

Review from the Supervisor
Head of Breast Surgery Department at Latvian Oncology Centre,
Riga East University Hospital
PhD, Assoc.Professor Janis Eglitis

Review of the foreign consultant
on the dissertation of Toguzbayeva Assem Yakubbekovna on the theme:
“Medical-organizational basis for reducing the burden of breast cancer and
ways to improve screening in Kazakhstan”,
submitted for the degree of Doctor of Philosophy (PhD) in the specialty
”6D110200 - Public Health”

Dissertation of Toguzbayeva Assem Yakubbekovna is a significant and original research devoted to the analysis of methodological aspects and effectiveness of screening programs aimed at reducing the burden of breast cancer in Kazakhstan, as well as the development of proposals to improve their performance.

Modern methods of epidemiologic research, including retrospective analysis and the use of both descriptive and analytical approaches, were applied in the work. The research also performed a thorough statistical analysis, confirming the reliability and significance of the data obtained.

The novelty of the dissertation is manifested in the proposed approaches to the optimization of screening programs and in the substantiated conclusions that confirm the effectiveness of the proposed measures. The work is based on modern standards of medical statistics, which gives its conclusions a high level of scientific validity.

The structure of the dissertation research is logical and consistently reveals the main provisions of the work. The author's argumentation is convincing and corresponds to the goals and objectives of the research.

In addition to the high level of professional training, we would like to note the personal qualities of the doctoral student Toguzbayeva Assem Yakubbekovna. She showed herself as a responsible, purposeful and proactive researcher with analytical thinking and the ability to independently solve complex scientific problems. Her ability to work with a large amount of information and organization contributed to the successful implementation of tasks and obtaining significant results.

The obtained results represent high scientific novelty and practical significance, having an important applied potential for improving the system of screening and organization of medical care in the field of oncology in Kazakhstan.

The success of this work is the publication activity of the PhD doctoral student, which reflected the published 5 articles in Scopus, 9 articles in the recommended journals of the Committee and there were speeches at more than 5 international conferences, as well as this work is protected by copyright.

In general, the submitted work causes a positive impression and meets the requirements for dissertations for the degree of Doctor of Philosophy (PhD). I believe that Toguzbayeva Assem Yakubbekovna deserves to be awarded the degree of Doctor of Philosophy (PhD) in the specialty "6D110200 – Public Health".

Foreign consultant,



PhD, Janis Eglitis

Head of Breast Surgery Department

Assoc.Professor, Lead Researcher at Faculty of Medicine, University of Latvia

5 slimnīca
RĪGA EAST UNIVERSITY HOSPITAL

Latvian Republic
Rīga, Latvia
10001
Tel: +371 67 18 11 11
Fax: +371 67 18 11 11
E-mail: info@5slimnica.lv

Review from the Supervisor
Head of Breast Surgery Department at Latvian Oncology Centre,
Rīga East University Hospital
PhD, Assoc. Professor Janis Eglitis

Review of the foreign consultant
on the dissertation of Toguzyayeva Assam Yakubbekovna on the theme:
"Medical-organizational basis for reducing the burden of breast cancer and
ways to improve screening in Kazakhstan",
submitted for the degree of Doctor of Philosophy (PhD) in the specialty
"6D110200 - Public Health"

Dissertation of Toguzyayeva Assam Yakubbekovna is a significant and original research
devoted to the analysis of methodological aspects and effectiveness of screening programs aimed
at reducing the burden of breast cancer in Kazakhstan, as well as the development of proposals to
improve their performance.

Modern methods of epidemiologic research, including retrospective analysis and the use of
both descriptive and analytical approaches, were applied in the work. The research also performed
a thorough statistical analysis, confirming the reliability and significance of the data obtained.

The novelty of the dissertation is manifested in the proposed approaches to the optimization of
screening programs and in the substantiated conclusions that confirm the effectiveness of the
proposed measures. The work is based on modern standards of medical statistics, which gives its
conclusions a high level of scientific validity.

The structure of the dissertation research is logical and consistently reveals the main provisions
of the work. The author's argumentation is convincing and corresponds to the goals and objectives
of the research.

In addition to the high level of professional training, we would like to note the personal qualities
of the doctoral student Toguzyayeva Assam Yakubbekovna. She showed herself as a responsible,
purposeful and proactive researcher with analytical thinking and the ability to independently solve
complex scientific problems. Her ability to work with a large amount of information and
organization contributed to the successful implementation of tasks and obtaining significant
results.

The obtained results represent high scientific novelty and practical significance, having an
important applied potential for improving the system of screening and organization of medical
care in the field of oncology in Kazakhstan.

The success of this work is the publication activity of the PhD doctoral student, which
reflected the published 2 articles in Scopus, 9 articles in the recommended journals of the
Committee and there were speeches at more than 2 international conferences, as well as this

work is protected by copyright.

In general, the submitted work causes a positive impression and meets the requirements for
dissertations for the degree of Doctor of Philosophy (PhD). I believe that Toguzyayeva Assam
Yakubbekovna deserves to be awarded the degree of Doctor of Philosophy (PhD) in the specialty
"6D110200 - Public Health".