Supplementary Table 3. Clinicopathological features of three subgroups classified with cluster analysis

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|  | Group 1 (n = 15) | Group 2 (n = 11) | Group 3 (n = 14) |
| Age, mean ± SD, years | 84.1 ± 6.7 | 84.8 ± 5.4 | 86.9 ± 5.8 |
| Sex (male/female) | 6/9 | 6/5 | 8/6 |
| HW, mean ± SD, g | 420.7 ± 108.5 | 330.2 ± 85.5 | 411.1 ± 101.0 |
| NHW, mean ± SD, g | 285.3 ± 58.0 | 265.2 ± 65.8 | 281.6 ± 59.6 |
| HW/NHW, mean | 1.48 ± 0.30 | 1.27 ± 0.22 | 1.46 ± 0.21 |
| LVT, mean ± SD, mm | 16.1 ± 2.9 | 15.7 ± 3.0 | 16.2 ± 2.9 |
| CVS-related  complications, n (%) | 12/14 (85.7%) | 9/10 (90%) | 11/14 (78.6%) |
| CA-related disorders, n (%) | 2/14 (14.3%) | 3/10 (30%) | 6/14 (42.9%) |
| Arrhythmia, n (%) | 2/12 (16.7%) | 2/10 (20.0%) | 2/14 (14.3%) |
| Accidental death, n (%) | 9 (60.0%) | 5 (45.5%) | 7 (50%) |
| Suicide/homicide, n (%) | 4 (26.7%) | 1 (9.1%) | 2 (14.3%) |
| Death due to CA, n (%) | 2 (13.3%) | 4 (36.4%) | 5 (35.7%) |
| Other cause of death, n (%) | 0 | 1 (9.1%) | 0 |
| LVI, mean ± SD | 1.40 ± 0.49 | 1.55 ± 0.66 | 2.43 ± 0.49 |
| RVI, mean ± SD | 0.60 ± 0.61 | 1.45 ± 0.78 | 2.36 ± 0.48 |
| VE, mean ± SD | 0.07 ± 0.25 | 0.09 ± 0.29 | 0.79 ± 0.41 |
| PVSI, mean ± SD | 1.27 ± 0.57 | 1.55 ± 0.66 | 2.36 ± 0.48 |
| BVSI, mean ± SD | 1.67 ± 0.47 | 1.91 ± 0.51 | 2.79 ± 0.41 |
| LASI, mean ± SD | 1.07 ± 0.77 | 2.00 ± 0.43 | 2.50 ± 0.50 |
| RASI, mean ± SD | 1.00 ± 0.73 | 2.36 ± 0.48 | 2.57 ± 0.49 |
| LASE, mean ± SD | 0.40 ± 0.80 | 0.64 ± 0.64 | 0.71 ± 0.88 |
| RASE, mean ± SD | 0.87 ± 0.81 | 2.82 ± 0.39 | 2.79 ± 0.41 |
| IMV, mean ± SD | 0.80 ± 0.83 | 0.73 ± 0.62 | 1.21 ± 0.41 |
| SVC, mean ± SD | 0.93 ± 0.77 | 2.45 ± 0.50 | 2.71 ± 0.45 |
| RASAN, mean ± SD | 0.53 ± 0.72 | 1.45 ± 0.50 | 2.50 ± 0.73 |
| SAN, mean ± SD | 0.13 ± 0.34 | 0.36 ± 0.48 | 1.21 ± 0.41 |
| AVN, mean ± SD | 0 | 0 | 0.50 ± 0.63 |
| HB, mean ± SD | 0 | 0 | 0.35 ± 0.48 |
| EAT, positive (%) | 2/15 (13.3%) | 4/11 (36.4%) | 14/14 (100%)\* |
| AANF, positive (%) | 14/15 (93.3%) | 11/11 (100%) | 14/14 (100%) |
| Ventricular score, mean ± SD | 5.00 ± 1.90 | 6.55 ± 2.31 | 10.71 ± 1.71† |
| Atrial score, mean ± SD | 3.33 ± 2.24 | 7.82 ± 1.34† | 8.57 ± 1.64† |
| Vascular score, mean ± SD | 1.73 ± 1.44 | 3.18 ± 1.03 | 3.93 ± 0.46† |
| CS score, mean ± SD | 0.67 ± 0.87 | 1.82 ± 0.83 | 4.57 ± 1.55† |

\**p* < 0.01 vs. Group 1 and Group 2 (Fisher's exact test)

†*p* < 0.01 vs. Group 1 (Kruskal–Wallis test after Bonferroni correction)