

STATEMENT

Assoc. prof. Mariana Penkova Radicheva, MD, PhD

Trakia University, Stara Zagora,

Medical faculty

Department of Internal diseases

On: PhD thesis „**EVALUATION OF POINT SHEAR WAVE ELASTOGRAPHY FOR
DIAGNOSIS OF PANCREATIC DISEASES**“

for obtaining the educational and scientific degree „PhD” on Gastroenterology, professional
discipline

7.1., Medicine 7. Healthcare and sport.

Author: Dr Bozhidar Krasimirov Hristov, MU – Plovdiv, Second department of
Internal diseases, Section “Gastroenterology”, Gastroenterology clinic, University Hospital
“Kaspela”

Scientific supervisor:

1. Assoc. Prof. Vladimir Andonov, MD, PhD
2. Assoc. Prof. Silviya Tsvetkova, MD, PhD

Relevance of the topic: The topic presented reflects a scientific need for research in
the field of gastroenterology. This is the first study in Bulgaria to evaluate the changes in
tissue elasticity in patients with chronic pancreatitis and pancreatic ductal adenocarcinoma, by
means of non-invasive technique such as ultrasound elastography.

The thesis is relevant and applicable in terms of scientific and practical value.

Knowledge on the matter: The PhD student conducted a detailed literature review
that shows a thorough understanding of the problem. The existing scientific data is well
comprised and the conclusions are accurate and well presented.

Characteristics and evaluation of the thesis: The thesis is presented on 187 standard pages and is structured in accordance to the general requirements. It contains 48 figures, 37 tables and 2 schemes of high quality. Literature review comprises 191 sources – 4 in Bulgarian and 187 in Latin, which indicates insufficient research on the topic in Bulgaria.

The thesis meets the requirements of MU – Plovdiv in terms of structure and volume. It includes 7 chapters: Introduction – 1p., Literature review – 50p., Aim and tasks – 1p., Materials and methods – 9p, Results – 81p., Summary – 10p., Conclusions – 2p., Contributions – 2p.

Introduction is clear and concise. Literature review is detailed and thorough and guides towards the aims and tasks. The volume of the literature review is sufficient and shows that PhD student is well informed on the topic of the thesis. The aim of the thesis is clearly formulated and corresponds to the tasks set.

“Materials and methods” chapter is well structured. An analysis on 103 patients is conducted of whom 30 healthy volunteers, 35 patients with chronic pancreatitis and 38 with pancreatic ductal adenocarcinoma. The acquired results are objective, well presented and interpreted. Modern statistical methods are applied.

The obtained conclusions are clearly formulated and reflect results analysis as well as the aim and tasks set.

I accept the contributions of the thesis, both original and affirmative.

Evaluation of the publications of the PhD student: Dr Hristov presents 3 original articles on the topic – 2 in foreign journals (one article in a journal indexed in Scopus and Web of science) and one article in Bulgarian journal. The offered articles meet the general requirements.

Conclusion: The thesis contains results of scientific and practical value, which represent an original contribution to science. It covers the national requirements of the Law of academic staff development and the internal regulations of the Medical University of Plovdiv.

The thesis proves that the PhD student Dr Bozhidar Krasimirov Hristov has profound theoretical knowledge and professional competence in the field of Gastroenterology. He demonstrates ability to independently conduct a scientific research.

Due to the aforementioned I am confident to give my positive vote for the conducted research, thesis, auto-reporting, the obtained results and contributions and encourage the jury to confer Dr Bozhidar Krasimirov Hristov the scientific and educational degree of PhD

06.06.2022r.

Stara Zagora

Revi Заличено на основание
Чл.5 §1, б."В" Регламент (ЕС)2016/679

Asoc. Prof. Mariana Penkova Radicheva, MD, PhD 