

51<sup>st</sup> CARDIOCON 2022: ABSTRACT

**EFFICACY OF ACCELERATED STREPTOKINASE INFUSION IN THE TREATMENT OF ST ELEVATION MYOCARDIAL INFARCTION**

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**Objectives:** Cardiovascular disease (CVD) is considered as one of the important priorities in the health systems of all countries. Approximately 550,000 first episodes and 200,000 recurrent episodes of acute myocardial infarction occur annually worldwide. Globally, ischemic heart disease has become the leading contributor to the burden of disease as assessed on the basis of disability-adjusted life-years. To determine the efficacy of accelerated streptokinase in patients with acute ST elevation myocardial infarction.

**Methodology:** This Descriptive study was done in the Department of Cardiology, Hayatabad Medical Complex Peshawar from August 2020 to February 2021. Total 144 patients were observed. All patients were subjected to SK in a dose of 1.5million units over 60 minutes. All patients were under strict observation and a repeat ECG was performed to determine the efficacy of accelerated SK.

**Results:** Our study shows that among 144 patients mean age and standard deviation was  $61 \pm 8.19$ . 88(61%) patients were male and 56(39%) patients were female. More over accelerated streptokinase was effective in 92(64%) patients and was not effective in 52(36%) patients.

**Conclusion:** The accelerated SK infusion regimen of 1.5 MU in 20 min is safe and well tolerated with significantly faster and higher clinical reperfusion rates, more preserved LV systolic function, less atrial and ventricular sustained arrhythmias, and less in-hospital and 1 year mortality rates in acute STEMI.

**Keywords:** Accelerated streptokinase, Acute ST elevation myocardial infarction, Efficacy

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