

POSITION

by Assoc.Prof. Stefan Vasilev Kisiov Ph.D.,

Department of Obstetrics and Gynecology at the Medical University - Varna

About presented_ for defense dissertation by Dr. Zlatka Georgieva Dimitrova - Sandulova

"Diagnostic approaches and clinical management in hydronephrosis during pregnancy"

for the award of a scientific and educational degree "Doctor"

Scientific specialty "Obstetrics and Gynecology"

The work submitted for official defense contains a total of 135 pages of printed text with a total of 41 tables and 24 figures included in it. This volume also includes a list of publications related to the dissertation material, which includes a total of 286 titles, of which 17 are in Cyrillic and 269 in Latin. The exposition of the bibliography corresponds to the standard accepted in our country.

The LITERATURE REVIEW is adequate in volume in relation to the entire work. Dr. Dimitrova has carefully studied the literary sources, the majority of which are from the last ten years. Publications in Cyrillic make an impression, and a large part of them are by Bulgarian authors. The bibliography is correctly arranged in alphabetical order.

The REVIEW is structured correctly, current knowledge on the problem is reflected, its cognitive value is a good basis for the development of the dissertation work.

The presented sources are from authoritative and specialized publications.

The OBJECTIVE set by the PhD student was to compare diagnostic approaches and to study the clinical management of pregnant women with hydronephrosis in the first and second half of pregnancy.

The PhD student sets seven main tasks to fulfill. The tasks are logical and are carried out step by step - selection of the contingent, diagnostic process, comparison of the two types of hydronephrosis treatment methods (conservative and operative), evaluation of the efficacy of diagnostic methods in patients with hydronephrosis in the first and second half of pregnancy and the final comparative evaluation of the results.

The OBJECTIVE of the study was a group of a total of 184 pregnant women with evidence of symptomatic hydronephrosis. The study was conducted at SBAGAL "Prof. Dr. D. Stamatov" - Ltd - Varna and MHAT "St. Anna" - Varna for the period from 2019 until 2021.

I believe that the scale of the studied contingent is sufficient to obtain reliable results and, respectively, conclusions.

Own RESULTS and DISCUSSION: Hydronephrosis during pregnancy is more common after 20 g.w. and requires more frequent treatment. It is proven that the right-sided localization of hydronephrosis in pregnant women is more common compared to left-sided and bilateral. The main imaging tool for the diagnosis and follow-up of hydronephrosis, regardless of the period of pregnancy, is the ultrasound examination. The most common cause of hydronephrosis uroinfection isolated from urine is Esherichia coli.

I rate the results obtained by Dr. Dimitrova as completely reliable and potentially reproducible in clinical practice.

The total of nine conclusions presented show the dissertation's integral approach to the treatment-diagnostic approach. The advantages of screening and adequate pregnancy follow-up for upper urinary tract obstructions between 18-22 g.w. to reduce the incidence of complications of both hydronephrosis and pregnancy are clearly stated. The conclusions are logical and derive directly from the results of the dissertation work.

THE CONTRIBUTIONS all 7, are divided into two sections - contributions of a confirmatory nature and contributions of an original nature. The contributions are directly related to the results, and the most important should be those of an original nature, evaluating the value of the relevant proven schemes for a diagnostic-treatment algorithm in pregnant women with hydronephrosis for wide application in medical practice.

IN THE LIST of publications related to the topic, there are a total of 4 titles, two of which are in the magazine "Urology and Endourology" and two in the magazine "Obstetrics and Gynecology". With this, the PhD student covers the minimum required publication activity.

CONCLUSION

The dissertation study presented by Dr. Zlatka Dimitrova-Sandulova "Diagnostic approaches and clinical management in hydronephrosis during pregnancy" has the qualities of a dissertation work. The same is an up-to-date, interesting and full-value material, with a good structure and content. The set goal and the tasks resulting from it have been faithfully fulfilled.

I strongly suggest to the respected members of scientific jury to award Dr. Zlatka Dimitrova-Sandulova the scientific and educational degree "DOCTOR", in the scientific specialty "Obstetrics and Gynecology".

19.08. 2022.

Assoc.Prof. Stefan Vasilev Kisiov Ph.D.

