Platelet function-guided modification in antiplatelet therapy after acute ischemic stroke is associated with clinical outcomes in patients with aspirin nonresponse

SUPPLEMENTARY MATERIALS

Supplementary Table 1: Clinical outcomes in different antiplatelet therapy modification

| Variable                        | changing aspirin (n = 149) | adding clopidogrel (n = 37) | increasing dose of aspirin (n = 18) | P value |
|---------------------------------|-----------------------------|-----------------------------|------------------------------------|--------|
| Ischemic events (n, %)          | 31 (20.8)                   | 8 (21.6)                    | 4 (22.2)                           | 0.97   |
| Ischemic stroke (n, %)          | 21 (14.1)                   | 5 (13.5)                    | 3 (16.7)                           | 0.96   |
| Transient ischemic attack (n, %)| 5 (3.4)                     | 2 (5.4)                     | 1 (5.6)                            | 0.81   |
| Myocardial infarction (n, %)    | 5 (3.4)                     | 1 (2.7)                     | 0 (0.0)                            | 0.59   |
| Any bleeding event              | 9 (6.0)                     | 10 (27.0)                   | 4 (22.2)                           | <0.001 |
| GUSTO minor (n, %)              | 3 (2.0)                     | 7 (18.9)                    | 2 (11.1)                           | <0.001 |
| GUSTO moderate (n, %)           | 4 (2.7)                     | 2 (5.4)                     | 2 (11.1)                           | 0.17   |
| GUSTO severe (n, %)             | 2 (1.3)                     | 1 (2.7)                     | 0 (0.0)                            | 0.71   |
| Gastrointestinal bleeding (n, %)| 7 (4.7)                     | 3 (8.1)                     | 2 (11.1)                           | 0.93   |
| Intracerebral hemorrhage (n, %) | 1 (0.7)                     | 1 (2.7)                     | 0 (0.0)                            | 0.34   |
| Death (n, %)                    | 4 (2.7)                     | 2 (5.4)                     | 1 (5.6)                            | 0.64   |

GUSTO, Global Use of Strategies to Open Occluded Coronary Arteries

Supplementary Table 2: Clinical outcomes in aspirin sensitive patients

| Variable                        | Antiplatelet Therapy Modification | P value |
|---------------------------------|-----------------------------------|--------|
|                                | No (n = 539)                      | Yes (n = 50) | |
| Ischemic events (n, %)          | 115 (21.3)                        | 15 (3.0)    | 0.18  |
| Ischemic stroke (n, %)          | 74 (13.7)                         | 11 (22.0)   | 0.12  |
| Transient ischemic attack (n, %)| 26 (4.8)                          | 2 (4.0)     | 0.81  |
| Myocardial infarction (n, %)    | 15 (3.3)                          | 2 (4.0)     | 0.82  |
| Any bleeding event              | 54 (10.0)                         | 8 (16.0)    | 0.21  |
| GUSTO minor (n, %)              | 27 (5.0)                          | 3 (6.0)     | 0.76  |
| GUSTO moderate (n, %)           | 20 (3.7)                          | 4 (8.0)     | 0.13  |
| GUSTO severe (n, %)             | 7 (1.3)                           | 1 (2.0)     | 0.68  |
| Gastrointestinal bleeding (n, %)| 38 (7.1)                          | 3 (6.0)     | 0.79  |
| Intracerebral hemorrhage (n, %) | 6 (1.1)                           | 1 (2.0)     | 0.54  |
| Death (n, %)                    | 16 (3.0)                          | 3 (6.0)     | 0.24  |

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