Erratum to: Mortality of patients with multiple sclerosis: a cohort study in UK primary care

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Unfortunately, the online published article has errors in footnote of Tables 1, 2 and 3. The correct tables are given in the following pages.

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Table 1  Basic characteristics of MS cases and matched referent subjects at cohort entry, overall and stratified by type of MS

| Characteristic                        | MS cases | Referents | RRMSa | Referents | PPMS | Referents |
|---------------------------------------|----------|-----------|-------|-----------|------|-----------|
|                                       | N = 1,822| N = 18,211| N = 769| N = 7,690 | N = 125| N = 1,250 |
|                                       | [n (%)]  | [n (%)]   | [n (%)]| [n (%)]   | [n (%)]| [n (%)]   |
| Mean age (years) at cohort entry      | 42.08 (11.79) | 42.0 (11.72) | 40.01 (11.14) | 39.94 (11.15) | 49.98 (10.43) | 49.92 (10.39) |
| Sex                                   |          |           |       |           |       |           |
| Males                                 | 481 (26.40) | 4,801 (26.36) | 193 (25.10) | 1,930 (25.10) | 53 (42.40) | 530 (42.40) |
| Females                               | 1,341 (73.60) | 13,410 (73.64) | 576 (74.90) | 5,760 (74.90) | 72 (57.60) | 720 (57.60) |
| Smoking status                         |          |           |       |           |       |           |
| Current*†                              | 569 (31.23) | 4,363 (23.96) | 226 (29.39) | 1,902 (24.73) | 40 (32.00) | 289 (23.12) |
| Former                                | 239 (13.12) | 2,390 (13.12) | 101 (13.13) | 963 (12.52) | 23 (18.40) | 199 (15.92) |
| Never                                 | 777 (42.65) | 8,921 (48.99) | 349 (45.38) | 3,807 (49.51) | 50 (40.00) | 595 (47.60) |
| Unknown                               | 237 (13.01) | 2,537 (13.93) | 93 (12.09) | 1,018 (13.24) | 12 (9.60) | 167 (13.36) |
| BMI (kg/m²)                            |          |           |       |           |       |           |
| <18.5                                  | 46 (2.52) | 379 (2.08) | 17 (2.11) | 179 (2.33) | 2 (1.60) | 18 (1.44) |
| 18.5–24.99                             | 706 (38.75) | 6,948 (38.15) | 301 (39.14) | 2,980 (38.75) | 46 (36.80) | 408 (32.64) |
| 25.0–29.99                             | 426 (23.38) | 4,100 (22.51) | 187 (24.32) | 1,676 (21.79) | 39 (31.20) | 339 (27.12) |
| ≥30                                    | 248 (13.61) | 2,406 (13.21) | 112 (14.56) | 993 (12.91) | 12 (9.60) | 198 (15.84) |
| Unknown                                | 396 (21.73) | 4,378 (24.04) | 152 (19.77) | 1,862 (24.21) | 26 (20.80) | 287 (22.96) |
| Alcohol abuse†                         | 25 (1.37) | 370 (2.03) | 3 (0.39) | 133 (1.73) | 5 (4.0) | 50 (4.0) |
| Mean length of recorded medical history (years; SD) |          |           |       |           |       |           |
| Before index date                      | 7.86 (4.44) | 7.97 (4.43) | 7.93 (4.50) | 8.03 (4.49) | 8.83 (4.51) | 9.02 (4.52) |
| Follow-up after index date†           | 7.85 (4.50) | 7.95 (4.49) | 8.95 (4.33) | 8.18 (4.40) | 8.15 (4.32) | 8.15 (4.08) |

Type of MS was determined from original clinical records for 894 patients

BMI body mass index, MS multiple sclerosis, PPMS primary progressive MS, RRMS relapsing-remitting MS, SD standard deviation

* p < 0.05 for comparison between patients with MS and matched referent subjects (for all MS patients)
† p < 0.05 for comparison between patients with RRMS and matched referent subjects

* Includes 64 patients with secondary progressive MS
| Characteristic                      | MS cases N = 1,822 | Referents N = 18,211 | RRMS cases N = 769 | Referents N = 7,690 | PPMS cases N = 125 | Referents N = 1,250 |
|------------------------------------|--------------------|----------------------|-------------------|---------------------|-------------------|-------------------|
|                                    | [n (%)]            | [n (%)]              | [n (%)]           | [n (%)]             | [n (%)]           | [n (%)]           |
| **Chronic comorbidities**<sup>b</sup> |                    |                      |                   |                     |                   |                   |
| COPD and asthma                    | 302 (16.58)        | 2,890 (15.87)        | 117 (15.21)       | 1,245 (16.19)       | 18 (14.40)        | 197 (15.76)       |
| Depression*<sup>*,†,§</sup>        | 508 (27.88)        | 3,677 (20.19)        | 188 (24.45)       | 1,529 (19.88)       | 45 (36.00)        | 238 (19.04)       |
| Diabetes                           | 35 (1.92)          | 390 (2.14)           | 13 (1.69)         | 141 (1.83)          | 3 (2.40)          | 44 (3.52)         |
| Hypertension                       | 137 (7.52)         | 1,544 (8.48)         | 47 (6.11)         | 538 (7.00)          | 13 (10.40)        | 179 (14.32)       |
| Heart disease                      | 34 (1.87)          | 439 (2.41)           | 8 (1.04)          | 119 (1.55)          | 4 (3.20)          | 64 (5.12)         |
| Cancer                             | 50 (2.74)          | 558 (3.06)           | 15 (1.95)         | 223 (2.90)          | 5 (4.00)          | 50 (4.00)         |
| **Acute comorbidities**<sup>c</sup> |                    |                      |                   |                     |                   |                   |
| Acute respiratory infection§       | 252 (13.83)        | 2,673 (14.68)        | 113 (14.69)       | 1,143 (14.86)       | 9 (7.20)          | 171 (13.68)       |
| Pneumonia and influenza            | 18 (0.99)          | 169 (0.93)           | 11 (1.43)         | 70 (0.91)           | 1 (0.80)          | 14 (1.12)         |
| Urinary tract infection<sup>a</sup> | 99 (5.43)          | 683 (3.75)           | 36 (4.68)         | 284 (3.69)          | 8 (6.40)          | 41 (3.28)         |
| Skin infection                     | 164 (9.00)         | 1,566 (8.60)         | 68 (8.84)         | 652 (8.48)          | 5 (4.00)          | 96 (7.68)         |
| Eye or Ear infection               | 4 (0.22)           | 33 (0.18)            | 3 (0.39)          | 15 (0.20)           | 0 (–)             | 0 (–)             |
| Other infection<sup>*,†</sup>      | 149 (8.18)         | 1,256 (6.90)         | 69 (8.97)         | 533 (6.93)          | 5 (4.00)          | 73 (5.84)         |
| Dyspepsia                          | 35 (1.92)          | 282 (1.55)           | 11 (1.43)         | 120 (1.56)          | 2 (1.60)          | 23 (1.84)         |
| **Charlson Comorbidity Index at cohort entry** |  |                      |                   |                     |                   |                   |
| Low (0)                            | 1,393 (76.45)      | 14,192 (77.93)       | 615 (79.97)       | 6,048 (78.65)       | 96 (76.80)        | 931 (74.48)       |
| Medium (1–2)                       | 405 (22.23)        | 3,822 (20.99)        | 147 (19.12)       | 1,574 (20.47)       | 26 (20.80)        | 296 (23.68)       |
| High (>2)                          | 24 (1.32)          | 197 (1.08)           | 7 (0.91)          | 68 (0.88)           | 3 (2.40)          | 23 (1.84)         |

Type of MS was determined from original clinical records for 894 patients

*COPD* chronic obstructive pulmonary disorder, *MS* multiple sclerosis, *PPMS* primary progressive MS, *RRMS* relapsing-remitting MS

<sup>a</sup> p < 0.05 for comparison between patients with MS and matched referent subjects (for all MS patients)

<sup>†</sup> p < 0.05 for comparison between patients with RRMS and matched referent subjects

<sup>§</sup> p < 0.05 for comparison between patients with PPMS and matched referent subjects

<sup>a</sup> Includes 64 patients with secondary progressive MS

<sup>b</sup> Ever before, or at cohort entry

<sup>c</sup> During the year before, or at index date
Table 3  Comedications of MS cases and matched referent subjects at cohort entry, overall and stratified by type of MS

| Characteristic          | All MS cases | Referents | RRMSa cases | Referents | PPMS cases | Referents |
|-------------------------|--------------|-----------|-------------|-----------|------------|-----------|
|                         | $N = 1,822$  | $N = 18,211$ | $N = 769$   | $N = 7,690$ | $N = 125$  | $N = 1,250$ |
|                         | $[n \%]$     | $[n \%]$  | $[n \%]$    | $[n \%]$  | $[n \%]$   | $[n \%]$  |
| Comedications (at cohort entry [index date] or within the 6 months before) |             |           |             |           |            |           |
| Systemic glucocorticoids* | 180 (9.88)  | 713 (3.92) | 69 (8.97)   | 288 (3.75) | 8 (6.40)   | 52 (4.16) |
| Antidepressants*         | 380 (20.86) | 1,582 (8.69) | 132 (17.17) | 662 (8.61) | 28 (22.40) | 102 (8.16) |
| Anticonvulsants*         | 122 (6.70)  | 225 (1.24)  | 40 (5.20)   | 88 (1.14)  | 11 (8.80)  | 25 (2.00) |
| Antidiabetics            | 24 (1.32)   | 283 (1.55)  | 12 (1.56)   | 112 (1.46) | 0 (--)     | 20 (1.60) |
| Opioids*                 | 345 (18.94) | 1,585 (8.70) | 122 (15.86) | 621 (8.08) | 23 (18.40) | 133 (10.64) |
| NSAIDs*                  | 316 (17.34) | 1,806 (9.92) | 122 (15.86) | 710 (9.23) | 21 (16.80) | 152 (12.16) |
| Statins*                 | 61 (3.35)   | 447 (2.45)  | 20 (2.60)   | 137 (1.78) | 4 (3.20)   | 75 (6.00) |
| Antibiotics*             | 403 (22.12) | 3,598 (19.76) | 179 (23.28) | 1,546 (20.10) | 16 (12.80) | 227 (18.16) |
| Muscle relaxants*        | 173 (9.50)  | 399 (2.19)  | 50 (6.50)   | 153 (1.99) | 20 (16.00) | 37 (2.96) |
| Antipsychotics*          | 122 (6.70)  | 387 (2.13)  | 54 (7.02)   | 160 (2.08) | 5 (4.00)   | 20 (1.60) |
| Anti-Parkinson drugs*    | 23 (1.26)   | 54 (0.30)   | 8 (1.04)    | 17 (0.22)  | 3 (2.40)   | 4 (0.32)  |
| PPIs*                    | 83 (4.56)   | 657 (3.61)  | 24 (3.12)   | 243 (3.16) | 6 (4.80)   | 68 (5.44) |

Type of MS was determined from original clinical records for 894 patients

MS multiple sclerosis, NSAIDs non-steroidal anti-inflammatory drugs, PPMS primary progressive MS, PPIs proton pump inhibitors, RRMS relapsing-remitting MS

* $p < 0.05$ for comparison between patients with MS and matched referent subjects (for all MS patients)
† $p < 0.05$ for comparison between patients with RRMS and matched referent subjects
‡ $p < 0.05$ for comparison between patients with PPMS and matched referent subjects

a Includes 64 patients with secondary progressive MS