Supplementary: Medline Search

Systematic review search strategy

Database: Ovid MEDLINE(R) ALL <1946 to July 09, 2021>
Search Strategy:

1	exp Cerebral Palsy/
2	(cerebral adj pals$).tw.
3	CP.tw.
4	1 or 2 or 3
5	exp Epidemiology/
6	epidemiolog$.tw.
7	exp "Cost of Illness"/
8	burden$.tw.
9	exp Hospitalization/
10	exp Morbidity/
11	exp Mortality/
12	exp Death/
13	(hospital$ or morbid$ or mortalit$ or death$).tw.
14	exp Incidence/
15	exp Prevalence/
16	(inciden$ or prevalen$).tw.
17	exp Disease Notification/
18	(notif$ or case$).tw.
19	(sign$ or symptom$ or feature$ or manifest$ or present$ or finding$ or characteristic$ or criteri$).tw.
20	exp Diagnosis/
21	diagnos$.tw.
22	exp Prognosis/
23	prognos$.tw.
24	(aetiolog$ or etiolog$).tw.
25	5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24
26	4 and 25
27	exp Jordan/
28	jordan$.tw.
29	exp United Arab Emirates/

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30 emirate$.tw.
31 uae.tw.
32 exp Bahrain/
33 bahrain$.tw.
34 exp Tunisia/
35 tunisia$.tw.
36 exp Algeria/
37 algeria$.tw.
38 exp Djibouti/
39 djibouti$.tw.
40 exp Saudi Arabia/
41 (saudi adj1 arabia$).tw.
42 exp Sudan/
43 sudan$.tw.
44 exp Syria/
45 syria$.tw.
46 exp Somalia/
47 somalia$.tw.
48 exp Iraq/
49 iraq$.tw.
50 exp Oman/
51 oman$.tw.
52 palestin$.tw.
53 exp Qatar/
54 qatar$.tw.
55 exp Comoros/
56 comoros$.tw.
57 exp Kuwait/
58 kuwait$.tw.
59 exp Lebanon/
60 leban$.tw.
61 exp Libya/
62 libya$.tw.
63 exp Egypt/
64 egypt$.tw.
65 exp Morocco/
66 morocco$.tw.
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67 exp Mauritania/
68 mauritania$.tw.
69 exp Yemen/
70 yemen$.tw.
71 exp Arabs/
72 (arab$ adj4 (speak$ or countr$ or world)).tw.
73 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72
74 26 and 73
75 limit 74 to "all child (0 to 18 years)"
76 exp Infant, Newborn/
77 exp Infant/
78 exp Child, Preschool/
79 exp Child/
80 exp Adolescent/
81 (baby or babies or infant$ or toddler$ or child$ or adolescen$ or pediatric$ or paediatric$).tw.
82 76 or 77 or 78 or 79 or 80 or 81
83 74 and 82
84 75 or 83

Table S1. Risk of bias (ROB) assessment and quality scores for included studies.

First author, year	Country [1]	Design	Tool	Selection/ Ascertainment	Comparability/ Causality	Outcome/ Exposure/ Reporting
Abas et al., 2017 [1]	Egypt	Cross-sectional	NOS for cross-sectional	★★	★	★★
El-Tallawy et al., 2011 [2]	Egypt	Cross-sectional	NOS for cross-sectional	★★★	★	★★★
El-Tallawy et al., 2014 [3]	Egypt	Case-control	NOS for case-control and cohort	★★★	★★	★★
El-Tallawy et al., 2014 [4]	Egypt	Cross-sectional	NOS for cross-sectional	★★★	★★	★★
Reyad et al., 2017 [5]	Egypt	Cross-sectional	NOS for cross-sectional	★★★	NA	★★
Yasser et al., 2016 [6]	Egypt	Cross-sectional	NOS for cross-sectional	★★★★	NA	★★
Hassan et al, 2009 [7]	Iraq	Case-series	Assessment tool for risk of bias case series	★★	-	★
Kareem et al., 2009 [8]	Iraq	Case-series	Assessment tool for risk of bias case series	★★★	★	★
Khadir et al., 2020 [9]	Iraq	Case-series	Assessment tool for risk of bias case series	★★	-	-

Salman et al., 2019 [10]	Iraq	Case-series	Assessment tool for risk of bias case series	★★	★	★
Al Ajlouni et al., 2006 [11]	Jordan	Case-series	Assessment tool for risk of bias case series	★★	-	★★
Al-Ajlouni et al, 2008 [12]	Jordan	Case-series	Assessment tool for risk of bias case series	★★★	-	★
Almasri et al., 2018 [13]	Jordan	Case-series	Assessment tool for risk of bias case series	★★★	★	★
Almasri et al., 2018 [14]	Jordan	Case-series	Assessment tool for risk of bias case series	★★	★	★
Almasri et al., 2019 [15]	Jordan	Cross-sectional	NOS for cross-sectional	★★	NA	★★★
Janson et al., 1994 [16]	Jordan	Cross-sectional	NOS for cross-sectional	★★★★	★	★
Nafi et al., 2012 [17]	Jordan	Case-series	Assessment tool for risk of bias case series	★★	★	★
Saleh et al., 2013 [18]	Jordan	Case-series	Assessment tool for risk of bias case series	★★	★	★
Khan et al., 1992 [19]	Libya	Case-control	NOS for case-control and cohort	★★	★★	★
Daher et al., 2014 [20]	Palestine	Case-control	NOS for case-control and cohort	★★★★	★	★★★

Abolfotouh et al., 2018 [21]	Saudi Arabia	Cohort	NOS for cohort	★★★★	★	★★★
Al Salloum et al., 2011 [22]	Saudi Arabia	Cross-sectional	NOS for cross-sectional	★★★	-	★★
Al-Asmari et al., 2006 [23]	Saudi Arabia	Case-series	Assessment tool for risk of bias case series	★★★	-	★
Alfrayh et al., 1987 [24]	Saudi Arabia	Case-series	Assessment tool for risk of bias case series	★★★	★	★
Almuneef et al., 2019 [25]	Saudi Arabia	Cross-sectional	NOS for cross-sectional	★★	★	★★
Al-Naquib et al., 1988 [26]	Saudi Arabia	Case-series	Assessment tool for risk of bias case series	★★	★	★
Al-Rajeh et al., 1991 [27]	Saudi Arabia	Case-control	NOS for case-control and cohort	★★	-	★
Al-Sulaiman et al., 2003 [28]	Saudi Arabia	Case-series	Assessment tool for risk of bias case series	★★★	-	★
Izuora et al., 1992 [29]	Saudi Arabia	Case-series	Assessment tool for risk of bias case series	★★	★	★
Taha et al., 1984 [30]	Saudi Arabia	Case-series	Assessment tool for risk of bias case series	★★★	★	★
Abdullahi et al., 2013 [31]	Sudan	Case-control	NOS for case-control and cohort	★★★	★★	★★

Salih et al., 2020 [32]	Sudan	Case-series	Assessment tool for risk of bias case series	★★	★★	★

[1] Ordered alphabetically by country name. NA: not applicable.

Studies were excluded due to unacceptably high risk of bias with additional data regarding their risk of bias and exclusion:

- An overlap between participants in the study (Al-Sulaiman A., 2003) [28] and those reported in the other studies (El Rifai M., 1984 and El Rifai M., 1984) [33,34]. Both include the same study population. The recent study (Al-Sulaiman A., 2003) [28] has been included only.
- The risk factors and motor disabilities in the study (Al-Wazna T., 1997) [35] don't seem to be reported specifically for people with CP, but for the whole group including people with other disabilities.
- Study (Al-Sulaiman A., 1997) [36]: This study lacked a clear definition of some terms and displayed some discrepancies in number totals.
- Studies (El-Tallawy H., 2014 and El Tallawy H., 2013) [4,37] were on the same population and almost the same authors. We only included one study [4] that was mainly discussing CP.
- Study (El Tallawy H., 2010) [38] was on the same population that in study (El-Tallawy H., 2011) [2]. Therefore, we included the recently published one (i.e., El-Tallawy H., 2011) [2].
- Studies (Al Rajeh S., 1993 and Al-Turaiki M., 1994) [39,40] were excluded as they did not meet the inclusion criteria for age.
- Studies (Saleh M., 2017 and Almasri N., 2019) [15,41] both were on the same study population. We only included the most recent one [15].

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