**Supplementary Table 1. Search strategy.**

((Atrial Fibrillations[Title/Abstract]) OR (Fibrillation, Atrial[Title/Abstract])OR(Fibrillations, Atrial[Title/Abstract])OR(Auricular Fibrillation[Title/Abstract])OR(Auricular Fibrillations[Title/Abstract])OR(Fibrillation, Auricular[Title/Abstract])OR(Fibrillations, Auricular[Title/Abstract])OR(Persistent Atrial Fibrillation[Title/Abstract])OR(Atrial Fibrillation, Persistent[Title/Abstract])OR(Atrial Fibrillations, Persistent[Title/Abstract])OR(Fibrillation, Persistent Atrial[Title/Abstract])OR(Fibrillations, Persistent Atrial[Title/Abstract])OR(Persistent Atrial Fibrillations[Title/Abstract])OR(Familial Atrial Fibrillation[Title/Abstract])OR(Atrial Fibrillation, Familial[Title/Abstract])OR(Atrial Fibrillations, Familial[Title/Abstract])OR(Familial Atrial Fibrillations[Title/Abstract])OR(Fibrillation, Familial Atrial[Title/Abstract])OR(Fibrillations, Familial Atrial[Title/Abstract])OR(Paroxysmal Atrial Fibrillation[Title/Abstract])OR(Atrial Fibrillation, Paroxysmal[Title/Abstract])OR(Atrial Fibrillations, Paroxysmal[Title/Abstract])OR(Fibrillation, Paroxysmal Atrial[Title/Abstract])OR(Fibrillations, Paroxysmal Atrial[Title/Abstract])OR(Paroxysmal Atrial Fibrillations[Title/Abstract])) AND ((platelet[Title/Abstract]) OR (lymphocyte[Title/Abstract]))

Embase：

'Atrial Fibrillation':ab,ti or 'atrium fibrillation':ab,ti or 'auricular fibrilation':ab,ti or 'auricular fibrillation':ab,ti or 'cardiac atrial fibrillation':ab,ti or 'cardiac atrium fibrillation':ab,ti or 'fibrillation, heart atrium':ab,ti or 'heart atrial fibrillation':ab,ti or 'heart atrium fibrillation':ab,ti or 'heart fibrillation atrium':ab,ti or 'non-valvular atrial fibrillation':ab,ti or 'nonvalvular atrial fibrillation':ab,ti or 'atrial fibrillation':ab,ti and 'platelet':ab,ti and 'lymphocyte':ab,ti

Cochrane：

ID Search Hits

#1 Atrial Fibrillation 16120

#2 MeSH descriptor: [Atrial Fibrillation] explode all trees 7475

#3 (Fibrillation, Familial Atrial or Familial Atrial Fibrillation or Atrial Fibrillations, Familial or Fibrillations, Familial Atrial or Atrial Fibrillation, Familial or Familial Atrial Fibrillations or Atrial Fibrillation, Paroxysmal or Paroxysmal Atrial Fibrillation or Fibrillation, Paroxysmal Atrial or Paroxysmal Atrial Fibrillations or Atrial Fibrillations, Paroxysmal or Fibrillations, Paroxysmal Atrial or Persistent Atrial Fibrillation or Fibrillations, Persistent Atrial or Atrial Fibrillations, Persistent or Atrial Fibrillation, Persistent or Persistent Atrial Fibrillations or Fibrillation, Persistent Atrial or Fibrillation, Auricular or Atrial Fibrillations or Auricular Fibrillations or Fibrillation, Atrial or Fibrillations, Auricular or Fibrillations, Atrial or Auricular Fibrillation):ti,ab,kw (Word variations have been searched) 15874

#4 (platelet):ti,ab,kw (Word variations have been searched) 34726

#5 (lymphocyte):ti,ab,kw (Word variations have been searched) 26951

#6 #3 and #4 and #5 27

**Supplementary Table 2. Risk of bias according to the NOS criteria**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NOS criteria for a case-control study | | | | | | | | | |  | |
| Study | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total quality scores | |
| Aksoy, 2020 [1] | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | 8 | |
| Gungor, 2017 [2] | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | 8 | |
| Navani, 2020 [3] | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | 8 | |
| Zhang, 2018 [4] | ★ | ★ | ★ | ★ | ★★ | ★ | ★ | ★ | 9 | |
| Sivri, 2022 [5] | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | 8 | |
| 1. Is the case definition adequate? 2. Representativeness of the cases; 3. Selection of controls; 4. Definition of controls; 5. Comparability of cases and controls based on the design or analysis; 6. Ascertainment of intervention; 7. The same method of ascertainment for cases and controls; 8. Non-response rate. | | | | | | | | | | | |
| NOS criteria for a cohort study | | | | | | | | | | | |
| Study | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total quality scores | |
| Dereli, 2019 [6] | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | 8 | |
| 1. Representativeness of the exposed cohort; 2. Selection of the non-exposed cohort; 3. Ascertainment of exposure; 4. Demonstration that the outcome of interest was not present at the start of the study; 5. Comparability of cohorts based on the design or analysis; 6. Assessment of outcome; 7. Was follow-up long enough for outcomes to occur?; 8. Adequacy of follow-up of cohorts. | | | | | | | | | | | |

**References**

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