To the Chairman of the Scientific Jury
determined by order No.P-109-
479/14.12.2022
To the Rector of MU – Varna

STATEMENT

from

Assoc. Dr. Nikolay Todorov Evtimov, MD

MBAL "St. Anna" - city of Varna

Subject: Dissertation submitted for opinion on the topic:

Robot – ASISTED PATIAL NEPHRECTOMY- FUNCTIONAL AND ONCOLOGIC RESULTS

For awarding the educational and scientific degree "Doctor"
Field of higher education: 7. Health care and sports, professional direction: 7.1. Medicine
Scientific specialty: "Urology"

Author: Dr. Inna Gocheva Ivanova

Doctoral student self-study in the Department of Urology, Faculty of Medicine, Medical University – Varna

Scientific supervisor:

Professor Deyan Anakievski, Ph.D.

Relevance of the topic:

The incidence of small renal masses increases as partial nephrectomy is used to treat renal tumors (smaller than 4 cm) in the setting of a normal contralateral kidney. Partial nephrectomy is an established method in the treatment of "Stage T1 renal cell carcinoma, providing excellent oncological outcomes and long-term reduction in the risk of developing renal failure."

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The aim of the present study was to demonstrate, using prospective and retrospective analysis, the value of robotic-assisted partial nephrectomy in achieving negative surgical margins, preserved renal function, and minimal perioperative complications.

I believe that the topic of scientific work is relevant not only for our country, but also internationally. Dr. Gocheva's dissertation work is a valuable source of information necessary for the enrichment of clinical practice in Bulgaria.

Structure

The statment is prepared on the basis of a presented dissertation in the volume of 122 pages, illustrated with 25 figures, 33 tables and 155 references, most of which in the last 10 years. It is structured according to the rules for preparing a dissertation and is moderately balanced as a ratio between the individual sections. I am happy to emphasize the maximum visualization of the text with informative figures, tables and graphs. The author uses a wide range of statistical methods to fulfill the purpose of his research. Statistically significant results are well discussed in the abstract and dissertation.

Knowing the problem

In general, the overview reflects the current state of the problem and shows excellent literary awareness of Dr. Ina Gocheva. 155 literary sources were used, of which 13 in Cyrillic and 142 in Latin. The literature review shows the author's excellent ability to analyze and summarize literary data.

The aim is

The aim of the present study is to demonstrate, using prospective and retrospective analysis, the value of robotic-assisted partial nephrectomy in achieving surgical margins, preserved renal function, and minimal perioperative complications.

Tasks

There are 4 tasks and they are clearly and comprehensibly formulated and answer the questions asked.

Research methodology

For the period from January 2020 to August 2022, 218 robot-assisted operations were performed at the clinic, of which:

- Radical nephrectomy – 68.
- Nephrectomy – 15.
- Partial nephrectomy – 73.
- Nephroureterectomy – 17.
- Pyeloplasty – 20.
- Urethroplasty – 25.

They were divided into two groups: 73 RAS and 72 LN aged 20-90 in 10 years, left 36 right 31 Average duration of operations in minutes for robot-assisted partial nephrectomy 80 min and for laparoscopic surgery 240 min. The hospital stay of RA patients 3 LN 6 days. Histological results in both groups are comparable Clear cell carcinoma of the kidney at most 35 Papillary carcinoma of the kidney 8 Oncocytoma of the kidney 7 Angiomyolipoma 2 Cyst of the kidney 3 and one each of the other histological types. Clinical staging data (cT) Tb 26% in RN on 8 in LN T1a 36% 41% laparoscopic group. The blood loss of the 72 patients studied in robot-assisted partial nephrectomy is 148 ml. in laparoscopic surgery it is 239 ml. The established complications Hematoma, Postoperative urinoma, Abscess in the left gluteal area

Characterization and evaluation of dissertations and contributions

The dissertation work of Dr. Iva Gocheva is dedicated to the development of a current topic with important practical application, using an appropriate methodology and the obtained results correspond to the set goal. From the large-scale studies carried out, 8 conclusions were formulated, which correspond to the presented results. I accept the formulated 5 contributions of the dissertation, one of which is original: it proves the importance of robot-assisted partial nephrectomy, to achieve negative surgical margins, preserved renal function and minimal perioperative complications. The doctoral student, through his dissertation work, demonstrates that he has mastered the methodology of scientific research, that he is able to analyze the literature, pose a scientific problem, formulate a hypothesis, the goal and tasks of the research, choose and apply the appropriate methods of analysis and draw correct conclusions . I believe that Dr. I. Gocheva did an excellent job in the realization of her work.

The abstract meets the requirements of the Law on the Development of Academic Personnel.

Assessment of the PhD student's publications and personal contributions

Dr. I. Gocheva has published the results of her work before the scientific community in our country. The author has 3 publications related to the topic. This is indisputable proof that the dissertation work is the personal work of the doctoral student.

Conclusion

The dissertation of Dr. Ina Gocheva submitted to me for opinion on the topic "ROBOT-ASSISTED PARTIAL NEPHRECTOMIES FUNCTIONAL AND ONCOLOGICAL RESULTS" fully meets the requirements of the Law on the Development of the Academic Staff in Republic of Bulgaria. This is an up-to-date, very well planned and implemented scientific work.

Due to all of the above, I am fully convinced to give my positive assessment of the dissertation work.

I allow myself to call on the respected members of the Scientific Jury to also vote positively and to award Dr. Ina Gocheva Ivanova an educational and scientific degree "doctor" in "urology", to which I also join.

Varna

27.01.2023

Assoc. Dr. N. Evtimov MD