is also assigned to the Postgraduate Education Department, where for several years she has been actively involved in conducting theoretical and practical training in

ultrasound and CT diagnostics for imaging specialists and specialists from other clinical specialties. She has conducted several individual training courses at the Department of Diagnostic Imaging at Kaspela University Hospital practical training base, where she uses the most modern US and CT devices.

**V. Critical remarks and recommendations:** I have no critical remarks and recommendations.

**VI. General assessment of the candidate's compliance with the minimum scientometric requirements**

Dr. Katya Doykova, MD, meets the mandatory conditions and scientometric indicators under Art. 2b, Par. 2 and 2 and the requirements under Art. 2b, Par. 5 of the LDASRB and the specific requirements for MU-Plovdiv by direction and for units with clinical activity, determined by the Regulations for academic development in MU-Plovdiv for holding the AP "Associate Professor".

Self-assessment table - MANDATORY MINIMUM SCIENTOMETRIC INDICATORS OF MU-PLOVDIV FOR FIELD 7.1. MEDICINE (medico-clinical)

<b>Group of indicators</b>	<b>Content</b>	<b>Requirements of MU-Plovdiv for AP "Assoc.Prof."</b>	<b>Number of points of the candidate</b>
A	Indicator 1	50	50
Б	Indicator 2	-	-
B	Indicator 3	100	100
Г	Indicators 7 & 8	200	353
Д	Indicators 10,11,12	100	165
E	Indicators 15,16,22	60	85
Ж	Учебна дейност	300	478.1
	<b>TOTAL</b>	<b>810</b>	<b>1231.1</b>

## Conclusion

I have known Dr. Katya Doykova for many years and have followed her scientific, academic, professional and personal development. The scientific indicators, the active teaching activities, as well as the contributions of Dr. Doykova, meet the requirements, according to LDASRB, as well as the Regulations for the development of the academic staff of MU Plovdiv. In connection with the above, I give **my positive assessment** and propose to the members of the respected Scientific Jury **to vote and award Dr. Katya Angelova Doykova, MD the academic position "Associate Professor"**.

Plovdiv

Signature: . . . . .

Заличено на основание  
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