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

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| --- | --- |
| 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