

## The Role of Pharmacist in The Community: A Study of Methanol Toxicity Disaster in Tripoli Libya During March 2013

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**Abstract :** Mass poisonings with methanol are rare but occur regularly both in developed and in non-developing countries. As a result of the tragedy that happened in the city of Tripoli Libya in March during year 2013 a number of patients were admitted to Tripoli Medical Center and Tripoli Central Hospital suffering from poisoning following ingestion of methanol by mistake. Our aims have been formulated to collect Information about those cases as much as we can from the archiving departments from the two hospitals including the number of cases that had been admitted, recovered patients and died victims. This retrospective study was planned to find out the reasons which allow those patients to drink methanol in our Muslim community and also the role of pharmacist to prevent such a disaster that claimed the lives of many people. During this tragedy 291 ospitalized patients their ages between 16-32 years old were admitted to both hospitals, total number of died 189 (121 at Tripoli medical center) and (68 at Tripoli central hospital), demographic data also shows that most of them are male (97%) and (3% female), about 4% of the patients foreigners and 96% were Libyans. There were a lot of obstacles and poor facilities at the time of patient admission as recognized in many cases including lack of first line of treatment. The morbidity was high due to the lack of antidote and availability of dialysis machines at this two main hospitals in Tripoli also according to survey done to the medical staff and also a random number of medical students shows about 28% have no idea about the first aid procedure used for methanol poisoning cases and this due to the absence of continuing education for all medical staff through the establishment of training courses on first aid, rapid diagnosis of poisoning and follow the written procedures to dealing with such cases.

**Keywords :** ethanol, fomepizole, methanol, poisoning

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