

51st CARDIOCON 2022: ABSTRACT

**FREQUENCY OF SUCCESSFUL THROMBOLYSIS WITH
STREPTOKINASE IN PATIENTS WITH ACUTE ST ELEVATION
MYOCARDIAL INFARCTION**

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Objectives: To assess the frequency of successful thrombolysis with streptokinase in patients presenting with ASTEMI within 12 hours of onset of chest pain.

Methodology: This descriptive case series was conducted at cardiology department, Khyber Teaching Hospital Peshawar during 6 months (from 16/12/2020 to 16/6/2021). In the current study a total of 340 patients were observed. Acute STEMI (as per operational definition) was interviewed through a questionnaire with special emphasis on age, presence/absence of diabetes, Troponin levels, and Electrocardiogram and echocardiogram findings consistent with the inclusion criteria. All the patients included were given Streptokinase at a dose of 1.5 million units diluted in 100 ml normal saline over 1 hour through infusion chamber. Fasting Blood glucose level were monitored every morning during admission and Post Streptokinase ECG was recorded after 30 minutes of the Streptokinase infusion. The purpose and benefits of study was explained to the patients and informed consent was obtained. With the help of above mentioned information relative risk of rate of successful thrombolysis in diabetic and non-diabetic patients was determined.

Results: Our study shows that among 340 patients mean age and standard deviation was 61 ± 8.19 . 224(65.9%) patients were male and 116(34.1%) patients were female. More over 242(71.2%) patients had successful.

Conclusion: Our study concludes that the frequency of successful thrombolysis with streptokinase was 71% in patients presenting with ASTEMI within 12 hours of onset of chest pain.

Keywords: successful thrombolysis, acute ST elevation myocardial infarction

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