

## Applied Analysis of the Causes and Prevention Strategies of Medication Errors

### Abstract

**Background:** Today, according to the statistics of medical errors in Iran, medication errors are considered as the most common error in Medicine, and due to the complications caused by it, measures should be taken for it. Medication errors can be caused by several reasons, the most important of which are explained in this article along with solutions for its prevention. The aforementioned suggestions are compatible with the laws of Iran's medical legal system and conventional procedures in the field of health because they are enforceable.

**Results:** In this article, prevention strategy for medication error has been proposed based on four practical steps, including all drug treatment processes, from the pre-prescription and prescription (training of doctors) to after the occurrence of the medication error and the complaint stage in the court. In this regard, we believe that in order to minimize drug error statistics, coordination and cooperation of all the country's organs is required. Apart from all the analytical and interpretative discussions of this issue, which have been done many times by different researchers, there is a need for practical ideas. These suggestions have been predicted by taking into account the electronicization of prescriptions and the causes of medication errors so that they have the possibility of being implemented in the Iranian society, rather than having only an analytical aspect.

**Keywords:** Medication error, Report, Electronicization drug, Prescription, Barcode reader, Supervision, High alert drugs

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