



Evaluation of Death Rates of Patients on The Deceased Kidney Waiting List of Bursa Uludag University Faculty of Medicine According to Years by Gender, Age, Blood Group and Dialysis Types

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There are 22,953 end-stage kidney disease patients on the national deceased kidney waiting list.¹ According to the 2019 Registry Report of the Turkish Society of Nephrology, the number of patients receiving dialysis is 64,633. The number of patients receiving hemodialysis (HD) and peritoneal dialysis (PD) is 61,341 and 3,292, respectively.² However, patients registered on the national kidney waiting list consist of preemptive, PD, and HD patients. Due to the increase in the average life expectancy of the elderly population in our country, chronic kidney disease and comorbid diseases are increasing day by day.

In this study, the characteristics of the patients who died on the deceased kidney waiting list of our kidney transplant center were evaluated retrospectively. Our center's patient data

were obtained from Transplantation Dialysis Monitoring System records. Turkey's general patient data were obtained from the Turkish Statistical Institute and the 2019 Registry Report of the Turkish Society of Nephrology.

In our center, the number of patients who died on the kidney waiting list from deceased donors was 350 (HD: 273, PD: 73, and preemptive: 4). The number of female patients was 134 (38.2%), and the number of male patients was 216 (61.4%). Our patients' distribution by gender and kidney replacement therapies was in line with the 2019 Registry Report of the Turkish Society of Nephrology. The number of patients who died by year is shown in Figure 1.

In our study, deaths between the age range of 50-59 and 60-69 registered in our center and died



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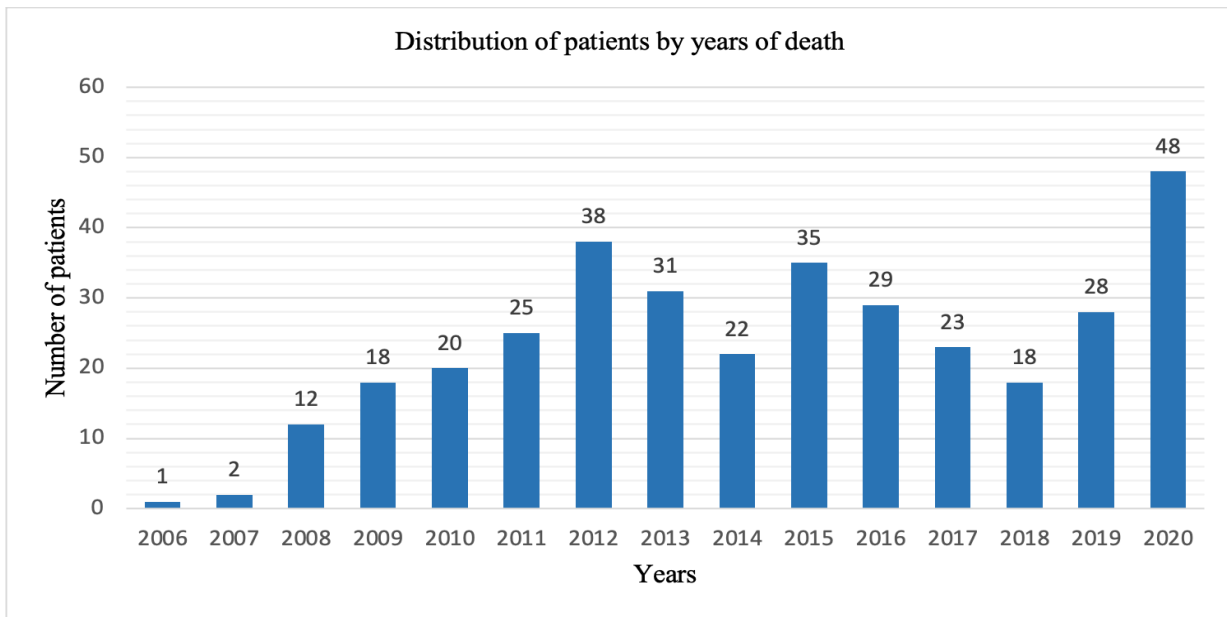


Figure 1. Distribution of the number of patients who died by years.

constitute 56% of the total deaths. Patients with chronic kidney failure have a high risk of death between the ages of 50 and 69. In one study, the course of COVID-19 disease caused by the SARS-CoV-2 virus is terrifying in elderly, co-morbid diseases, and male patients.³ Also, COVID-19 is severe and fatal in chronic kidney disease. With the COVID-19 disease being a pandemic in the world in 2020, according to the data of the current World Health Organization (WHO) dated 07.02.2021, 105,394,301 cases were detected in the world 2,302,302 deaths occurred.⁴ When we look at the distribution of cases by year, the death rate in 2020 is the highest. This situation may be related to COVID-19 disease. However, we could not be obtained the causes of death of these cases from the death notification system of the Ministry of Health, and the relationship with COVID-19 could not be clearly determined.

Due to the high mortality rates in the range of 50 to 69 years of age of patients in kidney transplant waiting lists, especially for patients with advanced age with chronic kidney disease “Turkey Kidney Diseases Prevention and Control Program”⁵ to be controlled although work on the policy for new infectious diseases needs to be improved.

Conflict of Interests

Authors declare that there are none.

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