**Supplementary Table 1: Risk factors associated with thromboembolism in AF patients with or without CKD.**

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| --- | --- | --- | --- | --- | --- |
| **Variables** | **Univariate Analysis** | |  | **Multivariate Analysis** | |
| **HR (95% CI)** | ***P*** |  | **HR (95% CI)** | ***P*** |
| Sex, female | 1.38(1.19–1.62) | <.0001 |  | 1.26(1.04–1.53) | 0.017 |
| Age, per year | 1.04(1.03–1.05) | <.0001 |  | 1.03(1.02–1.04) | <.0001 |
| AF type, persistent AF | 1.25(1.07–1.46) | 0.005 |  | 1.21(1.03–1.42) | 0.024 |
| AF duration, per year | 1.01(0.99–1.02) | 0.347 |  | NA | NA |
| BMI > 28kg/m2 | 0.93(0.76–1.15) | 0.513 |  | 1.00(0.81–1.23) | 0.981 |
| Mild CKD | 1.39(1.18–1.63) | <.0001 |  | 1.05(0.89–1.25) | 0.547 |
| Smoking (any) | 0.86(0.73–1.02) | 0.089 |  | 1.06(0.84–1.32) | 0.644 |
| Alcohol consumption (any) | 0.73(0.61–0.88) | 0.001 |  | 0.99(0.78–1.27) | 0.955 |
| Heart failure | 1.26(1.08–1.48) | 0.004 |  | 0.97(0.82–1.15) | 0.721 |
| Hypertension | 1.66(1.37–2.01) | <.0001 |  | 1.29(1.06–1.57) | 0.013 |
| Diabetes mellitus | 1.17(0.99–1.38) | 0.070 |  | 0.99(0.83–1.17) | 0.886 |
| Hyperlipidemia | 1.21(1.03–1.41) | 0.017 |  | 1.19(1.01–1.39) | 0.034 |
| Thromboembolism | 2.27(1.93–2.67) | <.0001 |  | 1.94(1.64–2.29) | <.0001 |
| Vascular disease | 1.38(1.16–1.64) | 0.000 |  | 1.11(0.92–1.33) | 0.275 |
| OAC (any) | 0.91(0.77–1.07) | 0.261 |  | 0.80(0.64–1.00) | 0.048 |
| Antiplatelet (any) | 1.13(0.97–1.33) | 0.116 |  | 0.95(0.77–1.17) | 0.610 |
| Completed high school | 0.93(0.77–1.12) | 0.433 |  | NA | NA |
| Health insurance (any) | 1.15(0.80–1.65) | 0.441 |  | NA | NA |

AF: Atrial fibrillation; BMI: Body mass index; CI: Conﬁdence interval; CKD: Chronic kidney disease; HR: Hazard ratio; NA: Not available; OAC: Oral anticoagulant.