Interrelation of Blood Type, Character, and Diseases

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Abstract

Introduction:

Several studies have been done to see if there is a link between infectious diseases and blood groups. However, no studies have been done to see if there is a link between the frequency and severity of leptospirosis and blood types. The goal of this study was to find out if there is a link between blood type and how bad leptospirosis is.

We used a case-control design to examine 2018 leptospirosis cases among hospitalized patients in different hospitals in Punjab ,Pakistan. Patients' loved ones volunteered to be the study's control group. Testing was done to determine the patient's blood type (ABO and Rh) and the extent of the illness. Statistics were evaluated using SPSS 22.

The findings show that 300 participants (150 in the case group and 150 in the control group) joined the study. There were 81.3% males and a mean age of 44.35 15.39 years. O+, A+, and B+ were the most common blood types in both sets of participants. This difference in blood group frequency was statistically significant (P =.037). There was no statistically significant correlation between illness severity and ABO or Rh blood types (P >.05).

Conclusions:

In our analysis, O+ individuals made up the majority of those suffering from leptospirosis. Patients had a much higher frequency of O than controls did, but there was no correlation between leptospirosis and

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Rh. People with more advanced disease were more likely to have this blood type. Finally, ABO and Rh blood types do not correlate with illness severity in a statistically significant way.

Keywords: *Interrelation, Blood Type, Character, Diseases*

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