**SUPPLEMENTAL MATERIAL**

**Risks associated with discontinuation of oral anticoagulation in newly diagnosed patients with atrial fibrillation: Results from the GARFIELD-AF Registry**

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**Supplemental figure S1.** Time to discontinuation by treatment, among patients that did not switch treatment prior to discontinuing.

**Supplemental Table S1**. Propensity score results: Multivariable relationship between baseline and time-dependent variables and risk of discontinuation. A hazard ratio (HR) >1 is associated with a greater risk of discontinuation

|  |  |  |  |
| --- | --- | --- | --- |
|  | **HR** | **95% Confidence interval** | **P-value** |
| **Baseline variable** |  |  |  |
| Increasing age | 0.84 | 0.81-0.88 | <0.001 |
| Male sex | 1.07 | 0.97-1.18 | 0.165 |
| Heart Failure | 0.94 | 0.85-1.03 | 0.179 |
| History of bleeding | 1.43 | 1.14-1.80 | 0.002 |
| History of stroke/TIA | 0.81 | 0.71-0.93 | 0.003 |
| Hypertension | 0.92 | 0.84-1.01 | 0.069 |
| Diabetes mellitus | 0.88 | 0.80-0.97 | 0.011 |
| Coronary artery disease | 1.14 | 1.00-1.30 | 0.052 |
| History of ACS  | 0.84 | 0.70-0.99 | 0.041 |
| Type of atrial fibrillation |  |  |  |
| Unclassified vs Persistent  | 1.08 | 0.97-1.22 | 0.164 |
| Paroxysmal vs Persistent  | 1.15 | 1.02-1.29 | 0.021 |
| Permanent vs. Persistent | 0.73 | 0.63-0.86 | <0.001 |
| Care setting location$ |  |  |  |
| Emergency room | 1.37 | 1.18-1.59 | <0.001 |
| Anticoagulation clinic /Thrombosis centre /Hospital | 1.25 | 1.12-1.39 | <0.001 |
| Care setting specialty€ |  |  |  |
| Primary care | 1.19 | 1.05-1.36 | 0.006 |
| Neurology | 0.70 | 0.48-1.02 | 0.066 |
| Caucasian race vs. other | 1.32 | 1.11-1.58 | 0.002 |
| Weeks from AF onset to treatment\* | 0.96 | 0.93-0.99 | 0.005 |
| Alcohol use |  |  |  |
| Light | 1.06 | 0.96-1.17 | 0.248 |
| Moderate | 1.07 | 0.92-1.34 | 0.368 |
| Heavy | 1.16 | 0.89-1.52 | 0.261 |
| Kidney disease |  |  |  |
| Stage II | 1.17 | 1.04-1.31 | 0,009 |
| Stage III | 1.34 | 1.17-1.52 | <0.001 |
| Stage IV | 1.57 | 1.13-2.20 | 0.008 |
| Stage V | 1.92 | 1.17-3.14 | 0.009 |
| **Time-dependent variables** |  |  |  |
| Major bleeding | 10.02 | 7.19-13.98 | <0.001 |
| Clinically relevant non-major bleeding | 2.70 | 2.24-3.25 | <0.001 |
| Minor bleeding | 1.90 | 1.61-2.23 | <0.001 |
| Left atrial appendage procedure | 4.99 | 1.82-13.70 | 0,002 |
| NHS or SE | 4.09 | 2.55-6.56 | <0.001 |
| Myocardial infarction | 2.74 | 1.69-4.43 | <0.001 |

 \*HR for age is for an increase of 10 years. HR relates to ages from 18-75 years. Risk is flat above 75. HR for weeks from AF onset to treatment is per unit 1 increase. $reference: Office. €Reference: cardiology/internal medicine. CI: confidence interval, ACS: acute coronary syndrome, NHS: nonhemorraghic stroke, SE: systemic embolism.

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