Monitoring of cannabis in ischemic cardiac young Egyptian males

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Cannabis is one of the most widely cultivated, trafficked and abused illicit drugs all over the world. Recent studies concluded that smoked cannabis (Hashish and Bango) has the highest prevalence among substances induced disorder used in Egypt. Common Risk factors of cardiac disease include obesity, weight, sedentary lifestyle, age, metabolic factors such as elevated cholesterol levels, and tobacco smoking. There is controversy in studies concerning cannabis related cardiovascular disease. Most of these studies depend on patient’s history of cannabis usage which may be false. Aim of this work is to study the possible association of cannabis consumption and the development of the myocardial injury in low risk males and to specify the cardiac pathological changes developed in cannabis exposed patients. This is a cross sectional study that was carried out on 138 male patients, aged 40 years or less, with acute myocardial infarction admitted to the intensive care unit of Cardiology care unit, Tanta University hospital during the period from August 2014 to January 2015. Urine samples were submitted for toxicological analysis of drugs related disorders using a homogenous enzyme immunoassay technique. Cannabis positive patients were approximately 27% of all studied patients. Other risk factors of cardiac disease including hypertension, diabetes and dyslipidemia were absent in cannabis positive patients. In relation to cannabis levels in urine, there were significant changes in ECG changes including STEMI and NSTEMI, Coronary angiography including one, two or three vessels occlusion and Echo- cardiography as regards good, fair cardiac output and diastolic dysfunction. The study concluded that cannabis could be potential risk factors for development of cardiac ischemia.

Biography
Eman I Draz has PhD of clinical toxicology from Faculty of medicine, Tanta University Egypt on 2004. She has diploma in Total quality management, American University Collage, Egypt. She is the Former manager of poison control center, Tanta University hospital, Egypt. She is the Manager of general service center, Faculty of medicine, Tanta University. She has published 12 papers in reputed journals and has been serving as reviewer in international journals.

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