

An overview study of drug abuse monitoring

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Abstract

Objectives; the abuse of drugs can have serious ramifications on a person's physical health, mental health, and overall well-being. Aim of the work is to determine the prevalence of some drugs among patients from the laboratory point of view.

Methods; the sample size for this study was five hundred patients with acute poisoning by some drugs of abuse. In this study all patients were subjected for detection of drugs of abuse in urine by EMIT system and Gas Chromatography / Mass Spectrometry (GC/MS) for confirmation of the obtained results.

Results; the study revealed that the percentages of positive urine samples by Enzyme Multiplying Immunoassay Technique (EMIT) confirmed by Gas Chromatography / Mass Spectrometry (GC/MS).

Conclusion; presence of these drugs has a serious effect on man health, consequently his environment.

Recommendations; it is recommended that public health intervention aimed at preventing drug use among inhabitants should be designed to raise awareness about the negative effects of drug abuse.

Keywords: Patients, Drugs, prevalence. EMIT.



Biography:

Dr. Raafat is an associate consultant (Professor) of Toxicology at the Emergency Hospital in the Faculty of Medicine at Mansoura University, Egypt. He obtained a PhD of hydrogeochemistry in 2004, at Mansoura University and previously completed an MSc in hydrogeochemistry in 2001 at the same institution. He also has a Diploma of toxicology and forensic chemistry (1996) from the Faculty of Medicine and a Diploma of applied chemistry (1993). Dr. Raafat specializes in medical analysis, toxicology & forensic chemistry as well as water pollution. He has published papers over 10 local paper and 13 in international publications. He has spoken at 55 local conferences and workshops and 15 international meetings. He is currently a member of eight international scientific societies.

Speaker Publications:

- 1.Raafat Abdeldayem (2018) ABUSE DRUGS BY GAS CHROMATOGRAPHY MASS SPECTRUM. Journal of Systems Biology & Proteome Research (2),53.
- 2.Raafat Abdeldayem (2019) A preliminary study of heavy metals pollution risk in water. Applied Water Science 10:1.

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