

Quality Assessment and Summary of Key Characteristics of Included Studies

Table S1. Case Reports/Case Series Studies assessed using the Murad Tool Scoring Criteria [1]. The study is classified as "good quality" – score 4, "fair quality" – score 3 and "poor quality" score between 1-2

Author	Country	Number of eligible newborns	Quality Assessment Score
Abadía-Cuchí <i>et al</i> [2]	Spain	1	2
Alzamora MC <i>et al</i> [3]	Peru	1	4
Babal <i>et al</i> [4]	Slovakia	1	2
Boncompagni <i>et al</i> [5]	Italy	1	3
Bouachba[6]	France	2	4
Buonsenso D <i>et al</i> [7]	Italy	1	3
Bullock <i>et al</i> [8]	USA	1	4
Carvalho <i>et al</i> [9]	Brazil	2	4
Choobdar <i>et al</i> [10]	Iran	1	3
Correia <i>et al</i> [11]	Portugal	1	2
Daza[12]	Columbia	1	4
Disse <i>et al</i> [13]	Germany	2	3
Dong <i>et al</i> [14]	China	1	4
Enache <i>et al</i> [15]	Romania	1	3
Eich[16]	Germany	1	4
Ergon <i>et al</i> [17]	Turkey	1	3
Facchetti <i>et al</i> [18]	Italy	1	2
Farhadi <i>et al</i> [19]	Iran	1	4
Favre <i>et al</i> [20]	Switzerland	1	3
Fitzgerald <i>et al</i> [21]	Ireland	5	3
Fusco <i>et al</i> [22]	Brazil	3	4
Gant <i>et al</i> [23]	USA	1	4
Garcia-Ruiz <i>et al</i> [24]	Spain	1	2
Guan[25]	USA	1	4
Karade <i>et al</i> [26]	India	1	3
Kirtsman <i>et al</i> [27]	Canada	1	3
Kohorn <i>et al</i> [28]	USA	1	3
Lesieur <i>et al</i> [29]	France	1	3

Lorenz N et al[30]	Germany	1	3
Marinho et al[31]	Brazil	1	4
Marton et al[32]	UK	1	2
Marzollo et al[33]	Italy	1	3
Morales et al[34]	Mexico	1	3
Min Yi et al[35]	Singapore	1	2
NG David et al [36]	Malaysia	1	3
Parsa et al[37]	Iran	1	4
Popescu et al[38]	Romania	1	2
Pulinx et al[39]	Belgium	2	2
Reagan-Steiner et al[40]	USA	1	3
Rebello et al[41]	Brazil	1	3
Richtmann et al[42]	Brazil	1	4
Rodrigues et al[43]	Portugal	1	2
Sagara et al[44]	Japan	1	4
Schwartz[45]	Georgia	2	2
Sessa et al [46]	Italy	2	3
Shaiba et al[47]	Saudi-Arabia	1	2
Shen et al[48]	USA	1	2
Shook et al[49]	USA	2	4
Sukhikh et al[50]	Russia	1	3
Vivanti et al[51]	France	5	2
Vivanti et al[52]	France	1	4
Zaigham et al[53]	Sweden	9	3
Zamaniyan et al[54]	Iran	1	4
Zhang et [55]	USA	1	2
Zinserling et al[56]	Russia	1	4

Table S2. Scoring Criteria for the Murad Tool

Selection	<ul style="list-style-type: none"> • Were the cases presented from a particular study period?
Ascertainment	<ul style="list-style-type: none"> • Were the cases positive for COVID-19 according to the accepted criteria? • Was the neonates' clinical status reported?
Causality	<ul style="list-style-type: none"> • Have alternative causes for the presence of symptoms besides COVID-19 infection been ruled out? • Was the duration of the follow-up sufficient for outcomes to occur, such as neonatal discharge or death?

Reporting	<ul style="list-style-type: none"> Was the case described sufficiently for other researchers to replicate the study or for practitioners to draw inferences about their own practice?
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Table S3. Studies were assessed based on Newcastle-Ottawa Scale. A study with a score of 6 or more is classified as high quality, 4-5 as medium quality, and less than 4 as low quality, using the Newcastle-Ottawa Scale[57].

Study	Country	Cohort size	Number of cases with confirmed vertical transmission	Quality Assessment Score
<i>Argueta et al</i> [58]	USA	54	1	5
<i>Fenizia et al</i> [59]	Italy	31	1	5
<i>Garrido-Pontnou et al</i> [60]	Spain	198	4	2

Table S4. Scoring Criteria for the Newcastle-Ottawa Scale

Selection	<ul style="list-style-type: none"> Were the cases presented representative of the average in the target population? Were there cases with negative COVID-19 test? Were the cases taken from medical records? Was the subject of vertical transmissions followed in the study from de beginning?
Comparability	<ul style="list-style-type: none"> Were the cases of interest compared to other groups based on the study design or analysis?
Outcome	<ul style="list-style-type: none"> Was there sufficient clinical data on the neonates? Were the confirmed cases followed up long enough for outcome to occur? Was there a complete follow-up of the confirmed cases?

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