



## **TITLE:** Validity of the Stent Thrombosis Risk Score in Predicting Early Stent Thrombosis after Primary Percutaneous Coronary Intervention

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### **ABSTRACT (upto 300 words)**

Aim of study was to determine the validity of Stent Thrombosis Risk Score (STRS) in predicting early stent thrombosis (ST) after PPCI. For this study, 569 pts undergone PPCI from July 2018 to December 2018 were recruited. The STRS was calculated as developed, and validated in a past study. ROC was performed to determine the optimal cut-off value and AUC. The median age was 56 [61-50] years. Early ST was observed in 33 (5.8%) patients. The median STRS was 4 [5-3] vs. 3 [4-2];  $p=0.009$  for pts with/without Early ST respectively. STRS was found to be an independent predictor of early ST with an adjusted odds ratio of 1.41 (1.02-1.95). AUC was 0.631 and the optimal cut-off value was  $\geq 5$ . Early ST rate was 3.3% at STRS of 0-2, which raised to 5.0% at STR of 3-4, and 17.2% at STR of  $\geq 5$ . In conclusion, STRS was found to be an independent predictor of early ST after primary PCI and has significant discriminating power. The rate of early stent thrombosis after primary PCI exponentially increased at STRS cut-off value of  $\geq 5$ .

### **BIOGRAPHY (upto 200 words)**

Dr. Rajesh kumar completed his FCPS Cardiology in 2014 and then did Interventional Cardiology fellowship for 2 years, since 2016 he is working as Assistant Professor of cardiology at National Institute Of Cardiovascular Diseases Karachi Pakistan. He has around 20 publications to his name in national and international journals.

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