

from

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On the dissertation on the topic: "Health-related quality of life in patients with vasculitis associated with antineutrophil cytoplasmic antibodies conducting biological treatment", presented for public defense before a scientific jury for the award of educational and scientific degree "Doctor" in professional field 7.3 Pharmacy, scientific specialty "Social medicine and organization of healthcare and pharmacy.

Author of the dissertation: mag.pharm. Tsvetomir Mario Deliiski, Assistant Professor, Department of Physical Chemistry, Faculty of Chemistry and Pharmacy, Sofia University "St. Kliment Ohridski", Sofia, PhD student

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The dissertation has a volume of 154 pages and contains 33 figures, 42 tables, 2 photos and appendices. Includes introduction, literature review, purpose and tasks, materials and methods, results of own research and analysis, discussion of results, conclusions, bibliography. The work is constructed consistently and logically.

Originality and significance of the dissertation: For the first time in Bulgaria a systematic study of patients with vasculitis associated with antineutrophil cytoplasmic antibodies conducting biological treatment is conducted. For the first time in Bulgaria a retrospective analysis of the evolution of the disease in patients with vasculitis associated with antineutrophil cytoplasmic antibodies is performed by stratification and evaluation of clinical activity measured by the vasculitis activity scale BVAS - Persistent points. For the first time in Bulgaria, health-related quality of life (HRQoL) is measured in patients with vasculitis associated with antineutrophil cytoplasmic antibodies, before and after biological treatment using common instruments.

The in-depth literature review on the topic based on PRISMA includes 468 sources. The paper provides a thorough literature review on the topic. It introduces us to modern knowledge of the problem and indicates the motives for this work. The competence, depth of the problem and the skills of the dissertation to work with literary sources are demonstrated.

The purpose of the development is clearly and precisely defined and corresponds to the title. From the review and the goal derives the corresponding six tasks. The solution of problems requires knowledge and skills in the field of rheumatology and systemic vasculitis The

formulated goals and objectives of the dissertation and their implementation, corresponding to the set goal, have allowed the mag.pharm.Deliyski to develop the chosen topic perfectly.

Material and methods: An original protocol and design of a non-interventional, observational, prospective / retrospective study to measure health-related quality of life in the Bulgarian population of vasculitis patients associated with antineutrophil cytoplasmic antibodies before and after biological treatment was developed. Licensed software products based on so-called engineering models Model-driven Engineering-MDE.

Results of own research and analysis: The results are presented and illustrated, with emphasized statistical dependencies, fully covering all the tasks set by the dissertation. They are presented in six chapters - representativeness and demographic characteristics of the analyzed cohort of patients; clinical characteristics of the study group; assessment of health status using the EuroQol 5D-5L instrument before and after rituximab biologic therapy; assessment of health status using the SF-36v2 Health Survey before and after biological treatment. From the assessment of health status through the SF-36v2 Health Survey instrument before and after biological treatment, it is clear that before treatment for any of the elements forming the health-related quality of life, respondents are not defined as normal and / or well. health and do not fall into the group of healthy people from the general population, as the worst results are in physical functioning, emotional state and the feeling of general health. After the treatment with biological medicine, the summarized results for the health-related quality of life in the two main domains - physical and mental component are impressive, and it is clear that the measured quality of life in both criteria in 75% of patients is above normal population . Rituximab treatment is only reimbursed in patients with Wegener's granulomatosis. Obtaining a good level of reimbursement of the treatment with biological products of the other two diseases - Microscopic polyangiitis and Eosinophilic granulomatosis with polyangiitis (Cherg-Strauss syndrome) will provide access to modern and effective treatment of this group of patients.

In the discussion section, the author successfully analyzes the results of his own study.

The dissertation systematizes 11 conclusions in response to the set tasks.

The presented abstract meets the requirements. The formulated conclusions and contributions correspond to the achieved results. The study enriches the knowledge of medical professionals about the symptoms of AAB due to mental, physical and social factors. It also confirms pre-registration efficacy data that Rituximab treatment is the best therapeutic alternative in current rheumatological practice for the treatment of AAB.

In connection with the dissertation are presented 2 published scientific articles in Bulgarian journals, one of which is referenced in Scopus, 3 participations abroad, as the reports were published in the journal Arch Balk Med Union., refined in Scopus and 2 participations with reports at scientific forums in our country with international participation.

What has been said so far gives me reason to confidently propose to the esteemed members of The Scientific Jury to positively evaluate the dissertation for the acquisition of

the educational and scientific degree "Doctor" of the dissertation Tsvetomir Mario Deliiski in professional field 7.3 Pharmacy, scientific specialty "Social medicine and organization of health care and pharmacy.

15.02.2022

Prepared the opinion: .....

/ Assoc. Prof. K. Andreevska, Ph.D.