Extracorporeal membrane oxygenation meta-analysis of time-to-event data V.1

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ABSTRACT

Survival benefit of patients on extracorporeal membrane oxygenation (ECMO) has been investigated in terms of hazard ratios, not relative risks, to better weigh its beneficiary and adverse effects.

GUIDELINES

This protocol has been written before the start of actual search process. This protocol web-link will only be shared internally, until the journal formally requests that the protocols.io publish the protocol.

1 We will perform Pubmed search using the following search keywords:

Title/Abstract: "extracorporeal membrane oxygenation" OR "extra corporeal membrane" OR "extra-corporeal membrane" OR "ECMO" OR "extracorporeal life support" OR "extra corporeal life support" OR "extra-corporeal life support" OR "ELS" OR "ECLS"

Title/Abstract: "mortality" OR "mortalities" OR "hazard" OR "hazards" OR "survival"

- 2 The first author will export PMID as .txt file format and share this file with the second author. Both authors will copy and paste PMID in Endnote so that to find full texts automatically whenever possible.

- 3 Please note that PMID is referred to as "Accession Number" in the endnote.

- 4 Both authors will independently screen articles by the title and abstract according to the predefined selection criteria outlined the main article.
- 5 In unclear cases, we will check the full-text papers in search of hazard ratio or other equivalent information to estimate hazard ratio such as log-rank/logrank value and Kaplan-Meier survival curve, by employing Ctrl+F for "haza", "log-r", "logr", "Kapl". We will additionally employ SCOPUS and Web of Science Core Collection to acquire full-text papers or will purchase the articles if necessary.
- 6 In the log file, both authors will independently mark selection determination with comments, and the senior author(s) will later address the disagreements on the search results.