Table 3. Clinical factors for atrial fibrillation recurrence determined by univariate and multivariate analyses

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| --- | --- | --- | --- |
|  | **Univariate analysis** | **Multivariate analysis** | **Multivariate analysis** |
|  | **Model 1** | **Model 2** |
| **HR, 95% CI** | **HR, 95% CI** | **HR, 95% CI** |
| Age(years) | 0.96 (0.94-0.99) \* | 0.95 (0.92-0.98) \* |  |
| Male (%) | 2.14 (0.65-6.99) | 1.63 (0.46-5.80) |  |
| BMI (kg/m2) | 1.07 (0.96-1.19) |  |  |
| Hypertension (%) | 1.08 (0.53-2.21) |  |  |
| Dyslipidemia (%) | 0.69 (0.34-1.40) |  |  |
| Diabetes (%) | 1.12 (0.49-2.57) |  |  |
| Prior stroke (%) | 0.65 (0.16-2.73) |  |  |
| Chronic heart failure (%) | 0.82 (0.36-1.90) |  |  |
| CAD (%) | 0.33 (0.05-2.44) |  |  |
| CHA2DS2-VASc score | 0.79 (0.61-1.02) |  | 0.74 (0.56-0.97) \* |
| Creatinine (mg/dl） | 2.06 (0.71-6.03) |  |  |
| BNP (pg/dl) | 1.00 (0.99-1.00) |  |  |
| LAD (mm) | 1.04 (0.98-1.09) | 1.02 (0.96-1.08) | 1.02 (0.95-1.08) |
| LVEF (%) | 1.01 (0.97-1.04) |  |  |
| Duration of AF (months) | 1.01 (1.00-1.02) \* | 1.01 (1.00-1.02) \* | 1.01 (1.00-1.01) |
| Non-PV foci (%) | 1.89 (0.95-3.71) | 1.86 (0.93-3.72) | 1.95 (0.98-3.88) |
| Low voltage zone (%) | 3.43 (1.70-6.95) \*\* | 2.18 (1.00-4.79) | 2.87 (1.36-6.03) \* |
| AADs after RFCA (%) | 4.99 (1.52-16.37) \* | 4.32 (1.29-14.65) \* | 4.06 (1.24-13.31) \* |
| IDF output > 5J | 3.61 (1.78-7.32) \*\* | 3.99 (1.93-8.22) \*\* | 2.83 (1.34-5.95) \* |

BMI, body-mass index; CAD, coronary artery disease; LAD, left atrial diameter; LVEF, left ventricular ejection fraction; AF, atrial fibrillation; PV, pulmonary vein; AAD, anti-arrhythmic drug; RFCA, radiofrequency catheter ablation; IDF, intracardiac defibrillation.

\* had a p < 0.05, \*\* had a p < 0.001