Letter to the Editor

Relationship between ABO Blood Group and End-stage Renal Disease in Latakia, Syria

To the Editor,

The relationship between blood group type and the incidence of diseases has been studied.1 Some studies reported possible link between blood group O and stomach cancer,2-5 bladder cancer in group A carriers6 and hepatocellular carcinoma in non-group (O) carriers.7

We tested the blood groups in 231 patients treated by hemodialysis (HD) in Latakia, Syria and recorded and compared the distribution of blood groups in these patients to those in 11,320 healthy blood donors.

We found blood group A in 71 patients (30.7%), blood group B in 34 patients (14.7%), blood group O in 118 patients (51.1%), blood group AB in eight patients (3.5%). These results compare to 40%, 8%, 47%, and 5% in Groups A, B, O, and AB, respectively, in the general population.

Blood Group A, prevalence among our HD patients, was found to be significantly lower than in the general population ($P = 0.0001$). Conversely, the prevalence of Blood Group B was significantly higher than in the general population ($P = 0.0001$).

Acknowledgments

The authors would like to thank Fadi Alrakhtawan, Master in Informatics Engineering (data programmer) and the Alandalus University, Tartous, Syria, for the support in conducting this study.

Conflict of interest: None declared.

References