**Supplemental Material 2. Etiology of** **false-positive activation of the PCI team**

|  |  |
| --- | --- |
| Cause of ST segment elevation  | No. of patients |
| **Structural heart diseases** | **147** |
|  Old myocardial infarction with/without aneurysm | 36  |
|  Stress-induced cardiomyopathy | 29 |
|  Pericarditis or myocarditis | 27 |
|  Valvular heart diseases | 16 |
|  Hypertensive with left ventricular hypertrophy | 14 |
|  Dilated cardiomyopathy (with/without left bundle branch block) | 12 |
|  Aortic dissection  | 6 |
|  Hypertrophic cardiomyopathy  | 5 |
|  Cardiac tamponade  | 1 |
|  Cardiac metastatic tumor  | 1 |
| **Non-structural (electrical) heart diseases** | **37** |
| Early repolarization | 12 |
|  Bundle branch block | 8 |
|  ST-T change of unknown significance | 7 |
|  Normal V2-3 elevation  | 3 |
|  Paroxysmal supraventricular tachycardia | 2 |
|  Normal variant rSr’ | 1 |
| Complete atrioventricular block with TdP-VT | 1 |
| Brugada syndrome | 1 |
| ECG voltage setting error  | 1 |
| Hyperkalemia  | 1 |
| **Others**  | **40** |
| Vasospastic angina | 33 |
| Miscellaneous  | 7 |

PCI = percutaneous coronary artery intervention; TdP-VT = Torsades de Pointes ventricular tachycardia