

Re: Altynbayeva G.B.

Research thesis: "The prognostic value of the infectious factor in assessing the incidence of small children" for the PhD degree in 6D110100 — MEDICINE

The topicality of this work is determined by the high specific gravity of the birth of premature infants in combination with a delay in intrauterine development in the developed and developing countries of the world.

The goal and objectives of the study are clearly formulated by the applicant, namely, the role of infectious morbidity as a risk factor for neonatal mortality, features of morphological changes in placentas of infected low-birth-weight premature infants, diagnostic and prognostic significance of preclinical markers of neonatal infections.

In terms of reducing the frequency of hemorrhagic complications of low-birth-weight premature newborns, a scheme of repeated administration of vitamin K was tested. In order to achieve the goal and solve the tasks, the author used a comprehensive research program.

The novelty, practical value and conclusions are evaluated positively by me.

On the basis of the results obtained, the author developed and proposed an algorithm for diagnosing of neonatal infections at premature infants, contributing to a reduction of infectious morbidity and mortality.

Practical recommendations offered by the author have a real way out and are aimed at improving the diagnosis and prevention of severe infectious processes at low-birth-weight premature neonatals high-risk groups.

In my opinion, Altynbayeva Gulmira is a qualified expert in the field of clinical medicine, who is able to set and solve complex problems, and is worthy of awarding the PhD degree in specialty of 6D110100 - Medicine.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Vadim S. Ten', with a long horizontal stroke extending to the right.

Vadim S. Ten MD, PhD
Associate Professor of Pediatrics at
Columbia University Medical Center
Attending Physician,
Neonatal Cardiac Critical Care