**Appendix Table E86. Results from studies assessing the ability of TEG to predict bleeding events in patients with ischemic heart disease**

| **Author, year**  **UID**  **Country**  **Study name** | **Treatment** | **Phenotypic Test Used [index test]** | **Clinical Outcome** | **Outcome Definition** | **Timing of measurement** | **Index test result: category (e.g., HPR+) – ONE ROW PER PHENOTYPE GROUP** | **Outcome status (e.g., bleeding or no bleeding)** | **No. with outcome status within phenotype group** | **Comparative metric (OR, RR, HR)** | **95% CI** | **P (between which groups?)**  **[statistical test]** | **Adjusted?**  **[YES/NO/NR]**  **If YES, for what factors?** | **Procedures for multiple comparisons [YES, NO, NR]** | **Comments (e.g., additional data in figures)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Blinden,  2006  17291930  USA  NR | clopidogrel  75 mg qd | ADP-induced platelet reactivity | Major bleeding | Major bleeding | Day 0-30 | HPR n=22 | Major bleeding | 1/22 | OR=10.95 (calculated) | 0.4-278.6 | p=0.15  HPR vs NPR  Fisher’s exact test | NR | NR |  |
|  |  |  |  |  |  | NPR  N=78 | Major bleeding | 0/78 |  |  |  |  |  |  |
|  |  |  |  |  | Day 31-365 | HPR n=22 | Major bleeding | 0/22 | OR=3.5 (calculated) | NR | p=0.53  HPR vs NPR  Fisher’s exact test | NR | NR |  |
|  |  |  |  |  |  | NPR  N=78 | Major bleeding | 0/78 |  |  |  |  |  |  |
|  | clopidogrel  75 mg qd | ADP-induced platelet reactivity | Minor bleeding | Minor bleeding | Day 0-30 | HPR n=22 | Minor bleeding | 1/22 | OR=3.7 (calculated) | 0.2-61.1 | P=0.37  HPR vs NPR  Fisher’s exact test | NR | NR |  |
|  |  |  |  |  |  | NPR  N=78 | Minor bleeding | 1/100 |  |  |  |  |  |  |
|  |  |  |  |  | Day 31-365 | HPR n=22 | Minor bleeding | 0/22 | OR=3.5 | NR | p=0.54 HPR vs NPR  Fisher’s exact test | NR | NR |  |
|  |  |  |  |  |  | NPR  N=78 | Minor bleeding | 0/100 |  |  |  |  |  |  |
|  | clopidogrel  75 mg qd | ADP-induced platelet reactivity | bleeding events | bleeding events | Day 0-30 | HPR n=22 | bleeding events | 2/22 | OR=7.7 (calculated) | 0.7-89.3 | p=0.10  HPR vs NPR  Fisher’s exact test | NR | NR |  |
|  |  |  |  |  |  | NPR  N=78 | bleeding events | 1/78 |  |  |  |  |  |  |
|  |  |  |  |  | Day 31-365 | HPR n=22 | Bleeding events | 0/22 | OR=3.5  (calculated) | NR | p=0.54 HPR vs NPR  Fisher’s exact test | NR | NR |  |
|  |  |  |  |  |  | NPR  N=78 | Bleeding events | 0/78 |  |  |  |  |  |  |
| Kwak,  2010  211266640  Korea  OPCABG | aspirin 100 mg and  clopidogrel 75 mg | TEG  platelet inhibitory response to clopidogrel | post-operative transfusion requirement | post-operative transfusion requirement | 5 days | Third tertile of platelet inhibitory response (>76.5%) | post-operative transfusion requirement | 2/33 | OR=10.63 | 2.7-41.78 | 0.001 comparing first and second tertile  logistic regression model | No | NR |  |
|  |  |  |  |  |  | First & Second tertile of platelet inhibitory response (<76.5%) |  | 4/66 |  |  |  |  |  |  |
|  | aspirin 100 mg and  clopidogrel 75 mg | TEG  platelet inhibitory response to clopidogrel | post-operative transfusion requirement | post-operative transfusion requirement | 5 days | Third tertile of platelet inhibitory response (>76.5%) | post-operative transfusion requirement | 2/33 | OR=11.44 | 2.77-47.3 | 0.001  comparing first and second tertile  logistic regression model | yes (variable with p<0.2 the discontinuation date of clopidogrel, tertile  distribution of the percentage of the platelet inhibitory  response, the number of grafts performed) | NR |  |
|  |  |  |  |  |  | First & Second tertile of platelet inhibitory response (<76.5%) |  | 4/66 |  |  |  |  |  |  |
|  | aspirin 100 mg and  clopidogrel 75 mg | TEG  platelet inhibitory response to clopidogrel | post-operative transfusion requirement | post-operative transfusion requirement | 5 days | platelet inhibitory response ≥70% | post-operative transfusion requirement | NR | AUC= 0.771  Sensitivity= 0.778  Specificity= 0.75 | 0.674‑ 0.868 | <0.001  from ROC | No | NR |  |
|  |  |  |  |  |  | platelet inhibitory response <70% |  | NR |  |  |  |  |  |  |
| Tang, 2012  22490487  China  NR | 100mg aspirin and 75 mg clopidogrel (con) | ADP-induced platelet reactivity | intracranial hemorrhage | intracranial hemorrhage | 12 months | control group | intracranial hemorrhage | 0/30=0 | OR=1(calculated) |  | <0.05 con vs R+R  ANOVA | **NR** | **NR** | **from table 5** |
|  | 100mg aspirin and 75 mg clopidogrel (R+R) |  |  |  | 12months | resistance plus routine |  | 0/30=0 |  |  | <0.05 R+R vs R+L  ANOVA |  |  |  |
|  | 200mg aspirin and150 mg clopidogrel (R+L) |  |  |  | 12 months | resistance plus loading dose |  | 0/30=0 |  |  | <0.05 con vs R+L  ANOVA |  |  |  |