

SUPPLEMENTAL MATERIAL

Table S1. Predictors of All-Cause Death in LGE-positive patients.

| | No Event (n=46) | All-Cause Death (n=55) | P Value |
|----------------------------------|----------------------------|-----------------------------------|------------------|
| LGE mass | | | |
| LGE mass, g | 3.4 (2.7 – 4.7) | 12.2 (7.8 – 25.0) | <0.001 |
| LGE, % of LV mass | 3.0 (2.6 – 3.8) | 8.4 (4.3 – 15.2) | <0.001 |
| Segments with LGE | 3 (2 – 4) | 5 (4 – 7) | <0.001 |
| LGE location | | | |
| Anterior | 5 (10.9) | 34 (61.8) | <0.001 |
| Lateral | 34 (73.9) | 21 (38.2) | <0.001 |
| Inferior | 29 (63.0) | 21 (49.5) | 0.013 |
| Septal | 5 (10.9) | 40 (72.7) | <0.001 |
| Anteroseptal cluster | 3 (6.5) | 33 (60.0) | <0.001 |
| Inferolateral cluster | 26 (56.5) | 19 (34.5) | 0.027 |
| Anteroseptal + inferolateral | 1 (2.2) | 7 (12.7) | 0.05 |
| LGE distribution | | | |
| Linear | 24 (52.2) | 29 (52.7) | 0.96 |
| Patchy | 15 (32.6) | 12 (21.8) | 0.22 |
| Diffuse | 4 (8.7) | 10 (18.2) | 0.17 |
| LGE pattern | | | |
| Epicardial | 30 (65.2) | 9 (16.4) | <0.001 |
| Midwall | 10 (21.7) | 37 (67.3) | <0.001 |
| Other (transmural/diffuse) | 6 (13.0) | 8 (14.5) | 0.83 |
| Age, years | 47 (33 - 63) | 63 (49 - 69) | 0.006 |
| NYHA >2 | 14 (30.4) | 34 (61.8) | 0.002 |
| BNP | 154 (59 – 601) | 499 (136 – 1348) | 0.019 |
| Troponin positive | 16 (34.8) | 14 (25.5) | 0.307 |
| LVEDV indexed, ml/m ² | 76 (60 – 106) | 112 (86 – 155) | <0.001 |
| LVEF, % | 55 (33 – 62) | 34 (21 - 44) | <0.001 |

Values are n (%) or median (interquartile range).

LGE = late gadolinium enhancement; LV = left ventricular; NYHA = New York Heart Association; BNP = brain natriuretic peptide; LVEDV = left ventricular end-diastolic volume; LVEF = left ventricular ejection fraction

Table S2. Predictors of Cardiac Death in LGE-positive patients.

| | No Event (n=46) | Cardiac Death (n=40) | P Value |
|----------------------------------|--------------------|-------------------------|------------------|
| LGE mass | | | |
| LGE mass, g | 3.4 (2.7 – 4.7) | 12.3 (9.5 – 25.2) | <0.001 |
| LGE, % of LV mass | 3.0 (2.6 – 3.8) | 8.3 (6.4 – 15.7) | <0.001 |
| Segments with LGE | 3 (2 – 4) | 5 (4 – 8) | <0.001 |
| LGE location | | | |
| Anterior | 5 (10.9) | 24 (60.0) | <0.001 |
| Lateral | 34 (73.9) | 16 (40.0) | 0.001 |
| Inferior | 29 (63.0) | 15 (37.5) | 0.018 |
| Septal | 5 (10.9) | 30 (75.0) | <0.001 |
| Anteroseptal cluster | 3 (6.5) | 23 (57.5) | <0.001 |
| Inferolateral cluster | 26 (56.5) | 15 (37.5) | 0.08 |
| Anteroseptal + inferolateral | 1 (2.2) | 6 (15.0) | 0.03 |
| LGE distribution | | | |
| Linear | 24 (52.2) | 19 (47.5) | 0.67 |
| Patchy | 15 (32.6) | 9 (22.5) | 0.30 |
| Diffuse | 4 (8.7) | 8 (20.0) | 0.13 |
| LGE pattern | | 30 (65.2) | |
| Epicardial | 30 (65.2) | 6 (12.0) | <0.001 |
| Midwall | 10 (21.7) | 26 (65.0) | <0.001 |
| Other (transmural/diffuse) | 6 (13.0) | 17 (34.0) | 0.002 |
| Age, years | 47 (33 - 63) | 62 (48 - 69) | 0.008 |
| NYHA >2 | 14 (30.4) | 29 (58) | 0.007 |
| BNP | 154 (59 – 601) | 487 (116 – 1266) | 0.065 |
| Troponin positive | 16 (34.8) | 13 (26) | 0.349 |
| LVEDV indexed, ml/m ² | 76 (60 – 106) | 109 (87 – 141) | 0.001 |
| LVEF, % | 55 (33 – 62) | 35 (21 - 44) | <0.001 |

Values are n (%) or median (interquartile range).

LGE = late gadolinium enhancement; LV = left ventricular; NYHA = New York Heart Association; BNP = brain natriuretic peptide; LVEDV = left ventricular end-diastolic volume; LVEF = left ventricular ejection fraction

Table S3. Predictors of SCD in LGE-positive patients.

| | No Event (n=46) | SCD (n=19) | P Value |
|----------------------------------|----------------------------|-----------------------|------------------|
| LGE mass | | | |
| LGE mass, g | 3.4 (2.7 – 4.7) | 12.0 (7.8 – 22.5) | 0.001 |
| LGE, % of LV mass | 3.0 (2.6 – 3.8) | 7.3 (4.2 – 15.7) | 0.004 |
| Segments with LGE | 3 (2 – 4) | 5 (3 – 7) | <0.001 |
| LGE location | | | |
| Anterior | 5 (10.9) | 11 (57.9) | <0.001 |
| Lateral | 34 (73.9) | 8 (42.1) | 0.015 |
| Inferior | 29 (63.0) | 7 (36.8) | 0.053 |
| Septal | 5 (10.9) | 12 (30.0) | <0.001 |
| Anteroseptal cluster | 3 (6.5) | 10 (52.6) | <0.001 |
| Inferolateral cluster | 26 (56.5) | 7 (36.8) | 0.15 |
| Anteroseptal + inferolateral | 1 (2.2) | 3 (15.8) | 0.038 |
| LGE distribution | | | |
| Linear | 24 (52.2) | 10 (52.6) | 0.97 |
| Patchy | 15 (32.6) | 3 (15.8) | 0.17 |
| Diffuse | 4 (8.7) | 4 (21.1) | 0.17 |
| LGE pattern | | | |
| Epicardial | 30 (65.2) | 4 (21.1) | 0.001 |
| Midwall | 10 (21.7) | 9 (47.4) | 0.039 |
| Other (transmural/diffuse) | 6 (13.0) | 6 (31.6) | 0.08 |
| Age, years | 47 (33 - 63) | 61 (44 - 65) | 0.159 |
| NYHA >2 | 14 (30.4) | 12 (63.2) | 0.014 |
| BNP | 154 (59 – 601) | 277 (105 – 998) | 0.270 |
| Troponin positive | 16 (34.8) | 6 (31.6) | 0.804 |
| LVEDV indexed, ml/m ² | 76 (60 – 106) | 110 (78 – 126) | 0.018 |
| LVEF, % | 55 (33 – 62) | 32 (22 - 46) | 0.001 |

Values are n (%) or median (interquartile range). SCD – Sudden cardiac death, LGE = late gadolinium enhancement; LV = left ventricular; NYHA = New York Heart Association; BNP = brain natriuretic peptide; LVEDV = left ventricular end-diastolic volume; LVEF = left ventricular ejection fraction