

Original Paper

Relation of knowledge and attitude with control of medication in tuberculosis patients in Ahvaz-Iran

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Abstract

Background and Objective: Although directly observed treatment (DOT) strategy had decreased tuberculosis (TB) mortality, but in developing countries, TB is yet one of the leading cause of deaths. Inappropriate treatment regimens and poorly planned and one of the TB control programs have contributed to rise in its incidence. The purpose of this study was to describe knowledge, attitude and compliance with tuberculosis treatment.

Materials and Methods: This descriptive – analytic study was done on 167 tuberculosis patients in Ahvaz-Iran during 2009. A questionnaire, observation, sputum smear, potts – cozart test (for detect of isoniazide metabolites in urine) was used for data collection. Reability of questionnaire was determined by alpha-cronbach correlation method ($\alpha=0.81$). Data analyzed with Chi-Square test.

Results: The findings showed that 52.7%, 35.3% and 12% of the patients demonstrated good, midscores and poor adherence to drug regimen respectively. Also there was a significant relation between control of medication and knowledge and attitude in tuberculosis patients ($P<0.05$).

Conclusion: This study showed that a half of patients used medication according to DOT strategy, knowledge and attitude were effective on quality of adherence to the medication.

Keywords: Tuberculosis, Drug regimen Adherence, Knowledge, Attitude

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Received 13 Jun 2010

Revised 1 Mar 2010

Accepted 15 Apr 2010

This paper should be cited as: Jahani S, Elahi N, Shahinzade A, Hakim A, Latifi SM. [Relation of knowledge and attitude with control of medication in tuberculosis patients in Ahvaz-Iran]. J Gorgan Uni Med Sci. Winter 2011; 12(4):80-84. [Article in Persian]