| Section/topic | Item No | Checklist item | Reported on Page Number/Line Number | Reported on Section/Paragraph |
|---------------|---------|----------------|------------------------------------|------------------------------|
| TITLE         | Title   | Identify the report as a systematic review. | Pages 1, 2 and 4 | Title page, abstract and introduction |
|               | Abstract| See the PRISMA 2020 for Abstracts checklist (Table 2). | Page 2 (25-48) | Abstract |
| INTRODUCTION  | Rationale | Describe the rationale for the review in the context of existing knowledge. | Page 2 (44-45) and 4 | Abstract and introduction |
|               | Objectives | Provide an explicit statement of the objective(s) or question(s) the review addresses. | Page 4 (77-80) | Introduction |
| METHODS       | Eligibility criteria | Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses. | N/A: not specified | N/A: not specified in any section |
|               | Information sources | Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted. | N/A: not specified | N/A: not specified in any section |
|               | Search strategy | Present the full search strategies for all databases, registers and websites, including any filters and limits used. | N/A: not specified | N/A: not specified in any section |
|               | Selection process | Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process. | N/A: not specified | N/A: not specified in any section of the manuscript |
|               | Data collection process | Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process. | page 41 | Authors contribution |
|               | Data items | List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect. | Page 4 (83,84), 7 (152,153), 10 (232-234) and 13 (291-292) | Coagulation disorders associated with COVID-19, Pathoenvsioseov of acute |
|               | 10b | List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information. | N/A, not specified in full manuscript | Any section |
| Study risk of bias assessment | 11 | Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process. | N/A: not specified in the full manuscript | Any section is applicable |
| Effect measures | 12 | Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results. | Rates and standard deviation (i.e. page 11, 15) | Risk of acute VTE in COVID-19 patients |
| Synthesis methods | 13a | Describe the processes used to decide which studies were eligible for each synthesis. | N/A: not specified | not applicable for this review |
| | 13b | Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions. | Page 33-34 and figure 2 | Table 1 and Figure 2. |
| | 13c | Describe any methods used to tabulate or visually display results of individual studies and syntheses. | Pages 33-37 | Tables 1 and 2 |
| | 13d | Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used. | N/A | not applicable for this review |
| | 13e | Describe any methods used to explore possible causes of heterogeneity among study results. | N/A | Not employed in this |
| | 13f | Describe any sensitivity analyses conducted to assess robustness of the synthesized results. | N/A | Not employed in this |
| Reporting bias assessment | 14 | Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases). | N/A | Not employed in this review |
| Certainty assessment | 15 | Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome. | Confidence interval 95% and OR (i.e. page 12, 164) | Table 1 and Figure 2 and Results |
| RESULTS | Study selection | 16a | Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram. | Figure 2 | Figure 2 |
| | 16b | Cite studies that met many but not all inclusion criteria ('near-misses') and explain why they were excluded. | N/A | Not specified in the full |
| Study characteristics | 17 | Cite each included study and present its characteristics. | Pages 33-35 | table 1 |
| Risk of bias in studies | 18 | Present assessments of risk of bias for each included study. | N/A | Not specified in the full manuscript |
| Results of individual studies | 19 | For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots. | Pages 33-35 and figure 2 | table 1 and figure 2 |
| Results of syntheses | 20a | For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies. | Figure 2 | Figure 2 |
|----------------------|-----|--------------------------------------------------------------------------------------------------|--------|--------|
| 20b                  |     | Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect. | N/A   | not applicable for this review |
| 20c                  |     | Present results of all investigations of possible causes of heterogeneity among study results. | N/A   | not applicable for this |
| 20d                  |     | Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results. | N/A   | not applicable for this |
| Reporting biases     | 21  | Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed. | Pages 33-35 | Table 1 |
| Certainty of evidence| 22  | Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed. | i.e. page 12 (263-264) | Section Risk of acute VTE in COVID-19 patients |

**DISCUSSION**

| Discussion           | 23a | Provide a general interpretation of the results in the context of other evidence. | Page 19 (432-463) | Conclusions |
|----------------------|-----|---------------------------------------------------------------------------------|-------------------|-------------|
| 23b                  |     | Discuss any limitations of the evidence included in the review.                 | N/A               | Not specified |
| 23c                  |     | Discuss any limitations of the review processes used.                           | N/A               | Not specified |
| 23d                  |     | Discuss implications of the results for practice, policy, and future research.   | Page 18-19 (421-430) | Future research |

**OTHER INFORMATION**

| Registration and protocol | 24a | Provide registration information for the review, including register name and registration number, or state that the review was not registered. | N/A | not applicable for this review |
|---------------------------|-----|-----------------------------------------------------------------------------------------------------------------|-----|-----------------------------|
| 24b                       |     | Indicate where the review protocol can be accessed, or state that a protocol was not prepared.                   | N/A | not applicable for this |
| 24c                       |     | Describe and explain any amendments to information provided at registration or in the protocol.                  | N/A | not applicable for this |
| Support                   | 25  | Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review. | Page 1 (20) | This study has not received any funding or support |
| Competing interests       | 26  | Declare any competing interests of review authors.                                                                | Page 1 (21) | All authors declare no conflict of interest related to this study |
| Availability of data, code and other materials | 27  | Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review. | N/A | not applicable for this review |
Table 2 PRISMA 2020 for Abstracts checklist

| Section/topic | Item No | Checklist item                                                                 | Reported on Page Number/Line Number | Reported on Section/Paragraph |
|---------------|---------|--------------------------------------------------------------------------------|-------------------------------------|-----------------------------|
| TITLE         | 1       | Identify the report as a systematic review.                                    | Page 2 (44-45)                     | Abstract                    |
|               | 2       | Provide an explicit statement of the main objective(s) or question(s) the review addresses. | Page 2 (44-45)                     | Abstract                    |
| BACKGROUND    | 3       | Specify the inclusion and exclusion criteria for the review.                   | N/A                                 | not specified in abstract   |
|               | 4       | Specify the information sources (e.g. databases, registers) used to identify studies and the date when each was last searched. | N/A                                 | not specified in abstract section |
|               | 5       | Specify the methods used to assess risk of bias in the included studies.       | N/A                                 | not specified in abstract   |
|               | 6       | Specify the methods used to present and synthesize results.                    | N/A                                 | not specified in abstract section |
| METHODS       | 7       | Give the total number of included studies and participants and summarise relevant characteristics of studies. | N/A                                 | No applicable for the     |
|               | 8       | Present results for main outcomes, preferably indicating the number of included studies and participants for each. If meta-analysis was done, report the summary estimate and confidence/credible interval. If comparing groups, indicate the direction of the effect (i.e. which group is favoured). | N/A                                 | No applicable for the distribution form of this review |
| RESULTS       | 9       | Provide a brief summary of the limitations of the evidence included in the review (e.g. study risk of bias, inconsistency and imprecision). | N/A                                 | No applicable for the distribution form of this review |
|               | 10      | Provide a general interpretation of the results and important implications.     | N/A                                 | No applicable for the     |
| DISCUSSION    | 11      | Specify the primary source of funding for the review.                          | Page 1 (20)                        | Title page                 |
|               | 12      | Provide the register name and registration number.                             | N/A                                 | Not provided               |

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Article information: http://dx.doi.org/10.21037/jtd-20-3602.
*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.