**Suppl. Table 1: Baseline echocardiographic characteristics**

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Total cohort (n=100)** | **NEF-HG AS**  **(n=40)** | **LEF-HG AS (n=14)** | **LEF-LG AS (n=26)** | **PLF-LG AS (n=16)** | **P (comparison of all groups)** |
|  |  | |  |  |  |  |  |
| **Afib during echo,** *n (%)* | 25 | | 7 (18) d | 4 (29) | 4 (15) d | 9 (56) a, c | 0.01 |
| **LV-EF,** *%* | 50±15 | | 62±5 b, c | 34±11a, d | 34±10 a, d | 59±7 b, c | <0.0001 |
| **Global long. strain,** *%* | -14,7±4.7 | | -18-3±2.6 b, c, d | -10-1±3.7 a, d | -10.6±3.4 a, d | -16.1±2.0 a, b, c | <0.0001 |
| **LVEDV,** *ml* | 92±41 | | 77±31 b, c | 128±43 a, d | 118±35 a, d | 67±32 b, c | <0.0001 |
| **LVEDVi,** *ml/m² BSA* | 48±21 | | 40±15 b, c | 64±20 a, d | 62±20 a, d | 34±14 b, c | <0.0001 |
| **Stroke Volume Index,** *ml/m²* | 36±10 | | 43±10 a, b, c | 34±8 a, d | 30±7 a | 29±4 a, b | <0.0001 |
| **LAVI,** *ml/m² BSA* | 52±17 | | 48±14 | 64±25 | 50±13 | 55±17 | 0.02 |
| **LVMI,** *g/m² BSA* | 151±42 | | 146±38 b | 181±41 a, d | 163±43 d | 128±31 b, c | 0.002 |
| **LVMI/ LVEDVi,** *g/ml* | 3.50±1.16 | | 3.94±1.18 b, c | 2.94±0.74 a, d | 2.74±0.68 a, d | 4.04±1.32 b, c | <0.0001 |
| **LVEDD,** *mm* | 47±8 | | 44±7 b, c | 55±8 a, d | 52±7 a, d | 43±6 b, c | <0.0001 |
| **Septal wall,** *mm* | 15.4±2.3 | | 16.1±2.2 c, d | 15.1±1.5 | 14.9±2.7 a | 14.7±2.1a | 0.07 |
| **Posterior wall,** *mm* | 13.8±2.1 | | 14.5±2.0 c | 13.4±2.3 | 13.2±2.2 a | 13.8±1.8 | 0.07 |
| **Relative wall thickness** | 0.60±0.14 | | 0.67±0.13 b, c | 0.50±0.10 a, d | 0.51±0.11 a, d | 0.64±0.07 b, c | <0.0001 |
| **Concentric remodelling,** *n (%)* | 10 | | 4 (10) | 1 (7) | 0 d | 3 (19) c | 0.24 |
| **Concentric hypertrophy,** *n(%)* | 76 | | 35 (88) b | 8 (57) a | 18 (69) | 13 (81) | 0.08 |
| **Eccentric hypertrophy,** *n (%)* | 14 | | 1 (3) b, c | 5 (36) a, d | 8 (31) a, d | 0 (0) b, c | 0.0005 |
| **E/e’ mean** | 18±7 | | 20±7 | 19±7 | 15±5 | 16±7 | 0.29 |
| **Vmax,** *m/s* | 3.9±0.7 | | 4.5±0.5 c, d | 4.4±0.5 c, d | 3.3±0.4 a, b | 3.3±0.3 a, b | <0.0001 |
| **Mean Gradient,** *mmHg* | 37±15 | | 49±14 c, d | 45±11 c, d | 24±7 a, b | 25±5 a, b | <0.0001 |
| **Aortic valve area (AVA),** *cm²* | 0.74±0.17 | | 0.73±0.18 | 0.62±0.12 c, d | 0.76±0.18 b | 0.77±0.13 b | 0.06 |
| **Indexed AVA,** *cm²/m² BSA* | 0.39±0.09 | | 0.39±0.08 b | 0.33±0.07 a, c, d | 0.40±0.08 b | 0.41±0.10 b | 0.04 |
| **PAsP,** *mmHg* | 48±16 | | 45±15 | 55±19 | 46±11 | 52±21 | 0.21 |
| **TAPSE,** *mm* | 20±5 | | 23±5 b, c, d | 19±4 a | 19±4 a | 19±4 a | 0.0005 |
| **Moderate or severe MR,** *n (%)* | 41 | | 11 (28) c | 7 (50) | 17 (65) a | 6 (38) | 0.02 |
| **Moderate or severe TR,** *n (%)* | 32 | | 8 (20) b | 8 (57) a | 8 (31) | 8 (50) | 0.03 |
|  |  | |  |  |  |  |  |

* **a**: p<0.05 vs. NEF-HG AS; **b**: p<0.05 vs. LEF-HG AS; **c**: p<0.05 vs. LEF-LG AS; **d**: p<0.05 vs. PLF-LG AS
* 2-group-comparisons: t-test for continuous variables; fisher’s exact test for categorical variables
* Comparison of all 4 groups: 1way ANOVA for continuous variables; chi-square test for categorical variables
* LV-EF: left ventricular ejection fraction; LVEDV: left ventricular end-diastolic volume; BSA: body surface area; SVI: stroke volume index; LAVI: left atrial volume index; LVMI: left ventricular mass index; LVEDD: left ventricular end-diastolic diameter; RWT: relative wall thickness; GLS: global longitudinal strain; vmax: maximum aortic velocity; AVA: aortic valve are; AVAi: indexed aortic valve area, AVA/BSA; PAsP: pulmonary artery systolic pressure; TAPSE: tricuspid annular plane systolic elevation; MR: mitral regurgitation; TR: tricuspid regurgitation