

Assessment of the Knowledge and Practices of Healthcare Workers and Patients Regarding Prevention of Tuberculosis at a Tertiary Care Hospital of Southern Punjab

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Abstract : Background; Tuberculosis remains a significant public health challenge in Pakistan, with high incidence and prevalence rates, particularly among vulnerable populations. Addressing the TB burden requires comprehensive efforts to improve healthcare infrastructure, increase access to quality diagnosis and treatment services, raise public awareness, and address socioeconomic determinants of health. Objective; To assess the knowledge and practices of healthcare workers and patients regarding prevention of tuberculosis at a tertiary care hospital of Southern Punjab. Material and methods; Data will be collected from 135 healthcare workers and 135 TB patients visiting Nishtar Hospital, Multan in this descriptive cross-sectional study using non-probability consecutive sampling technique. Proper approval will be taken from Hospital authorities to conduct this study. Study participants will be recruited after taking informed written consent, describing them objectives of this study. The study participants will be ensured of their confidentiality of the data and interviewed to assess their knowledge and practices regarding prevention of tuberculosis. Data Analysis Procedure; Data will be entered and analyzed by using SPSS version 25 to calculate mean and standard deviation for the numerical data such as age, duration of disease and duration of experience. Frequencies and percentages will be calculated for gender, age groups, level of knowledge, qualification, designation and practices. Impact of confounders like gender, age groups, duration of experience, disease duration, years of experience and designation will be assessed by stratification. Post stratification chi-square test will be applied at 0.05 level of significance at 95 % CI.

Keywords : tuberculosis, data analysis, HIV/AIDS, preventable

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