REVIEW BY THE SCIENTIFIC ADVISOR
of the dissertation submitted by PhD candidate Kabyl Bakytkhan Kabylkyzy entitled "Prediction and Prevention of Spontaneous Preterm Birth in Singleton Pregnancy" submitted for the degree of Doctor of Philosophy (PhD) in the educational program 8D10141 – Medicine

The dissertation submitted by Kabýl Bakytkhan Kabýlkyzy addresses one of the most critical and challenging issues in modern perinatology — the prediction and prevention of spontaneous preterm birth (sPTB) in singleton pregnancies. Preterm birth remains a leading cause of neonatal morbidity, mortality, and long-term disability worldwide, making the topic of this thesis exceptionally relevant and scientifically significant.

The doctoral candidate conducted a comprehensive, well-designed study combining retrospective population analysis, prospective cohort investigation, and advanced instrumental diagnostic methods. Of particular importance is the integration of transvaginal cervicometry with cervical elastography (E-Cervix), which represents a modern and highly informative approach to early identification of cervical remodeling and isthmic-cervical insufficiency

The practical value of the study is considerable. The proposed algorithm for early risk stratification and individualized prevention (progesterone, pessary, cerclage) has the potential to significantly improve perinatal outcomes. The reported effectiveness — achieving term delivery in 84% of high-risk women — attests to the clinical importance and real-world relevance of the proposed strategy.

The dissertation is well-structured, logically coherent, and grounded in robust statistical methodology. The candidate demonstrates the ability to independently carry out advanced scientific research, to interpret complex ultrasonographic and elastographic parameters, and to integrate them into a clinically meaningful predictive framework.

In conclusion, I consider that the dissertation *"Prediction and Prevention of Spontaneous Preterm Birth in Singleton Pregnancy"* by **Kabýl Bakytkhan Kabýlkyzy** fully meets the requirements for awarding the academic degree of **Doctor of Philosophy (PhD)** in Medicine under the educational program 8D10141. The dissertation possesses significant scientific novelty, methodological soundness, and substantial practical value. It fully deserves to be submitted for public defense before the Dissertation Counci.

Rukset Attar
MD & PhD, Assoc. Prof., Yeditepe
University, faculty of medicin,
Koşuyolu Hospital Deputy Chief
Physician.