**Supplemental Table 1. Study group characteristics.**

|  |  |  |
| --- | --- | --- |
|  |  | **Study group** |
| **(n=252)** |
| **Gender** | **Male** | 229 (91) |
| **Female** | 23 (9) |
| **Age at AE** | **All patients (years)** | 46.1±13.3 |
| **Age distribution** | **< 16** | 4 (2) |
| **16-70** | 245 (97) |
| **>70** | 3 (1) |
| **Ethnicity** | **Caucasian** | 160 (63.5) |
| **Asian** | 78 (31) |
| **Other/Unknown** | 14 (5.5) |
| **Proband status** | **Positive** | 186 (74) |
| **Negative** | 48 (19) |
| **Unknown** | 18 (7) |
| **Family history of SCD** | **Yes** | 72 (29) |
| **No** | 153 (61) |
| **Unknown** | 27 (11) |
| **Prior history of syncope** | **Yes** | 159 (63) |
| **No** | 93 (37) |
| **Spontaneous type 1 ECG** | **Yes** | 175 (69) |
| **No** | 77 (31) |
| **VF inducibility during EPS** | **EPS performed** | 200 (79) |
| **Positive EPS** | 144 (72) |
| **Negative EPS** | 56 (28) |
| **Presence of *SCN5A* mutation** | **Genetics performed** | 168 (67) |
| ***SCN5A* positive** | 61 (36) |
| ***SCN5A* negative** | 107 (64) |

**Supplemental Table 2 - Multivariate cox regression of significant parameters affecting time to shock**

|  |  |  |
| --- | --- | --- |
| Parameter | OR [95% CI] | p-value |
| Year of ICD implantation (year) | 1.12 [1.07-1.16] | <0.001 |
| Syncope | 1.65 [1.21-2.25] | 0.001 |
| Family History of SCD | 0.9 [0.66-1.23] | 0.495 |
| Asian Ethnicity | 1.11 [0.81-1.52] | 0.531 |

**Supplemental Table 3 - Multivariate logistic regression of significant parameters affecting time to shock**

|  |  |  |
| --- | --- | --- |
| Parameter | OR | p-value |
| Female Gender | **0.13 [0.02-1.07]** | **0.058** |
| Syncope | **0.31 [0.16-0.6]** | **<0.001** |
| Spontaneous Type 1 ECG | **0.41 [0.21-0.8]** | **0.009** |
| Implantation year | **0.85 [0.79-0.92]** | **<0.001** |