

REVIEW

of the scientific papers of Dr. Georgi Nikolaev TODOROV, PhD,

Applying for the position of “Associate Professor”
in the domain of High education 7. Health care and Sport,
Professional direction 7.1 Medicine, Specialty “Diagnostic Imaging”
as announced in the Official Journal N 17 dated 26.02.2021

By Professor Vassil Hadjidekov, MD, PhD

According Medical University of Varna Rector’s Order: № P-109-179/16.04.2021.

In the concourse procedure for the position of “Associate Professor” in the domain High education 7. Health care and Sport, professional direction 7.1 Medicine Specialty “Diagnostic Imaging” as announced in the Official Journal N 17 dated 26.02.2021 the only candidate presented is Dr. Georgi Nikolaev TODOROV, PhD, Assistant Professor.

1. General data of the candidate:

Dr Todorov is born in 1988 in Stara Zagora town. He is graduated in medicine in 2013, and Health Management in 2015 in the Medical University of Varna. In 2016 he defends successfully a PhD Thesis in “Interventional approaches in malignancies of hepato-biliary system. In 2018 he is graduate as specialist in Diagnostic Imaging. From 2016 he is appointed assistant-professor in the Department of Diagnostic Imaging, Interventional radiology and Radiation Therapy of the Varna’ Medical University..

Dr. Todorov has several specializations courses abroad including on hepatobiliary interventions (Brno), neurovascular interventions (Stockholm), interventions in liver, pancreas and stomach diseases (Dublin) and endorectal ultrasound (Malmö).

He is fluent in English

2. Research activities

The main topics of the research activities of the candidate are in the fields of the interventional radiology, interventional oncology, neuroradiology and vascular radiology and others.

Applying for the position DrTodorovpresents twenty-six full text papers, twelve out of them publish in indexed editions. The papers of Dr.Todorov are published in: J NeurolSurgA Cent EurNeurosurg., ScriptaScientificaMedica, Clin Invest Med, Studiaoncologica, Archives of the Balkan Medical Union, J Biomed Clin Res, Journal of IMAV, Рентгенология и радиология, Варненски медицински форум, Нефрология, Диализа и Трансплантация, MD, Спешна медицина, Съдова ехография.

An important part of papers presented deals with interventional oncology of liver diseases. Percutaneous transhepatic biliary drainage is administrate in palliative treatment of patients with malignant obstruction or stenosis of biliary duct and it is proven that an early procedure improves liver function. A case of a liver portal embolization as preoperative management in a female patient with liver metastasis of colorectal cancer is described, showing the benefits of the procedure for right radical hepatectomy. An extensive review article presents the literature data on achievements in transarterial embolization and chemo- and radioembolization. Benefits in Irreversible Electroporation as innovative ablative method for the treatment of tumor diseases is as well described. An interesting data are revealed in the paper devoted to resistance 5-fluorouracil in Colorectal cancer patients. It is shown that necroptotic cell death is an important effector mechanism of 5-FU-

mediated anticancer activity. The utility of FDG-PET in the preoperative evaluation and initial staging of patients with colorectal cancer is evaluated. FDG-PET appears to be highly useful in patients with evidence of resectable hepatic metastasis according to the stage, provided by conventional techniques. Review article summarizes the usefulness of the Transrectal ultrasonography as effective tool for evaluating diagnostic rectal cancer, is easy to perform in the clinical environment, well tolerated, inexpensive. Author's experience in balloon dilatation and stenting of postoperative bilioenteric anastomotic strictures is published. Several different clinical cases reports are presented, demonstrating the activities of the candidate in the field of interventional radiology.

Papers of dr. Todorov are cited three times in indexed editions.

Dr. Todorov has been presenting thirty-five papers at national and international scientific meetings and congresses.

3. Teaching activities

As assistant professor Dr. Todorov has teaching activities in diagnostic imaging with medical students as well with students in different specialties – nurses, radiographers, midwives and other. Certificate issued by the University (№112-68 /05.04.21) proves the teaching hours performed by dr. Todorov for the last five years.

4. Papers contributions

Contributions of Dr. Todorov's papers are scientifically practical. The main ones refer to a new and difficult medical practice as interventions oncology is. I accept the scope of the author's consideration of her papers contribution

5. Critical notes

As minor critical notes of the papers of the candidate could be considered smaller ratio to the presented original papers in comparison to review articles and clinical cases reports.

6. Conclusion

Dr Georgi Nikolaev TODOROV, PhD, assistant-professor, is a trained specialist and educator. The papers he has presented concern advanced and very difficult aspects of today medical practice as interventional oncology and have scientifically practical contributions. Its cover the requirements for the academic position of Associate-professor according the Rules of procedures of the development of the Academic staff of the Medical University of Varna and its' Annex № 1 (as published at https://www.mu-varna.bg/BG/AboutUs/Documents/pravilnici-2020/Pravilnik_razvitie_AC_15.09.2020.pdf)

I give my positive vote and invite the honorable members of the Jury to vote positive too to confer the academic position of Associate Professor to Dr Georgi Nikolaev TODOROV, PhD, assistant-professor, for the educational purposes of the Department of Diagnostic Imaging, Interventional radiology and Radiation Therapy of the Varna' Medical University.

Reviewer: Vassil Hadjidekov, MD, PhD
Professor of Radiology



Sofia, 15 of June 2021