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Review

of the *member* of the dissertation council for the dissertation of Alexey Vladimirovich Nikolaev on the topic: «IMMUNE AND ENDOCRINE MECHANISTIC LINKS OF TUBERCULOSIS AND PULMONARY SARCOIDOSIS: CLINICAL AND PATHOPHYSIOLOGICAL CHARACTERISTICS», submitted for the degree of candidate of medical sciences in scientific specialty 3.3.3. Pathological physiology

Considering the above, I believe that

Alexey Vladimirovich Nikolaev`s dissertation on the topic: «IMMUNE AND ENDOCRINE MECHANISTIC LINKS OF TUBERCULOSIS AND PULMONARY SARCOIDOSIS: CLINICAL AND PATHOPHYSIOLOGICAL CHARACTERISTICS» meets the requirements of speciality 3.3.3. Pathological physiology.

First, I would like to congratulate the student Alexey Nikolaev and his supervisor prof. Dr. Leonid Churilov for the idea and for the special development of this scientific manuscript.

The dissertation is a scientific qualification work, which on the basis of research conducted by the author, provides theoretical provisions that can be qualified as a scientific achievement *or* offers a solution to a scientific problem that has an important political, socio-economic, cultural or economic significance, *or* provides new science-based technical, technological or other solutions, the implementation of which makes a significant contribution to the development of the country.

The overall appearance of the thesis is in general appropriate. It does not contain grammatical or spelling errors, it is written in coherent, proper style, all the citations are correct.

The methods used in the thesis are in general adequate and justified. Taking the thesis as a whole, the author demonstrates sufficiently the ability to choose justified methods for reaching the research goals. The use of methods for statistical analysis is relevant and the conclusions are correct.

The contributions mentioned in the dissertation abstract have original character. They are correctly ranged according to their importance.

Furthermore, I suggest:

- 1) To add an Abstract
- 2) To include inclusion criteria and exclusion criteria
- 3) Add the information regarding evaluated patients were post-tuberculosis treatment of they were studied before Tb therapy
- 4) here are several abbreviations without spelling the sentence
- 5) I suggest to evaluate the association between Raynaud phenomenon and procalcitonin levels
- 6) Moreover, I suggest to evaluate the association between Raynaud phenomenon and prolactin serum levels

No violations of paragraphs 9 and 11 of the Order No.11181/1 as of November 19, 2021 "On the Procedure for Awarding Academic Degrees at St. Petersburg State University" have been detected.

The dissertation meets the criteria of dissertations for the academic degree of Doctor of Sciences, established by the specified Order. The dissertation is recommended for the defense at St. Petersburg State University.

Member of the dissertation council

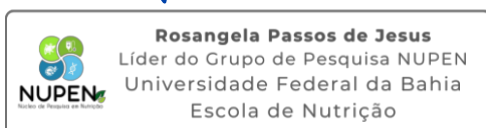
MD, PhD, Associated Professor, Federal University of Bahia State

Jozélio Freire de Carvalho



April, 16th, 2024

I assure the signature - Prof. Rosangela Jesus, Full Professor, Federal University of Bahia, Brazil, Jesus RP



April, 18th, 2024