***Title: Hematologic indices as the predictor of occurrence of postoperative new onset atrial fibrillation: A systematic review with meta-analysis***

* **Number of Article:**
* **Table 1: Demographic Data:**

|  |  |
| --- | --- |
| **First Author:** | **Year of Pub:** |
| **Country:**  | **Design of study:**  |
| **Type of cardiac surgery:**  | **Sample Size: with AF N: without AF-N:** |
| **On or off pump:**  | **Elective or non-elective:** |
| **CBPT: with AF : without AF:** | **CCT: with AF : without AF:** |
| **Mean Age: with AF : without AF:** | **Male (n): with AF: without AF:** |
| **DM (n): with AF: without AF:** | **HTN (n): with AF: without AF:** |
| **HLP (n): with AF: without AF:** | **Pervious MI (n): with AF: without AF:** |
| **Diuretics (n): with AF: without AF:** | **ACEI (n): with AF: without AF:** |
| **Statins (n): with AF: without AF:** | **Beta-blocker (n): with AF: without AF:** |
| **NYHA (n): with AF: without AF:** | **LVEF (%): with AF: without AF:** |

* **Table 2: Quality assessment of included studies: (Details about each item in NO-scale: attached to this checklist)**

|  |  |
| --- | --- |
| **Final Newcastle Ottawa score:**  |  |

* **Table 3: Biochemical markers (Preoperative measurement)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Biomarker** | **AF patients** | **No-AF patients** | **Unit for example g/l** |
| Mean platelet volume  |  |  |  |
| platelet distribution width |  |  |  |
| platelet count |  |  |  |
| white blood cell count |  |  |  |
| Neutrophil/Lymphocyte |  |  |  |
| RBC distribution width |  |  |  |
| MCV |  |  |  |
| MCHC |  |  |  |
| Hb |  |  |  |
|  |

* **Table 4: Biochemical markers: (Postoperative measurement)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Biomarker** | **AF patients** | **No-AF patients** | **Unit for example g/l** |
| Mean platelet volume  |  |  |  |
| platelet distribution width |  |  |  |
| platelet count |  |  |  |
| white blood cell count |  |  |  |
| Neutrophil/Lymphocyte |  |  |  |
| RBC distribution width |  |  |  |
| MCV |  |  |  |
| MCHC |  |  |  |
| Hb |  |  |  |

* **Attachment: NOS for case-control studies (if this study is case-control)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Selection****(score)** | **Comparability****(score)** | **Exposure****(score)** | **Total Score** |
| Case definition | Representative of cases | Selections of controls | Definition of controls | Comparability of cases and controls on the basis of the design or analysis  | Ascertainment of exposure | Same method ascertainment participants | Nonresponse rate |  |
|  |  |  |  |  |  |  |  |  |

* **Attachment: NOS for cohort studies (if this study is cohort)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Selection****(score)** | **Comparability****(score)** | **Exposure****(score)** | **Total Score** |
| Representative of exposed cohort | Selections of non-exposed cohort | Assessment of exposure | Demonstration that outcome of interest was not present at start of study | Comparability of cohorts on the basis of the design or analysis | Ascertainment of outcome | Was follow-up long enough for outcomes to occur? | Adequacy of follow up of cohorts |  |
|  |  |  |  |  |  |  |  |  |