

Radiology

October 1, 2021

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Dissertation Council Asfendiyarov Kazakh National Medical University Almaty, Kazakhstan

Divisions

RE: Akmaral Ainakulova, PhD Candidate

Abdominal Radiology
Cardiovascular & Thoracic Radiology
Community Radiology
Emergency Radiology
Medical Physics
Musculoskeletal Radiology
Neuroradiology
Vuclear Medicine & Molecular Imaging
Pediatric Radiology
Vascular & Interventional Radiology
Women's Radiology

Dear Dissertation Council:

Practice Locations

Dr. Akmaral Ainakulova contacted me in 2018 and gave me some preliminary information about her future dissertation research on contemporary radiology technologies in breast cancer early detection. Her study effort aligned with my interests in the field of breast imaging. In fact, I've written more than 20 peer-reviewed studies on the subject. I'm glad to learn that Dr. Ainakulova's PhD work is nearing completion, with the public defense of her dissertation on the horizon. I am delighted to submit this letter to Asfendiyarov Kazakh National Medical University's Dissertation Council as a synopsis of Dr. Ainakulova's PhD study.

Albert B. Chandler Hospital
Comprehensive Breast Care Center
Gill Imaging Center
Kentucky Children's Hospital
Kentucky Clinic
Kentucky Clinic South
Polk Dalton Clinic
Professional Arts Center
UK Good Samaritan Hospital
UK HealthCare at Turfland

Dr. Ainakulova's research study on contrast enhanced spectral mammography in the diagnosis of breast cancer was reviewed by me. The findings of this study were recently published in the international journal Contemporary Oncology/Wspóczesna Onkologia (Ainakulova A., et al. Contrast-enhanced spectral mammography without and with a delayed image for diagnosing malignancy among mass lesions in dense breast (2021)). This is an excellent work in my opinion, with very encouraging results.

In addition, Dr. Ainakulova has evaluated the role of imaging methods in breast cancer screening, with the results also published in 2021 (Ainakulova A., et al. The role of modern imaging techniques in additional visualization of breast cancer screening: a literary review. Siberian Oncology Journal).

The main provisions and results of Dr. Ainakulova's dissertation research were reported at the European Congress of Radiology (Austria, 2020) and Korean Congress of Radiology (South Korea, 2019, 2020).

Dr. Akmaral Ainakulova has proven herself to be a knowledgeable and motivated researcher throughout her planning process, methods, and results. During the implementation of scientific research as part of her dissertation work, Dr. Ainakulova displayed strong analytical and organizational skills. Dr. Ainakulova appears to have definitely accomplished the purpose of her dissertation thesis, which is to improve breast cancer diagnostics. I am fully supporting Dr. Ainakulova's well deserved title of Doctor of Philosophy (PhD). Please do not hesitate to contact me if you have any questions.

Sincerely,

Margaret Szabunio, MD
Margaret Szabunio, MD (Oct 1, 2021 17:10 EDT)

Margaret M. Szabunio, MD, FACR, FAAWR

Professor, Department of Radiology, Surgery & Biomedical Engineering Division Chief, Women's Radiology Director, Women's Radiology Fellowship University of Kentucky College of Medicine

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