**Impact of Clinical Phenotypes on Management and Outcomes in European Atrial Fibrillation Patients: A report from the ESC-EHRA EURObservational Research Programme in AF (EORP-AF) General Long-Term Registry**

**Running Title:** Cluster Analysis in AF

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on behalf of the ESC-EHRA EORP-AF Long-Term General Registry Investigators

*Additional File 1*

**Table S1: Use of Antithrombotic drugs according to Patient Clusters in patients with High Thromboembolic Risk**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Cluster 1** | **Cluster 2** | **Cluster 3** | **P** |
| **Any Antiplatelet**, n (%) 6984 | 670 (19.7) | 239 (11.3) | 809 (27.5) | <.001 |
| **Any OAC**, n (%) 6985 | 2983 (87.8) | 189 (89.9) | 2552 (86.8) | .004 |
| **Any VKA**, n (%) 6985 | 1749 (51.5) | 994 (47.1) | 1635 (55.6) | <.001 |
| **Any NOAC**, n (%) 6982 | 1238 (36.5) | 905 (42.9) | 918 (31.2) | <.001 |
| **Antithrombotic Pattern**, n (%) 6984  *No Antithrombotic*  *Only Antiplatelet*  *Only VKA*  *Only NOAC*  *Antiplatelet + OAC* | 167 (4.9)  247 (7.3)  1448 (42.7)  1110 (32.7)  423 (12.5) | 118 (5.6)  96 (4.5)  898 (42.5)  856 (40.5)  143 (6.8) | 140 (4.8)  249 (8.5)  1225 (41.7)  767 (26.1)  560 (19.0) | <.001 |

**Legend:** NOAC= Non-Vitamin K Antagonist Oral Anticoagulant; OAC= Oral Anticoagulant; VKA= Vitamin K Antagonist.

**STROBE Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Item No | Recommendation | Page No |
| **Title and abstract** | 1 | (*a*) Indicate the study’s design with a commonly used term in the title or the abstract | 1 |
| (*b*) Provide in the abstract an informative and balanced summary of what was done and what was found | 2 |
| Introduction | | | |
| Background/rationale | 2 | Explain the scientific background and rationale for the investigation being reported | 4-5 |
| Objectives | 3 | State specific objectives, including any prespecified hypotheses | 5 |
| Methods | | | |
| Study design | 4 | Present key elements of study design early in the paper | 5-6 |
| Setting | 5 | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection | 5-6 |
| Participants | 6 | (*a*) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up | 5,6,9 |
| (*b*)For matched studies, give matching criteria and number of exposed and unexposed |  |
| Variables | 7 | Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable | 9,10 |
| Data sources/ measurement | 8\* | For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group | 6,7,8 |
| Bias | 9 | Describe any efforts to address potential sources of bias | 10-11 |
| Study size | 10 | Explain how the study size was arrived at | 12 |
| Quantitative variables | 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why | 6,7,8 |
| Statistical methods | 12 | (*a*) Describe all statistical methods, including those used to control for confounding | 10-11 |
| (*b*) Describe any methods used to examine subgroups and interactions |  |
| (*c*) Explain how missing data were addressed |  |
| (*d*) If applicable, explain how loss to follow-up was addressed |  |
| (*e*) Describe any sensitivity analyses |  |
| Results | | |  |
| Participants | 13\* | (a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed | 12 |
| (b) Give reasons for non-participation at each stage |  |
| (c) Consider use of a flow diagram |  |
| Descriptive data | 14\* | (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders | 12-14 |
| (b) Indicate number of participants with missing data for each variable of interest |  |
| (c) Summarise follow-up time (eg, average and total amount) |  |
| Outcome data | 15\* | Report numbers of outcome events or summary measures over time | 15-17 |

|  |  |  |  |
| --- | --- | --- | --- |
| Main results | 16 | (*a*) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included | 15,16, 39, 41 |
| (*b*) Report category boundaries when continuous variables were categorized |  |
| (*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period |  |
| Other analyses | 17 | Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses | 16,17,42 |
| Discussion | | | |
| Key results | 18 | Summarise key results with reference to study objectives | 17 |
| Limitations | 19 | Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias | 21,22 |
| Interpretation | 20 | Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence | 21,22 |
| Generalisability | 21 | Discuss the generalisability (external validity) of the study results | 21,22 |
| Other information | | | |
| Funding | 22 | Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based | 25 |

**APPENDIX**

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