**S2 Table. Subgroup analysis showing odds ratio of NOAC for having SEC, dense SEC, or thrombus as compared with warfarin.**

**(A)** High CHA2DS2-VASc vs. low CHA2DS2-VASc

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Subgroups** | **OR of NOAC for having SEC, dense SEC, or thrombus** | **p value** | **p for interaction** |
| **SEC** | CHA2DS2-VASc ≥ 2 | 0.972 (0.527 – 1.792) | 0.928 | 0.833 |
| CHA2DS2-VASc 0 – 1 | 0.886 (0.481 – 1.632) | 0.697 |
|  |  |  |  |  |  |  |
| **Dense SEC** | CHA2DS2-VASc ≥ 2 | 1.011 (0.475 – 2.152) | 0.978 | 0.973 |
| CHA2DS2-VASc 0 – 1 | 1.033 (0.367 – 2.910) | 0.951 |
|  |  |  |  |  |  |  |
| **Thrombus** | CHA2DS2-VASc ≥ 2 | 1.852 (0.447 – 7.669) | 0.395 | 0.835 |
| CHA2DS2-VASc 0 – 1 | 1.329 (0.082 – 21.588) | 0.842 |
|  |  |  |  |  |  |  |

**(B)** Age ≥ 60 vs. age < 60

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Subgroups** | **OR of NOAC for having SEC, dense SEC, or thrombus** | **p value** | **p for interaction** |
| **SEC** | Age ≥ 60 | 1.102 (0.617 – 1.969) | 0.742 | 0.494 |
| Age < 60 | 0.811 (0.418 – 1.573) | 0.535 |
|  |  |  |  |  |  |  |
| **Dense SEC** | Age ≥ 60 | 1.787 (0.845 – 3.779) | 0.129 | 0.031 |
| Age < 60 | 0.379 (0.115 – 1.246) | 0.110 |
|  |  |  |  |  |  |  |
| **Thrombus** | Age ≥ 60 | 3.361 (0.660 – 17.113) | 0.144 | 0.229 |
| Age < 60 | 0.561 (0.050 – 6.312) | 0.640 |
|  |  |  |  |  |  |  |

**(C)** Average LAA flow velocity ≤ 25 cm/sec vs. average LAA flow velocity > 25 cm/sec

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Subgroups** | **OR of NOAC for having SEC, dense SEC, or thrombus** | **p value** | **p for interaction** |
| **SEC** | LAA flow velocity ≤ 25 | 1.682 (0.647 – 4.369) | 0.286 | 0.357 |
| LAA flow velocity > 25 | 1.000 (0.573 – 1.747) | > 0.999 |
|  |  |  |  |  |  |  |
| **Dense SEC** | LAA flow velocity ≤ 25 | 1.310 (0.582 – 2.950) | 0.514 | 0.959 |
| LAA flow velocity > 25 | 1.357 (0.456 – 4.039) | 0.583 |
|  |  |  |  |  |  |  |
| **Thrombus** | LAA flow velocity ≤ 25 | 2.375 (0.537 – 10.510) | 0.254 | 0.910 |
| LAA flow velocity > 25 | 2.017 (0.180 – 22.549) | 0.569 |
|  |  |  |  |  |  |  |

LAA: left atrial appendage; NOAC: non-vitamin K antagonist oral anticoagulants; OR: odds ratio; SEC: spontaneous echo-contrast.