**ANTIPLATELET DRUG RESISTANCE IN ASIAN POPULATION**  
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**Background**: Stent thrombosis and consequent post PCI complications are being reported from many centres in India. There is very little data on Aspirin and Clopidogrel resistance in Indian population.

**Aim**: The study is to estimate the prevalence of Aspirin and Clopidogrel resistance in Indian patients following Percutaneous Coronary Intervention.The study included a total of 200 consecutive patients who underwent PCI and consented for the study.

**Methods**: Anti-platelet drug resistance was evaluated on day seven of PCI using Verify nowTM RPFT point of care system.

**Results**: 174 patients (87 % males) were studied, the mean age of the population was (range 35 to 83 years). The study showed that 43 patients ( 22%) were resistant to Aspirin. There was significant (P-0.03) difference among male and female patients regarding aspirin resistance 124/11 (71/42%).There is no significant difference (P-0.450) in Aspirin resistance /sensitivity based on age strata. This study did not show any statistically significance (P0.973) in Aspirin resistance in patients with or without diabetes mellitus. This study showed that 65 patients (32.%) are resistant to Clopidogrel.There is significant (P-0.003) difference in Clopidogrel sensitivity/ resistance in male/ female patients. Our study did not shows statistically significant (P-0.07) difference in Clopidogrel Sensitivity /resistance in Age distribution. There was no statistically significant difference (P-0.141) in Clopidogrel sensitive / resistance in diabetes patients. Our study also shows 6.5 % of the patients are resistant to both Aspirin and Clopidogrel.

**Conclusion:** Our prospective study shows a 22% prevalence of Aspirin resistance and 32% prevalence of Clopidogrel resistance is in patients undergoing coronary intervention by VerifyNow Point of care platelet functions analyser in Indian community. Incidence of Clopidogrel resistance (32 %) is similar to other ethnic populations in the world. There is high preponderance of Clopidogrel resistance among women as in other populations.