| Study    | Huang et al. [3] | Wang et al. [4] | Gu et al. [5] | Zhang et al. [6] | Hu et al. [7] | Gun et al. [8] | Zhang et al. [9] | Zhang et al. [10] | Rosenberg et al. [11] | Lei et al. [12] | Fan et al. [13] | Misra et al. [14] | Salas et al. [15] | Incerti et al. [16] | Bhola et al. [17] | Sala et al. [18] | Erman et al. [19] | Guo et al. [20] | Gu et al. [21] | Gun et al. [22] | Huang et al. [23] | Wan et al. [24] | Shi et al. [25] | Zhou et al. [26] | Legl et al. [27] | Wang et al. [28] | Chen et al. [29] | Yang et al. [30] | Jin et al. [31] | Jin et al. [32] | Jin et al. [33] | Jin et al. [34] | Jin et al. [35] | Jin et al. [36] | Jin et al. [37] | Jin et al. [38] | Jin et al. [39] | Jin et al. [40] | Jin et al. [41] | Jin et al. [42] | Wang et al. [43] |
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| Were the clear criteria for inclusion in the case series? | No               | Yes              | Yes            | No               | No             | No             | Yes              | No               | Yes                 | No             | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Were the conditions measured in a standard, reliable way for all participants included in the case series? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Unclar           | Yes              | Yes                 | No             | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Were valid methods used for identification of the condition for all participants included in the case series? | Yes              | Yes              | Yes            | Yes              | Yes            | No             | Yes              | Yes              | Yes                 | No             | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Did the case series have consecutive inclusion of participants? | No               | Yes              | Yes            | Yes              | Yes            | Yes            | No               | Yes              | Yes                 | No             | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Did the case series have complete inclusion of patients? | Unclear          | Unclear          | Unclear        | Unclear          | Unclear        | Unclear        | Unclear          | Unclear          | Unclear               | Unclear | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          | Unclear          |
| Was there clear reporting of the demographics of the participants in the study? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Was there clear reporting of outcomes or the participants? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Were the outcomes or follow-up results of cases directly exposed? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Was there clear reporting of the parenting plans? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Was there clear reporting of preeclampsia? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | No             | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Was there clear reporting of the pulmonary status? | Yes              | Yes              | Yes            | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Was the quality of the method clear? | Yes              | Yes              | Unclear        | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |
| Was the analysis appropriate? | Yes              | Yes              | Unclear        | Yes              | Yes            | Yes            | Yes              | Yes              | Yes                 | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              | Yes              |

Table S1. Quality assessment of the studies on cardiovascular disease as a comorbidity in coronavirus disease 2019 patients using the Joanna Briggs Institute’s tool