**Table S2.** Demographic and main clinical characteristics of the study population with all estimates of hypertension-mediated organ damage (HMOD). Groups are identified according to the absence (-) or presence (+) of organ damage. Data are shown as absolute (n) or relative (%) frequencies for categorical variables and as means ± standard deviation for continuous variables. The p-values refer to the level of statistical significance of the comparison between each subgroup. BMI: Body Mass Index; CV: Cardiovascular; LVMI: Left Ventricular Mass Index; IMT: Intima Media Tickness; eGFR: estimated Glomerular Filtration Rate; SBP: Systolic Blood Pressure; DBP: Diastolic Blood Pressure; PP: Pulse Pressure.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Cardiac- (n=86)** | **Cardiac+ (n=115)** | **p-value** | **Vascular- (n=79)** | **Vascular+ (n=122)** | **p-value** | **Renal- (n=173)** | **Renal+ (n=28)** | **p-value** | **HMOD- (n=29)** | **HMOD+ (n=172)** | **p-value** | **All (n=201)** |
| Age (years) | 50.9±13.0 | 58.4±13.7 | 0.0001 | 49.7±15.3 | 58.8±11.5 | 0.0001 | 54.4±13.5 | 59.9±15.5 | 0.051 | 46.2±12.5 | 56.7±13.5 | 0.0001 | 55.2±13.9 |
| Male sex | 55 (64.0) | 53 (46.1) | 0.012 | 41 (51.9) | 67 (54.9) | 0.675 | 97 (56.1) | 11 (39.3) | 0.098 | 18 (62.1) | 90 (52.3) | 0.330 | 108 (53.7) |
| Female sex | 31 (36.0) | 62 (53.9) | 38 (48.1) | 55 (45.1) | 76 (43.9) | 17 (60.7) | 11 (37.9) | 82 (47.7) | 93 (46.3) |
| BMI (kg/m2) | 28.4±4.7 | 29.4±4.8 | 0.129 | 28.1±4.2 | 29.5±5.1 | 0.054 | 29.0±4.6 | 28.6±5.7 | 0.671 | 28.0±3.9 | 29.1±4.9 | 0.267 | 29.0±4.8 |
| Overweight or obesity | 70 (81.4) | 102 (88.7) | 0.145 | 68 (86.1) | 104 (85.2) | 0.870 | 151 (87.3) | 21 (75.0) | 0.086 | 26 (89.7) | 146 (84.9) | 0.499 | 172 (85.6) |
| Known hypertension | 83 (96.5) | 111 (96.5) | 0.997 | 76 (96.2) | 118 (96.7) | 0.845 | 167 (96.5) | 27 (96.4) | 0.978 | 27 (93.1) | 167 (97.1) | 0.278 | 194 (96.5) |
| Treated hypertension | 73 (84.9) | 101 (87.8) | 0.545 | 64 (81.0) | 110 (90.2) | 0.063 | 152 (87.9) | 22 (78.6) | 0.181 | 23 (79.3) | 151 (87.8) | 0.215 | 174 (86.6) |
| Known dyslipidemia | 56 (65.1) | 87 (75.7) | 0.103 | 60 (75.9) | 83 (68.0) | 0.226 | 126 (72.8) | 17 (60.7) | 0.189 | 24 (82.8) | 119 (69.2) | 0.136 | 143 (71.1) |
| Treated dyslipidemia | 20 (23.3) | 49 (42.6) | 0.004 | 25 (31.6) | 44 (36.1) | 0.519 | 63 (36.4) | 6 (21.4) | 0.121 | 6 (20.7) | 63 (36.6) | 0.094 | 69 (34.3) |
| Known diabetes | 8 (9.3) | 14 (12.2) | 0.519 | 3 (3.8) | 19 (15.6) | 0.009 | 19 (11.0) | 3 (10.7) | 0.966 | 1 (3.4) | 21 (12.2) | 0.162 | 22 (10.9) |
| Treated diabetes | 4 (4.7) | 13 (11.3) | 0.093 | 2 (2.5) | 15 (12.3) | 0.015 | 14 (8.1) | 3 (10.7) | 0.644 | - | 17 (9.9) | 0.077 | 17 (8.5) |
| CV diseases | 11 (12.8) | 41 (35.7) | 0.0001 | 20 (25.3) | 32 (26.2) | 0.885 | 40 (23.1) | 12 (42.9) | 0.027 | 4 (13.8) | 48 (27.9) | 0.108 | 52 (25.9) |
| CV risk factors | 84 (97.7) | 113 (98.3) | 0.768 | 77 (97.5) | 120 (98.4) | 0.658 | 170 (98.3) | 27 (96.4) | 0.518 | 28 (96.6) | 169 (98.3) | 0.543 | 197 (98.0) |
| LVMI (g/m2) | 85.9±19.0 | 134.3±27.5 | 0.0001 | 111.0±32.6 | 115.3±35.0 | 0.383 | 111.4±32.7 | 127.2±39.5 | 0.022 | 86.3±21.6 | 118.2±33.7 | 0.0001 | 113.6±34.1 |
| IMT (mm) | 1.2±0.6 | 1.3±0.7 | 0.587 | 0.8±0.1 | 1.5±0.7 | 0.0001 | 1.2±0.6 | 1.3±0.9 | 0.585 | 0.8±0.1 | 1.3±0.7 | 0.0001 | 1.2±0.7 |
| eGFR (ml/min/1.73 m2) | 110.7±31.2 | 100.9±39.5 | 0.079 | 109.9±42.1 | 102.6±31.9 | 0.201 | 109.7±33.6 | 67.1±36.9 | 0.0001 | 117.0±30.4 | 103.5±36.8 | 0.089 | 105.4±36.1 |
| Urine albumin excretion (mg/24h) | 20.5±55.2 | 19.6±18.2 | 0.926 | 23.0±54.8 | 17.6±18.8 | 0.809 | 9.1±3.3 | 50.7±67.4 | 0.0001 | 9.2±1.9 | 22.5±42.4 | 0.268 | 20.0±38.5 |
| Cardiac damage | - | 115 (100.0) | - | 45 (57.0) | 70 (57.4) | 0.954 | 94 (54.3) | 21 (75.0) | 0.040 | - | 115 (66.9) | - | 115 (57.2) |
| Vascular damage | 52 (60.5) | 70 (60.9) | 0.954 | - | 122 (100.0) | - | 104 (60.1) | 18 (64.3) | 0.675 | - | 122 (70.9) | - | 122 (60.7) |
| Renal Damage | 7 (8.1) | 21 (18.3) | 0.040 | 10 (12.7) | 18 (14.8) | 0.675 | - | 28 (100.0) | - | - | 28 (16.3) | - | 28 (13.9) |
| Clinic SBP (mmHg) | 136.3±17.1 | 138.4±20.6 | 0.440 | 135.2±18.4 | 138.9±19.6 | 0.186 | 137.8±19.2 | 135.4±19.1 | 0.545 | 136.0±16.0 | 137.7±19.7 | 0.994 | 137.5±19.2 |
| Clinic DBP (mmHg) | 91.9±13.9 | 87.1±15.8 | 0.026 | 87.5±12.9 | 90.1±16.4 | 0.233 | 89.6±15.5 | 85.9±12.3 | 0.221 | 89.1±11.6 | 89.1±15.2 | 0.584 | 89.1±15.2 |
| Clinic PP (mmHg) | 44.4±13.1 | 51.3±16.9 | 0.002 | 47.7±14.6 | 48.8±16.5 | 0.644 | 48.2±15.5 | 49.6±17.3 | 0.659 | 46.9±11.6 | 48.6±16.4 | 0.176 | 48.8±15.7 |