

**Table 3. Factors associated with DOAC inappropriate prescription according to smPC indications, and with no prescription of anticoagulant therapy (last column) in patients discharged with atrial fibrillation from medical wards.**

|                                          | smPC violations           |                           |                        | No                     |
|------------------------------------------|---------------------------|---------------------------|------------------------|------------------------|
|                                          | <i>Any</i>                | <i>Overdosage</i>         | <i>Underdosage</i>     | <i>Anticoagulation</i> |
| <b>Univariable</b>                       | <i>OR (95%CI),<br/>p</i>  | <i>OR (95%CI), p</i>      | <i>OR (95%CI), p</i>   | <i>OR (95%CI), p</i>   |
| Age, years                               | 0.97 (0.94-1.01), 0.14    | 0.93 (0.88-0.98), <.01    | 1.02 (0.97-1.07), 0.50 | 1.02 (1.00-1.05), 0.05 |
| Sex, female                              | 0.79 (0.46-1.34), 0.38    | 0.99 (0.46-2.17), 0.98    | 0.58 (0.28-1.18), 0.14 | 0.86 (0.62-1.19), 0.36 |
| BMI, kg/m <sup>2</sup>                   | 1.05 (1.01-1.10), 0.02    | 1.08 (1.01-1.15), 0.02    | 1.04 (0.97-1.10), 0.22 | 0.94 (0.90-0.98), <.01 |
| Admitting ward, nephrology vs geriatrics | 0.39 (0.15-0.87), 0.03    | 0.89 (0.29-2.23), 0.82    | 0.12 (0.01-0.55), 0.04 | 1.19 (0.79-1.77), 0.40 |
| Arterial hypertension                    | 0.88 (0.48-1.76), 0.71    | 1.39 (0.52-4.79), 0.55    | 0.62 (0.29-1.43), 0.23 | 0.72 (0.48-1.08), 0.11 |
| Diabetes mellitus                        | 1.10 (0.62-1.89), 0.74    | 0.73 (0.28-1.69), 0.49    | 1.61 (0.77-3.26), 0.19 | 1.20 (0.85-1.70), 0.30 |
| CHF                                      | 0.84 (0.49-1.42), 0.50    | 0.67 (0.30-1.45), 0.31    | 1.16 (0.58-2.41), 0.67 | 0.62 (0.45-0.86), <.01 |
| COPD                                     | 1.97 (1.15-3.36), 0.01    | 1.56 (0.69-3.40), 0.27    | 2.50 (1.23-5.10), 0.01 | 0.95 (0.67-1.34), 0.77 |
| CAD                                      | 0.38 (0.14-0.84), 0.03    | 0.47 (0.11-1.36), 0.22    | 0.37 (0.09-1.06), 0.10 | 1.17 (0.79-1.74), 0.43 |
| Cerebrovascular disease                  | 0.90 (0.39-1.87), 0.80    | 1.08 (0.31-2.89), 0.90    | 0.38 (0.06-1.30), 0.19 | 0.87 (0.54-1.38), 0.56 |
| Cancer                                   | 0.63 (0.31-1.20), 0.19    | 0.23 (0.04-0.80), 0.05    | 1.16 (0.50-2.46), 0.72 | 1.79 (1.24-2.60), <.01 |
| Osteoporosis                             | 0.48 (0.16-1.12), 0.12    | - <sup>£</sup>            | 1.03 (0.34-2.53), 0.95 | 1.27 (0.81-1.99), 0.30 |
| Anaemia                                  | 0.34 (0.19-0.58), <.01    | 0.31 (0.14-0.68), <.01    | 0.41 (0.10-1.15), 0.20 | 2.28 (1.54-3.43), <.01 |
| Recent bleeding                          | 1.46 (0.48-3.60), 0.45    | 2.08 (0.48-6.35), 0.25    | 1.03 (0.16-3.60), 0.97 | 1.50 (0.76-2.96), 0.24 |
| eGFR, ml/min/m <sup>2</sup>              | 1.02 (1.01-1.04), <.01    | 1.01 (0.99-1.03), 0.42    | 1.04 (1.02-1.05), <.01 | 1.00 (0.99-1.00), 0.36 |
| <b>Multivariable</b>                     | <i>aOR (95%CI),<br/>p</i> | <i>aOR (95%CI),<br/>p</i> | <i>aOR (95%CI), p</i>  | <i>aOR (95%CI), p</i>  |
| Age, years                               | 1.03 (0.98-1.09), 0.19    | 0.98 (0.91-1.05), 0.51    | 1.06 (1.00-1.12), 0.04 | 0.99 (0.96-1.03), 0.69 |
| Sex, female                              | 0.76 (0.37-1.55), 0.46    | 1.33 (0.48-3.83), 0.58    | 0.56 (0.25-1.21), 0.15 | 0.98 (0.63-1.54), 0.95 |
| BMI, kg/m <sup>2</sup>                   | 1.09 (1.02-1.16), 0.01    | 1.06 (0.98-1.13), 0.15    | -                      | 0.95 (0.91-0.99), 0.01 |
| Admitting ward, nephrology vs geriatrics | 0.32 (0.10-0.86), 0.04    | -                         | 0.17 (0.01-0.89), 0.09 | -                      |
| COPD                                     | 1.77 (0.89-3.49), 0.10    | -                         | 2.09 (0.97-4.52), 0.06 | -                      |
| CHF                                      | -                         | -                         | -                      | 0.82 (0.54-1.26), 0.37 |
| CAD                                      | 0.50 (0.18-1.22), 0.16    | -                         | -                      | -                      |
| Anemia                                   | 0.50 (0.25-0.99), 0.05    | 0.48 (0.17-1.31), 0.14    | 0.55 (0.26-1.19), 0.12 | -                      |

|                             |                        |                        |                        |                        |
|-----------------------------|------------------------|------------------------|------------------------|------------------------|
| eGFR, ml/min/m <sup>2</sup> | 1.02 (1.00-1.05), 0.04 | -                      | 1.04 (1.02-1.07), <.01 | -                      |
| Cancer                      | -                      | 0.42 (0.06-1.59), 0.26 | -                      | 1.93 (1.19-3.13), 0.01 |

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<sup>‡</sup> Measure not available because no cases of overdosage in subjects with osteoporosis.

*Abbreviations: CAD, coronary artery disease ; CHF: congestive heart failure; COPD, chronic obstructive pulmonary disease; eGFR, estimated glomerular filtration rate; LMWH, low molecular weight heparin; VKA, vitamin K antagonist; DOAC, direct oral anticoagulant*