



Rome, February 03rd, 2025

Object: Review on the dissertation by Dinara Baiguissova, entitled: “**Improving the Organization of Radiology Services in Almaty**”, submitted for the degree of Doctor of Philosophy (PhD) in Public Health (specialty 6D110200).

The dissertation by Dinara Baiguissova addresses a highly relevant topic in public health, focusing on the optimization of radiology services in Almaty. This research aligns with global priorities in healthcare, aiming to enhance diagnostic efficiency and reduce the economic and radiation burden on healthcare systems and patients. The study’s relevance is underscored by the increasing reliance on advanced imaging modalities such as CT and MRI, and the challenges associated with their rational use in modern healthcare.

Dr. Baiguissova’s work is of a high scientific standard, demonstrating both theoretical depth and practical relevance. Through a comprehensive analysis of radiology services in Almaty, the author identifies critical challenges such as the disproportionate use of CT and MRI, misalignment between insurance tariffs and real costs, and the lack of clear clinical protocols for imaging referrals. The study’s innovative contribution lies in developing evidence-based recommendations to address these issues, including a “National Program for Reducing Radiation Exposure,” which integrates patient-centered and resource-efficient approaches.

Dr. Baiguissova’s academic output further highlights the quality of her work. We have co-authored a joint publication, reflecting our fruitful collaboration and the international recognition of her research. Additionally, her methodological recommendations and programmatic proposals have practical implications for healthcare policy and clinical practice, underscoring the translational impact of her research.

I am confident that Dr. Baiguissova’s research significantly contributes to the public



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health and radiology services field. Her work not only advances scientific understanding but also provides actionable strategies for improving diagnostic services in Kazakhstan.

I strongly support the Doctor of Philosophy (PhD) in Public Health award to Dinara Baiguissova.

Sincerely,

International Scientific Consultant

Prof. Andrea Laghi, MD

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