Effectiveness of multifaceted intervention on adherence, knowledge regarding side effects of drug, and prevention of complications among epilepsy patients in a selected hospital

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Abstract

Introduction: Adherence to treatment, side effects of epileptic drug, and complications of epilepsy are the major health problems faced by epileptic persons throughout the world. Objective: The study was undertaken with the objective of assessing the effectiveness of multifaceted intervention on adherence to treatment and knowledge regarding side effects to epileptic drug and prevention of complications of epilepsy among the patients with epilepsy. Methods and Materials: Pre experimental one group pretest and posttest design were adopted. Morisky medication taking adherence scale and a structured knowledge questionnaire was used to collect the data. A sample of 60 epileptic patients was selected by non-probability purposive sampling technique. Results: Majority of the epileptic patients had moderate level of adherence to the treatment and knowledge regarding side effects and prevention of complications of epilepsy. There was significant difference between the mean pre-test and posttest score of adherence to treatment and knowledge regarding side effects to epileptic drug and prevention of complications of epilepsy among patients with epilepsy. There was no correlation ($r = .022$) between the adherence to treatment and the knowledge regarding side effects and prevention of complications of epilepsy among patients with epilepsy. The knowledge was significantly associated with educational status (7.892, df=3) at 5% level ($p < .05$). Conclusion: Based on the above findings, the present study concluded that multifaceted interventions have an immense effect on improving adherence and knowledge regarding side effects, and prevention of complications of epilepsy.

Keywords: Multifaceted interventions, Adherence to treatment, Knowledge, Side effects, Epilepsy, Complications