

## Risk factors associated with compliance of Tuberculosis patients anti TB treatment among the TB patients of Kandahar Regional Province regional TB diagnosis and treatment center-Afghanistan

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### Abstrak

Compliance of TB patients with anti TB drugs treatment is a universally recognized problem specially in asian developing countries which results at the consequences of the TB treatment compliances, today there are TB cases defaulters, relapses and MDR TB which is mostly occurring in all over the world due to different reasons of the compliances, and Afghanistan is one of the 22nd highest TB burden country in the world. The main problem of TB treatment compliance in Afghanistan can be explained at two aspects: First there would be a high prevalence of TB positivity in country level because of inaccessibility to the health services in the rural areas due to war and low security, second behavioral changes and lack of knowledge of the community about the disease and wrong beliefs and perceptions, socioeconomic factors, socio demographic factors and socio psychological factors, all these factors could be determined and influence the compliance of TB patients among the TB patients in the country.

### Objective

To determine what factors associated and influenced the compliance of TB patients with anti TB drugs treatment in Kandahar Afghanistan.

### Materials and methods

It was descriptive study, the study was including 243 TB patients participated 79 TB patients interviewed with well structured questionnaire.

### Results

TB patients as much as 58.23 % was not good compliance of their anti TB treatment and 41.77% was good compliance of their anti TB treatment, and the compliance rate was higher among those patients who were not good compliance, however from small sample size statistic could not detect any significant association.

### Conclusion

The high prevalence of TB cases in the country and high level of compliance of TB patients among the TB patients with the factors influencing the compliance of the treatment is essential to control and take measure immediately, the evidence strengthen the need of collaboration to change the behavior of the community properly for teenagers and activate the education and the result attract to focus more and pay attention on the factors influencing the compliance specially for those who have no any access to the health services to satisfy and encourage them for their regular anti TB treatment therapy.