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LVSD in high risk patients with acute myocardial infarction

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Aim: The aim of this study was to determine the frequency of Left Ventricular Systolic Dysfunction (LVSD) following an acute ST Segment Elevation Myocardial Infarction (STEMI) in patients with cardiovascular disease risk factors such as gender, increasing age, smoking, hypertension, diabetes, obesity and dyslipidemia.

Method: This study was conducted in the department of cardiology, Hayatabad Medical Complex, Peshawar from March 2014-August 2014. Through a descriptive cross sectional study design, a total of 379 high risk patients of acute Myocardial Infarction (MI) were included in the study in a consecutive manner and subjected to echocardiography to detect LVSD under informed consent and approval from the hospital ethical and research committee.

Result: Of the 379 patients in this study 56.3% were males and 43.8% were females. The mean age of the patients was 52.2 years with a standard deviation of 8.08 years. 57.3% were smokers, 52.8% were Hypertensive (HTN), 43% were diabetics, 23.5% were classed as obese and 53.8% had dyslipidemia. 37.7% of these patients were found to have LVSD after echocardiography.

Conclusion: LVSD has an occurrence rate of greater than 1/3 in people with a mean age of 52.2 years, favoring slightly more men than women with cardiovascular disease risk factors, who have suffered a STEMI.

Biography

Saeed Razaq received his Bachelor of Medicine and Bachelor of Surgery at Kabir Medical College in Peshawar, Pakistan. He has completed a Residency in Internal Medicine and Cardiology at Hayatabad Medical Complex. Upon completion of USMLE examinations he has embarked upon multiple research projects, attended several workshops in research methodology, biostatistics and dissertation writing in collaboration with World Health Organization along with volunteering in flood relief and raising awareness for polio vaccine in Pakistan.

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