**Supplementary data**

**Table S1.** Details of the search strategy.

| No. | Database            | Search strategy                                                                                                                                 |
|-----|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | MEDLINE             | 1. (COVID-19) OR (coronavirus disease 2019) OR (COVID 19) OR COVID19 OR “2019 novel coronavirus” OR 2019nCoV OR (2019 nCoV) OR “new coronavirus” OR (Wuhan AND coronavirus) OR (SARS CoV-2) OR “new coronavirus” OR (SARS-CoV-2) OR (2019-nCoV)  

2. (Electrocardiogra* OR ECG OR EKG).ti. ab.  

3. Prognos* OR (prognostic factor*) OR mortal* OR death OR sever* OR (critically ill)  

4. #1 and #2 and #3 and 2020/01/01:2020/11/01[dp] |
| 2   | Cochrane Central Database | (2019 nCoV) OR 2019nCoV OR “2019 novel coronavirus” OR (COVID-19) OR COVID19 OR “new coronavirus” OR “novel coronavirus” OR (SARS CoV-2) OR (coronavirus disease 2019) in All Text AND Electrocardiogra* OR ECG OR EKG in Title Abstract Keyword AND Prognos* OR (prognostic factor*) OR mortal* OR death OR sever* OR (critically ill) in All Text - with Cochrane Library publication date Between Jan 2020 and Nov 2020 |
| 3   | Europe PMC          | ((COVID-19) AND (electrocardiogram or electrocardiography or electrocardiographic) AND (mortality OR death OR severe OR severity OR critically ill) AND (FIRST_PDATE:[2020-01-01 TO 2020-11-01])) |
Figure S1. Several ECG findings and the outcome of COVID-19. (A) a longer PR interval, (B) right bundle branch block, and (C) ST-elevation are not associated with increased risk of composite poor outcome.

Table S2. Assessment of included studies in the Newcastle-Ottawa Scale (NOS).

| No | Study            | Selection (max 4 stars) | Comparability (max 2 stars) | Outcome (max 3 stars) |
|----|------------------|-------------------------|-----------------------------|-----------------------|
| 1  | Barman, 2020     | ****                    | **                          | ***                   |
| 2  | Lanza 2020       | ****                    | **                          | ***                   |
| 3  | Li, 2020         | ****                    | **                          | ***                   |
| 4  | McCullough, 2020 | ****                    | **                          | ***                   |
| 5  | Moey, 2020       | ****                    | *                           | ***                   |
| 6  | Poterucha, 2020  | ****                    | **                          | **                    |
| 7  | Rath, 2020       | ****                    | **                          | **                    |