

Obstetrics & Gynecology Science

Yeonsong Jeong, et al. The COVID-19 and adverse pregnancy outcomes

Supplementary Table 1. Search strategy with more detail by different data sources

ID	ID search term	Result
Cochrane		
#1	MeSH descriptor: (COVID-19) explode all trees	2,317
#2	MeSH descriptor: (SARS-CoV-2) explode all trees	1,127
#3	MeSH descriptor: (pregnancy) explode all trees	24,875
#4	MeSH descriptor: (pregnant women) explode all trees	505
#5	(#1 or #2) and (#3 or #4)	30
#6	MeSH descriptor: (pregnancy complications) explode all trees	13,310
#7	MeSH descriptor: (delivery, obstetric) explode all trees	5,769
#8	MeSH descriptor: (infant, low birth weight) explode all trees	2,336
#9	MeSH descriptor: (Apgar score) explode all trees	710
#10	MeSH descriptor: (fetal growth retardation) explode all trees	446
#11	MeSH descriptor: (pregnancy, ectopic) explode all trees	194
#12	MeSH descriptor: (intensive care, neonatal) explode all trees	352
#13	MeSH descriptor: (reproductive techniques) explode all trees	4,333
#14	MeSH descriptor: (infertility) explode all trees	3,711
#15	MeSH descriptor: (neurodevelopmental disorders) explode all trees	8,755
#16	MeSH descriptor: (neurologic manifestations) explode all trees	83,294
#17	([2019 novel coronavirus] or [sars cov 2 infection] or [covid 19 pandemic] or [severe acute respiratory syndrome coronavirus 2] or [2019 nCoV] or [coronavirus disease 19] or [coronavirus disease 2019] or [SARS coronavirus 2] or [coronavirus 2019]): ti, ab, kw (word variations have been searched)	9,019
#18	([Infant or perinatal or fetal or maternal] and [death or compromise or mortality or morbidity]) or ([pregnancy or reproductive or neonatal or maternal] and [outcome ^a]) or ([premature or preterm] and [labor or delivery or birth]) or (fetal and [malpresentation or malposition]) or ([pregnancy or postpartum or antepartum or prepartum] and [bleeding or hemorrhage]) or (placenta ^a and [previa or abrupt ^a]) or ([retain ^a or retention] and placenta ^a) or ([embryo or blastocyst or oocyte] and transfer ^a): ti, ab, kw (word variations have been searched)	73,895
#19	(Apgar or intrauterine growth restriction or cesarean or caesarean or obstructed labor or preeclampsia or miscarriage or fertility or conception or assisted reproduction or assisted reproductive or IVF or ICSI or in vitro fertilization or intracytoplasmic sperm injection or small for gestational age): ti, ab, kw (word variations have been searched)	63,808
#20	([Neurodevelopment ^a or neurologic ^a or development ^a or intellectual or mental] and [disorde ^a or disease ^a or outcome ^a or delay ^a or disabilit or sequelae or retardation or impairment or deficiency]): ti, ab, kw (word variations have been searched)	140,262
#21	#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	324,730
#22	#5 and #21	29
Pubmed		
#1	"COVID-19" (MeSH) or "SARS-CoV-2" (MeSH)	192,183
#2	"2019 novel coronavirus" (tiab) or "sars cov 2 infection" (tiab) or "covid 19 pandemic" (tiab) or "severe acute respiratory syndrome coronavirus 2" (tiab) or "2019-nCoV" (tiab) or "coronavirus disease 19" (tiab) or "coronavirus disease 2019" (tiab) or "SARS coronavirus 2" (tiab) or "coronavirus 2019"	161,005
#3	"Pregnancy" (MeSH) or "pregnant women" (MeSH)	981,756
#4	(#1 or #2) and #3	4,899
#5	"Delivery, obstetric" (MeSH) or "infant, low birth weight" (MeSH) or "Apgar score" (MeSH) or "fetal growth retardation" (MeSH) or "pregnancy, ectopic" (MeSH) or "intensive care, neonatal" (MeSH) or "reproductive techniques" (MeSH) or "infertility, female" (MeSH) or "pregnancy complications" (MeSH)	717,373

Supplementary Table 1. Search strategy with more detail by different data sources (Continued)

ID	ID search term	Result
#6	(Infant [tiab] or perinatal [tiab] or fetal [tiab] or maternal [tiab]) and (death [tiab] or compromise [tiab] or mortality [tiab] or morbidity [tiab] or (pregnancy [tiab] or reproductive [tiab] or neonatal [tiab] or maternal [tiab]) and (outcome ^{a)} [tiab] or (premature [tiab] or preterm [tiab]) and (labor [tiab] or delivery [tiab] or birth [tiab]) or (fetal [tiab] and malpresentation [tiab] or malposition [tiab]) or (pregnancy [tiab] or postpartum [tiab] or antepartum [tiab] or prepartum [tiab]) and (bleeding [tiab] or hemorrhage [tiab]) or (placenta ^{a)} [tiab] and previa [tiab] or abrupt ^{a)} [tiab] or (retain ^{a)} [tiab] or retention [tiab]) and placent ^{a)} [tiab] or (embryo [tiab] or blastocyst [tiab] or oocyte [tiab]) and (transfer ^{a)} [tiab])	338,994
#7	Apgar (tiab) or "intrauterine growth restriction" (tiab) or cesarean (tiab) or cesarean (tiab) or "obstructed labor" (tiab) or preeclampsia (tiab) or pre-eclampsia (tiab) or miscarriage (tiab) or fertility (tiab) or conception (tiab) or "assisted reproduction" (tiab) or "assisted reproductive" (tiab) or Ivf (tiab) or ICSI (tiab) or "in vitro fertilization" (tiab) or "intracytoplasmic sperm injection" (tiab) or "small for gestational age" (tiab)	305,886
#8	"Neurodevelopmental disorders" (MeSH) or "neurologic manifestations" (MeSH)	1,370,183
#9	(Neurodevelopment ^{a)} [tiab] or neurologic ^{a)} [tiab] or development ^{a)} [tiab] or intellectual [tiab] or mental [tiab]) and (disorde ^{a)} [tiab] or disease ^{a)} [tiab] or outcome ^{a)} [tiab] or delay ^{a)} [tiab] or disabilit ^{a)} [tiab] or sequelae [tiab] or retardation [tiab] or impairment [tiab] or deficiency [tiab])	1,455,282
#10	(#5 or #6 or #7 or #8 or #9)	355,256
#11	(#4 and #10)	3,406
#12	(#11 not "review" [publication type] or "review literature as topic" [MeSH terms])	2,891
Embase		
#1	'Coronavirus disease 2019'/exp or 'severe acute respiratory syndrome coronavirus 2'/exp	278,198
#2	'2019 novel coronavirus': ab, ti or 'covid-19': ab, ti or 'sars-cov-2': ab, ti or '2019-ncov': ab, ti or 'coronavirus disease 19': ab, ti or 'sars coronavirus 2': ab, ti or 'coronavirus 2019': ab, ti	304,425
#3	'Pregnancy'/exp or 'pregnant woman'/exp	898,993
#4	(#1 or #2) and #3	7,699
#5	'Abortion'/exp or 'placenta disorder'/exp or 'chorioamnionitis'/exp or 'pregnancy complication'/exp or 'labor complication'/exp or 'ectopic pregnancy'/exp or 'fetus disease'/exp or 'high risk pregnancy'/exp or 'obstetric emergency'/exp or 'prolonged pregnancy'/exp or 'postpartum hemorrhage'/exp or 'uterine atony'/exp or 'maternal morbidity'/exp or 'uterus contraction'/exp or 'uterine cervix ripening'/exp or 'low birth weight'/exp or 'prematurity'/exp or 'premature labor'/exp or 'immaturity'/exp or 'infertility therapy'/exp or 'intrauterine growth retardation'/exp or 'infertility'/exp or 'newborn intensive care'/exp	845,439
#6	('Infant': ab, ti or 'perinatal': ab, ti or 'fetal': ab, ti or 'maternal': ab, ti) and ('death': ab, ti or 'compromise': ab, ti or 'mortality': ab, ti or 'morbidity': ab, ti) or (('pregnancy': ab, ti or 'reproductive': ab, ti or 'neonatal': ab, ti or 'maternal': ab, ti) and 'outcome ^{a)} : ab, ti) or (('premature': ab, ti or 'preterm': ab, ti) and ('labor': ab, ti or 'delivery': ab, ti or 'birth': ab, ti) or ('fetal': ab, ti and ['malpresentation': ab, ti or 'malposition': ab, ti]) or (('pregnancy': ab, ti or 'postpartum': ab, ti or 'antepartum': ab, ti or 'prepartum': ab, ti) and ['bleeding': ab, ti or 'hemorrhage': ab, ti]) or ('placenta ^{a)} : ab, ti and ['previa': ab, ti or 'abrupt ^{a)} : ab, ti]) or ('retain ^{a)} : ab, ti or 'retention': ab, ti and 'placent ^{a)} : ab, ti) or (('embryo': ab, ti or 'blastocyst': ab, ti or 'oocyte': ab, ti) and 'transfer ^{a)} : ab, ti)	463,451
#7	'Apgar': ab, ti or 'cesarean': ab, ti or 'cesarean': ab, ti or 'obstructed labor': ab, ti or 'preeclampsia': ab, ti or 'pre-eclampsia': ab, ti or 'miscarriage': ab, ti or 'fertility': ab, ti or 'conception': ab, ti or 'assisted reproduction': ab, ti or 'assisted reproductive': ab, ti or 'ivf': ab, ti or 'icsi': ab, ti or 'in vitro fertilization': ab, ti or 'intracytoplasmic sperm injection': ab, ti or 'iugr': ab, ti or 'small for gestational age': ab, ti	412,757
#8	'Mental disease'/exp or 'neurologic disease'/exp	6,146,416
#9	('Neurodevelopment ^{a)} : ab, ti or 'neurologic ^{a)} : ab, ti or 'development ^{a)} : ab, ti or 'intellectual': ab, ti or 'mental': ab, ti) and ('disorde ^{a)} : ab, ti or 'disease ^{a)} : ab, ti or 'outcome ^{a)} : ab, ti or 'delay ^{a)} : ab, ti or 'disabilit ^{a)} : ab, ti or sequelae: ab, ti or retardation: ab, ti or impairment: ab, ti or deficiency': ab, ti)	1,835,078
#10	#5 or #6 or #7 or #8 or #9	8,128,313
#11	#4 and #10	4,876

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Supplementary Table 1. Search strategy with more detail by different data sources (Continued)

ID	ID search term	Result
#12	#11 not 'review'/it	4,246

ID, identification; MeSH, Medical Subject Headings; COVID-19, coronavirus disease 2019; SARS-CoV-2, severe acute respiratory syndrome coronavirus-2; nCoV, novel coronavirus; ti, title; ab, abstract; kw, keyword; ivf, in-vitro fertilization; ICSI, intracytoplasmic injection; exp, explode.

^{a)}A truncation, at the root of a word to find multiple endings.