


CORRECTION

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Correction to: White-coat hypertension and incident end-stage renal disease in patients with non-dialysis chronic kidney disease: results from the C-STRIDE Study

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After publication of the original article [1], the authors identified errors in Tables 1 and 2. The correct tables are given below.

The original article has been corrected.

The original article can be found online at <https://doi.org/10.1186/s12967-020-02413-w>.

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Table 1 Baseline characteristic of participants according to different BP patterns diagnosed by criterion A

| | Total (N = 1714) | NT (N = 672) | WCH (N = 81) | MH (N + (N = 529) | SH (N = 432) | P |
|------------------------------------|------------------|---------------------|-----------------------------------|-----------------------------------|------------------------------------|---------|
| Age (years) | 48.9 ± 13.8 | 46.7 ± 14.4 | 53.1 ± 14.4 ^a | 49.9 ± 12.8 ^{ab} | 50.0 ± 13.3 ^{ab} | < 0.001 |
| Male, n (%) | 974 (56.8%) | 321 (47.8%) | 38 (46.9%) | 318 (60.1%) ^{ab} | 297 (68.8%) ^{abc} | < 0.001 |
| BMI (kg/m ²) | 24.6 ± 3.9 | 23.9 ± 3.6 | 25.0 ± 4.0 ^a | 24.8 ± 3.8 ^a | 25.6 ± 4.1 ^{ac} | < 0.001 |
| Smokers, n (%) | 623 (36.8%) | 188 (28.2%) | 24 (30.8%) | 213 (40.7%) ^a | 198 (46.7%) ^{abc} | < 0.001 |
| DM, n (%) | 366 (24.7%) | 94 (16.5%) | 18 (26.1%) ^a | 123 (26.9%) ^a | 131 (34.2%) ^{abc} | < 0.001 |
| CVD history, n (%) | 155 (9.0%) | 41 (6.1%) | 12 (14.8%) | 55 (10.4%) | 47 (10.9%) | 0.004 |
| Anti-hypertension, n (%) treatment | 1245 (76.7%) | 380 (61.8%) | 66 (85.7%) ^a | 422 (81.8%) ^a | 377 (90.8%) ^{ac} | < 0.001 |
| Causes of CKD* | | | | | | < 0.001 |
| DKD | 212 (12.4%) | 35 (5.2%) | 11 (13.6%) ^a | 73 (13.8%) ^a | 93 (21.5%) ^{abc} | |
| GN | 1048 (61.1%) | 489 (72.8%) | 40 (49.4%) ^a | 313 (59.2%) ^a | 206 (47.7%) ^{ac} | |
| Others | 442 (25.8%) | 144 (21.4%) | 29 (35.8%) ^a | 140 (26.5%) | 129 (29.9%) ^a | |
| ALB (g/L) | 38.3 ± 7.4 | 38.7 ± 7.2 | 39.4 ± 5.2 | 38.2 ± 7.6 | 37.7 ± 7.9 ^a | 0.1 |
| FBG (mmol/L) | 4.9 (4.4, 5.6) | 4.8 (4.3, 5.4) | 5.0 (4.5, 5.5) | 4.9 (4.4, 5.7) ^a | 5.0 (4.5, 5.9) ^a | 0.004 |
| HGB (g/L) | 126.5 ± 22.4 | 127.7 ± 19.55 | 121.9 ± 22.2 ^a | 126.3 ± 24.2 | 125.7 ± 24.5 | 0.1 |
| TG (mmol/L) | 1.8 (1.2, 2.5) | 1.7 (1.2, 2.4) | 1.8 (1.3, 2.4) | 1.9 (1.3, 2.6) ^a | 1.9 (1.3, 2.6) ^a | 0.004 |
| TC (mmol/L) | 4.7 (3.9, 5.7) | 4.7 (3.9, 5.7) | 4.6 (3.8, 5.5) | 4.7 (3.9, 5.6) | 4.7 (3.9, 5.7) | 0.8 |
| HDLC (mmol/L) | 1.1 (0.9, 1.3) | 1.1 (0.9, 1.4) | 1.0 (0.9, 1.3) | 1.0 (0.9, 1.3) ^a | 1.1 (0.9, 1.2) ^a | 0.001 |
| LDLC (mmol/L) | 2.6 (2.1, 3.2) | 2.6 (2.1, 3.2) | 2.6 (2.1, 3.2) | 2.5 (2.1, 3.2) | 2.7 (2.2, 3.3) | 0.5 |
| Cr (μmol/L) | 98 (141, 198) | 116.0 (80.0, 164.2) | 153.0 (106.7, 218.4) ^a | 151.0 (108.0, 204.5) ^a | 167.0 (122.0, 243.2) ^{ac} | < 0.001 |
| eGFR (mL/min/1.73 m ²) | 52.2 ± 30.1 | 62.9 ± 32.7 | 43.3 ± 24.3 ^a | 48.2 ± 28.2 ^a | 42.2 ± 23.3 ^{ac} | < 0.001 |
| 24 h-Upro (g/L) | 1.0 (0.4, 2.4) | 0.7 (0.3, 1.5) | 1.0 (0.4, 2.9) ^a | 1.1 (0.4, 2.5) ^a | 1.8 (0.8, 3.5) ^{abc} | < 0.001 |
| CKD stages, n (%) | | | | | | < 0.001 |
| 1 | 256 (14.9%) | 174 (25.9%) | 5 (6.2%) ^a | 55 (10.4%) ^a | 22 (5.1%) ^{ac} | |
| 2 | 305 (17.8%) | 144 (21.4%) | 11 (13.6%) | 90 (17.0%) | 60 (13.9%) ^a | |
| 3 | 676 (39.5%) | 228 (33.9%) | 36 (44.4%) | 220 (41.6%) ^a | 192 (44.5%) ^a | |
| 4 | 477 (27.8%) | 126 (18.8%) | 29 (35.8%) ^a | 164 (31.0%) ^a | 158 (36.6%) ^a | |

* The diagnosis was made mainly basing on medical history and clinical features, with only 578 patients having renal biopsy confirmation. Among them, 513 patients were diagnosed as GN. IgAN constituted the majority of GN group (54.2%), following by mesangial proliferative glomerulonephritis (32.2%) and membranous nephropathy (10.5%). Others group included hypertensive nephropathy, tubulointerstitial nephritis, and cause unknown etc

^a P < 0.05 comparison with NT

^b P < 0.05 comparison with WCH

^c P < 0.05 comparison with MH

Table 2 Clinical and ambulatory BP parameters of patients

| | Total | NT | WCH | MH | SH | P |
|-------------------|--------------|--------------|---------------------------|----------------------------|-----------------------------|--------|
| Criterion A | | | | | | |
| Clinic SBP (mmHg) | 129.5 ± 17.3 | 118.6 ± 11.1 | 143.1 ± 13.4 ^a | 124.9 ± 9.4 ^{ab} | 149.4 ± 14.6 ^{abc} | <0.001 |
| Clinic DBP (mmHg) | 80.6 ± 10.4 | 74.8 ± 7.4 | 87.9 ± 9.1 ^a | 78.6 ± 6.5 ^{ab} | 90.8 ± 10.5 ^{abc} | <0.001 |
| 24 h-SBP (mmHg) | 128.3 ± 17.0 | 114.5 ± 8.3 | 118.3 ± 7.3 ^a | 134.8 ± 13.0 ^{ab} | 143.6 ± 15.0 ^{abc} | <0.001 |
| 24 h-DBP (mmHg) | 79.3 ± 10.8 | 70.9 ± 6.0 | 70.6 ± 5.9 | 84.5 ± 8.2 ^{ab} | 87.4 ± 10.0 ^{abc} | <0.001 |
| D-SBP (mmHg) | 131.1 ± 17.0 | 116.7 ± 8.9 | 120.4 ± 7.5 ^a | 136.4 ± 13.1 ^{ab} | 145.1 ± 15.3 ^{abc} | <0.001 |
| D-DBP (mmHg) | 80.7 ± 11.0 | 72.6 ± 6.3 | 72.3 ± 6.3 | 85.8 ± 8.5 ^{ab} | 88.6 ± 10.5 ^{abc} | <0.001 |
| N-SBP (mmHg) | 123.6 ± 18.7 | 109.6 ± 10.0 | 113.9 ± 10.5 ^a | 130.4 ± 15.1 ^{ab} | 138.9 ± 17.7 ^{abc} | <0.001 |
| N-DBP (mmHg) | 75.4 ± 12.5 | 66.7 ± 7.5 | 66.6 ± 9.3 | 80.6 ± 11.1 ^{ab} | 84.1 ± 11.1 ^{abc} | <0.001 |
| Criterion B | | | | | | |
| Clinic SBP (mmHg) | 129.5 ± 17.3 | 113.4 ± 9.7 | 131.6 ± 12.0 ^a | 117.4 ± 8.9 ^{ab} | 139.1 ± 15.9 ^{abc} | <0.001 |
| Clinic DBP (mmHg) | 80.6 ± 10.4 | 70.7 ± 6.2 | 83.4 ± 7.0 ^a | 73.0 ± 5.5 ^{ab} | 86.2 ± 9.5 ^{abc} | <0.001 |
| 24 h-SBP (mmHg) | 128.3 ± 17.0 | 112.0 ± 8.3 | 116.7 ± 8.0 ^a | 131.5 ± 12.3 ^{ab} | 138.6 ± 15.2 ^{abc} | <0.001 |
| 24 h-DBP (mmHg) | 79.3 ± 10.8 | 69.0 ± 5.9 | 71.7 ± 5.8 ^a | 81.7 ± 8.1 ^{ab} | 85.7 ± 9.5 ^{abc} | <0.001 |
| D-SBP (mmHg) | 131.1 ± 17.0 | 113.8 ± 8.3 | 117.7 ± 7.3 ^a | 133.8 ± 12.2 ^{ab} | 140.4 ± 15.1 ^{abc} | <0.001 |
| D-DBP (mmHg) | 80.7 ± 11.0 | 70.5 ± 5.9 | 72.6 ± 5.4 ^a | 83.7 ± 8.0 ^{ab} | 87.1 ± 9.6 ^{abc} | <0.001 |
| N-SBP (mmHg) | 123.6 ± 18.7 | 107.5 ± 10.8 | 113.5 ± 10.8 ^a | 125.4 ± 14.4 ^{ab} | 133.6 ± 17.8 ^{abc} | <0.001 |
| N-DBP (mmHg) | 75.4 ± 12.5 | 64.9 ± 7.5 | 69.0 ± 7.9 ^a | 76.9 ± 9.7 ^{ab} | 81.9 ± 10.7 ^{abc} | <0.001 |

24 h-SBP 24-hour average ambulatory systolic blood pressure, 24 h-DBP 24-hour average ambulatory diastolic blood pressure, D-SBP daytime systolic blood pressure, D-DBP daytime diastolic blood pressure, N-SBP nighttime systolic blood pressure, N-DBP nighttime diastolic blood pressure

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Reference

1. Wang Q, Wang Y, Wang J, Zhang L, Zhao M, the Chinese Cohort Study of Chronic Kidney Disease (C-STRIDE). White-coat hypertension and incident end-stage renal disease in patients with non-dialysis chronic kidney disease: results from the C-STRIDE Study. *J Transl Med.* 2020;18:238. <https://doi.org/10.1186/s12967-020-02413-w>.

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