



**MARMARA UNIVERSITY SCHOOL OF MEDICINE  
DEPARTMENT OF PEDIATRIC NEPHROLOGY**

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October 15, 2021

**Dissertation Council,  
West Kazakhstan Marat Ospanov State Medical University  
Aktobe, Kazakhstan**

**RE: Altynay Balmukhanova Maksatovna, PHD Candidate**

I am happy to write this letter regarding my work with Dr Altynay Balmukhanova Maksatovna during her studies in PhD program.

I met DrAltynay Balmukhanova Maksatovna in September 21-22, 2018, II National Congress of nephrologists, dialysis physicians and transplantologists and VI Kazakh-Turkish Nephrology Congress (Shchuchinsk-Astana, Kazakhstan). She told me about her research plans in children with chronic kidney disease and since then I have been in contact with her.

On June 16-28, 2019 she visited Istanbul, Turkey, and on December 5-6, 2019, and I visited Almaty, Scientific and practical conference with international participation "Pediatric Nephrology Update" within the framework of "University Days -2019" (Almaty, Kazakhstan). Both in Istanbul and Almaty we had chance to meet and discuss her work.

Steps in her PhD program between 2018-2021 were:

1st step - literature review, deciding and planning what to do, solving organizational problems (app. Sept 2018 - March 2019)

2nd step (during her visit to Istanbul) - planning the research in detail and discussing it

3rd step (during my visit to Almaty) - discussing primary results, planning and preparing for manuscript.

4th step - writing manuscript and publication (2020-2021)

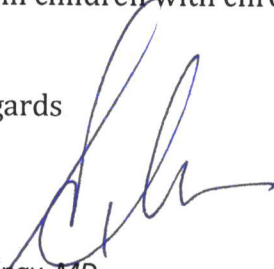
During her hard work on "Clinical and diagnostic significance of FGF-23 in children with chronic kidney disease", she portrayed high level of performance and ethical work, excellence

in correlating theoretical work to practice. She is able to fulfill her duties and responsibilities properly and in time though Covid 19 pandemics affected all of us worldwide.

I provided advice to Dr Altynay Balmukhanova Maksatovna by email and whatsapp messages on statistical analysis of the data and on writing a paper reporting the study's findings. She was succesful in every step.

Dr Altynay Balmukhanova Maksatovna has proven to me that she is an excellent researcher and I am sure that her work merits the award of a PhD. She completed an important study of FGF-23 in children with chronic kidney disease which has an international significance

Best regards



*Harika Alpay, MD*

*Professor of Pediatrics*

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