Objectives:

Most of studies on medication-related problems (MRPs) have been done internationally, but in India very limited research has been conducted to exemplify the impact of medication-related problems that result in hospital admission.

Some of the most common medication-related events are like inappropriate drug selection, no indication for drug, untreated indication, drug-drug interaction, inappropriate drug form, low dose, over dose, inappropriate dosage schedule, inappropriate treatment duration, adverse drug reaction, prescribing error, dispensing error, patient error and documentation error are observed in hospitalized patients.

In fact most of these medication-related problems are preventable with little attention and precaution. So the purpose of this study is to prospectively evaluate the frequency, severity and types of events of MRPs resulting in hospitalization in the department of medicine, pediatric and OBG of a large tertiary care teaching hospital, and to identify any patient, prescriber, drug and system factors associated with these problems. It would be helpful the prescriber as well as patients.

Primary objective:

- To assess and evaluate the medication-related problems.

Secondary objectives:

- To screen the prescriptions and treatment chart in the case report for medication related problems of the inpatients.
- To categorize/classify different kind of medication related problem in the inpatients of hospital.
- To comparative study of grade of drug interaction between the online drug interaction checker and text book.
- To evaluate appropriateness of drug therapy
- To evaluate the knowledge and attitude of the inpatient towards the medication related problem during treatment.