

Twin and Triplet Pregnancy

Combined literature search strategies

NICE guideline tbc

Literature search strategies

January 2019

Early submission

*These evidence reviews were developed
by the National Guideline Alliance hosted
by the Royal College of Obstetricians and
Gynaecologists*

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Clinical literature search strategies

A. Ultrasound screening for feto-fetal transfusion syndrome (FFTS)

Review question: What is the optimal screening programme to identify feto-fetal transfusion syndrome (FFTS) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 6 September 2018

#	Searches
1	Fetofetal Transfusion/ use ppez
2	newborn anemia/ use emez
3	((fetofetal or foetofetal) adj2 transfusion syndrome).tw.
4	((feto fetal or foeto foetal) adj2 transfusion syndrome).tw.
5	(twin adj2 twin adj transfusion syndrome).tw.
6	twin-to-twin transfusion syndrome.tw.
7	intertwin transfusion syndrome.tw.
8	inter twin transfusion syndrome.tw.
9	(ttts or ffts).tw.
10	or/1-9
11	limit 10 to (english language and yr="2010 -Current")
12	Letter/ use ppez
13	letter.pt. or letter/ use emez
14	note.pt.
15	editorial.pt.
16	Editorial/ use ppez
17	News/ use ppez
18	exp Historical Article/ use ppez
19	Anecdotes as Topic/ use ppez
20	Comment/ use ppez
21	Case Report/ use ppez
22	case report/ or case study/ use emez
23	(letter or comment*).ti.
24	or/12-23
25	randomized controlled trial/ use ppez
26	randomized controlled trial/ use emez
27	random*.ti,ab.
28	or/25-27
29	24 not 28
30	animals/ not humans/ use ppez
31	animal/ not human/ use emez
32	nonhuman/ use emez
33	exp Animals, Laboratory/ use ppez
34	exp Animal Experimentation/ use ppez
35	exp Animal Experiment/ use emez
36	exp Experimental Animal/ use emez
37	exp Models, Animal/ use ppez
38	animal model/ use emez
39	exp Rodentia/ use ppez
40	exp Rodent/ use emez
41	(rat or rats or mouse or mice).ti.
42	or/29-41

EARLY SUBMISSION

#	Searches
43	11 not 42
44	remove duplicates from 43

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Fetofetal Transfusion] this term only
#2	((fetofetal or foetofoetal) near/2 transfusion syndrome)
#3	((feto fetal or foeto foetal) near/2 transfusion syndrome)
#4	(twin near/2 twin next transfusion syndrome)
#5	twin-to-twin transfusion syndrome
#6	intertwin transfusion syndrome
#7	inter twin transfusion syndrome
#8	(ttts or ffts)
#9	{or #1-#8} Publication Year from 2010 to 2018

B. The optimal screening programme to detect intrauterine growth restriction (IUGR) in twin and triplet pregnancy

Review question: What is the optimal screening programme to detect intrauterine growth restriction (IUGR) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present.

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic* or dichorionic* or trichorionic*).tw.
5	or/1-4
6	exp Medical Records/ use ppez
7	medical record/ use emez
8	exp Medical History Taking/ use ppez
9	exp anamnesis/ use emez
10	((medical or patient) adj2 (history or record*)).tw.
11	exp Palpation/ use ppez
12	palpation/ use emez
13	Crown-Rump Length/ use ppez
14	crown rump length/ use emez
15	(palpation adj3 abdom*).tw.
16	((crown rump or crown-rump) adj3 (length* or measur* or height* or estimat* or screen* or discord*)).tw.
17	(fundal height adj3 measur*).tw.
18	(symphysio?fundal adj3 measur*).tw.
19	(symphysio fundal adj3 measur*).tw.
20	((maternal or mother*) adj2 serum screening).tw.

EARLY SUBMISSION

#	Searches
21	exp Chorionic Gonadotropin/bl, di use ppez
22	chorionic gonadotropin/ use emez
23	(HCG or human chorionic gonadotropin).tw.
24	exp Fetal Proteins/ use ppez
25	fetoprotein/ use emez
26	alpha fetoprotein*.tw.
27	alpha feto protein*.tw.
28	AFP.tw.
29	Pregnancy-Associated Plasma Protein-A/ use ppez
30	pregnancy associated plasma protein A/ use emez
31	"PAPP A".tw.
32	PAPP alpha.tw.
33	((blood or alpha) adj2 (protein* or glycoprotein* or globulin* or macroglobulin*)).tw.
34	exp Inhibins/ use ppez
35	inhibin/ use emez
36	inhibin*.tw.
37	exp Estradiol/ use ppez
38	estradiol/ use emez
39	(estradiol or oestradiol).tw.
40	exp ultrasonography, doppler/ use ppez or exp ultrasonography, prenatal/ use ppez or exp ultrasonography/ use ppez
41	exp echograpy/ use emez or exp fetus echography/ use emez or doppler echography/ use emez
42	Nuchal Translucency Measurement/ use ppez
43	nuchal translucency measurement/ use emez
44	((antenatal* or prenatal* or fetal or foetal or fetus* or foetus*) adj3 (diagnos* or screen* or ultrason*)).tw.
45	((fetal or foetal or fetus* or foetus*) adj3 biomet*).tw.
46	(doppler adj3 ultraso*).tw.
47	(uterine artery adj3 doppler).tw.
48	(umbilical adj3 doppler).tw.
49	(middle cerebral artery adj3 doppler).tw.
50	(MCA adj3 doppler).tw.
51	(ductus venosus adj3 doppler).tw.
52	(descending aorta adj3 doppler).tw.
53	(inferior vena cava adj3 doppler).tw.
54	(IVC adj3 doppler).tw.
55	(nuchal adj3 (measur* or scan* or screen* or translucen* or test*)).tw.
56	Fetal Weight/ use ppez
57	fetus weight/ use emez
58	estimat* fetal weight.tw.
59	estimat* foetal weight.tw.
60	Amniotic Fluid/ use ppez
61	exp amnion fluid/ use emez
62	(amniotic fluid adj3 volume).tw.
63	or/6-62
64	Fetal Growth Retardation/bl, di, dg use ppez
65	exp intrauterine growth retardation/di use emez
66	(grow* adj3 (restrict* or retard* or discord*)).tw.
67	exp Infant, Low Birth Weight/bl, gd use ppez
68	exp low birth weight/di use emez
69	(intrauterine growth restrict* or intra-uterine growth restrict*).tw.
70	(small adj3 (gestation* or age)).tw.
71	IUGR.tw.
72	SGA.tw.
73	or/64-72
74	5 and (63 or 73)
75	limit 74 to (english language and yr="2010 -Current")
76	Letter/ use ppez
77	letter.pt. or letter/ use emez
78	note.pt.
79	editorial.pt.
80	Editorial/ use ppez
81	News/ use ppez
82	exp Historical Article/ use ppez
83	Anecdotes as Topic/ use ppez
84	Comment/ use ppez

EARLY SUBMISSION

#	Searches
85	Case Report/ use ppez
86	case report/ or case study/ use emez
87	(letter or comment*).ti.
88	or/76-87
89	randomized controlled trial/ use ppez
90	randomized controlled trial/ use emez
91	random*.ti,ab.
92	or/89-91
93	88 not 92
94	animals/ not humans/ use ppez
95	animal/ not human/ use emez
96	nonhuman/ use emez
97	exp Animals, Laboratory/ use ppez
98	exp Animal Experimentation/ use ppez
99	exp Animal Experiment/ use emez
100	exp Experimental Animal/ use emez
101	exp Models, Animal/ use ppez
102	animal model/ use emez
103	exp Rodentia/ use ppez
104	exp Rodent/ use emez
105	(rat or rats or mouse or mice).ti.
106	or/93-105
107	75 not 106

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Fetal Development] this term only
#6	MeSH descriptor: [Fetus] explode all trees and with qualifier(s): [Abnormalities - AB, Blood supply - BS, Diagnostic imaging - DG]
#7	MeSH descriptor: [Infant, Low Birth Weight] explode all trees and with qualifier(s): [Blood - BL, Growth & development - GD]
#8	(grow* near/3 (restrict* or retard* or discord*))
#9	intrauterine growth restrict* or intra-uterine growth restrict*
#10	(small near/3 (gestation* or age))
#11	(IUGR or SGA)
#12	{or #5-#11}
#13	#4 and #12 Publication Year from 2010 to 2018

C. Ultrasound screening for Twin Anaemia Polycythaemia Sequences (TAPS)

Review question: What is the optimal screening programme to detect twin anaemia polycythaemia sequences (TAPS) in twin and triplet pregnancy?

EARLY SUBMISSION

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present.

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic* or dichorionic* or trichorionic*).tw.
5	Diseases in Twins/ use ppez
6	exp twins/ use emczd
7	or/1-6
8	Polycythemia/ use ppez
9	(Anemia/ and Placenta/) use ppez
10	polycythemia/ use emczd
11	(anemia/ and placenta/) use emczd
12	twin anemia polycythemia sequence/ use emczd
13	TAPS.tw.
14	or/8-13
15	7 and 14
16	twin* an?emi* polycyth?emi* sequence*.tw.
17	twin* an?emia*.tw.
18	15 or 16 or 17
19	Letter/ use ppez
20	letter.pt. or letter/ use emczd
21	note.pt.
22	editorial.pt.
23	Editorial/ use ppez
24	News/ use ppez
25	exp Historical Article/ use ppez
26	Anecdotes as Topic/ use ppez
27	Comment/ use ppez
28	Case Report/ use ppez
29	case report/ or case study/ use emczd
30	(letter or comment*).ti.
31	or/19-30
32	randomized controlled trial/ use ppez
33	randomized controlled trial/ use emczd
34	random*.ti,ab.
35	or/32-34
36	31 not 35
37	animals/ not humans/ use ppez
38	animal/ not human/ use emczd
39	nonhuman/ use emczd
40	exp Animals, Laboratory/ use ppez
41	exp Animal Experimentation/ use ppez
42	exp Animal Experiment/ use emczd
43	exp Experimental Animal/ use emczd
44	exp Models, Animal/ use ppez
45	animal model/ use emczd
46	exp Rodentia/ use ppez
47	exp Rodent/ use emczd
48	(rat or rats or mouse or mice).ti.
49	or/36-48
50	18 not 49
51	limit 50 to english language
52	remove duplicates from 51

EARLY SUBMISSION

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or fetus or foetal or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	MeSH descriptor: [Diseases in Twins] this term only
#5	MeSH descriptor: [Twins] explode all trees
#6	{or #1-#5}
#7	MeSH descriptor: [Polycythemia] this term only
#8	MeSH descriptor: [Anemia] this term only
#9	MeSH descriptor: [Placenta] this term only
#10	#8 and #9
#11	#7 or #10
#12	#6 and #11
#13	(twin* anemia* polycythemia* sequence*)
#14	(twin* anaemia* polycythaemia* sequence*)
#15	(twin* anemia* or twin* anaemia*)
#16	{or #12-#15}

D. Ultrasound screening for prediction of the risk of spontaneous preterm birth

Review question: What is the optimal screening programme to predict the risk of spontaneous preterm birth in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic* or dichorionic* or trichorionic*).tw.
5	or/1-4
6	Cervical Length Measurement/ use ppez
7	cervical length measurement/ use emez
8	6 or 7
9	Cervix Uteri/ use ppez
10	uterine cervix/ use emez
11	9 or 10
12	Ultrasonography, Prenatal/ use ppez
13	exp fetus echography/ use emez
14	Ultrasonography/ use ppez
15	Echography/ use emez
16	(ultraso* or sonogra* or echogra* or doppler*).tw.
17	or/12-16
18	11 and 17
19	Cervix Uteri/dg use ppez

EARLY SUBMISSION

#	Searches
20	uterine cervix/di use emez
21	((cervical or cervix or uterocervi*) adj2 (length or measur*)) or clm).tw.
22	Fibronectins/ use ppez
23	Fibronectin/ use emez
24	((foetal or fetal or foetus* or fetus*) adj2 fibronectin*).tw.
25	(fibronectin* adj5 (test* or analy* or monitor* or screen* or assay* or evaluat*)).tw.
26	Uterine Monitoring/ use ppez
27	fetus monitoring/ use emez
28	uterine activity monitoring/ use emez
29	((uterine or uterus) adj5 (activity adj5 monitor*)).tw.
30	exp Obstetric Labor, Premature/ use ppez
31	premature labor/ use emez
32	((history or previous or prior) adj3 (obstetric* or prematur* or preterm or pre?term or miscarri* or stillbirth* or stillborn*)).tw.
33	((history or previous or prior) adj2 ((cervix or cervical) adj2 (surgery or surgical))).tw.
34	Prenatal Care/ use ppez
35	prenatal care/ use emez
36	((additional or extra or increas* or number or frequency or more or schedule* or routine) adj5 ((visit* or care or contact*) adj2 (antenatal or prenatal))).tw.
37	or/8,18-36
38	5 and 37
39	limit 38 to (english language and yr="2010 -Current")
40	Letter/ use ppez
41	letter.pt. or letter/ use emez
42	note.pt.
43	editorial.pt.
44	Editorial/ use ppez
45	News/ use ppez
46	exp Historical Article/ use ppez
47	Anecdotes as Topic/ use ppez
48	Comment/ use ppez
49	Case Report/ use ppez
50	case report/ or case study/ use emez
51	(letter or comment*).ti.
52	or/40-51
53	randomized controlled trial/ use ppez
54	randomized controlled trial/ use emez
55	random*.ti,ab.
56	or/53-55
57	52 not 56
58	animals/ not humans/ use ppez
59	animal/ not human/ use emez
60	nonhuman/ use emez
61	exp Animals, Laboratory/ use ppez
62	exp Animal Experimentation/ use ppez
63	exp Animal Experiment/ use emez
64	exp Experimental Animal/ use emez
65	exp Models, Animal/ use ppez
66	animal model/ use emez
67	exp Rodentia/ use ppez
68	exp Rodent/ use emez
69	(rat or rats or mouse or mice).ti.
70	or/57-69
71	39 not 70
72	remove duplicates from 71

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 6 September 2018

EARLY SUBMISSION

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	MeSH descriptor: [Cervical Length Measurement] this term only
#6	MeSH descriptor: [Cervix Uteri] this term only
#7	MeSH descriptor: [Ultrasonography, Prenatal] explode all trees
#8	MeSH descriptor: [Ultrasonography] this term only
#9	(ultraso* or sonogra* or echogra* or doppler*)
#10	{or #7-#9}
#11	#6 and #10
#12	MeSH descriptor: [Cervix Uteri] this term only and with qualifier(s): [Diagnostic imaging - DG]
#13	((cervical or cervix or uterocervi*) near/2 (length or measur*)) or clm)
#14	MeSH descriptor: [Fibronectins] this term only
#15	((foetal or fetal or foetus* or fetus*) near/2 fibronectin*)
#16	(fibronectin* near/5 (test* or analy* or monitor* or screen* or assay* or evaluat*))
#17	MeSH descriptor: [Uterine Monitoring] this term only
#18	((uterine or uterus) near/5 (activity near/5 monitor*))
#19	MeSH descriptor: [Obstetric Labor, Premature] explode all trees
#20	((history or previous or prior) near/3 (obstetric* or prematur* or preterm or pre-term or miscarri* or stillbirth* or stillborn*))
#21	((history or previous or prior) near/2 ((cervix or cervical) near/2 (surgery or surgical)))
#22	MeSH descriptor: [Prenatal Care] this term only
#23	((additional or extra or increas* or number or frequency or more or schedule* or routine) near/5 ((visit* or care or contact*) near/2 (antenatal or prenatal)))
#24	{or #5, #11-#23}
#25	#4 and #24 Publication Year from 2010 to 2018

E. Interventions to prevent spontaneous preterm birth in twins and triplets

Review question: What interventions are effective in preventing spontaneous preterm birth in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on: Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or dichorionic or monochorionic or trichorionic).tw.
5	or/1-4
6	bed rest/
7	(bed adj2 rest).tw.
8	progesterone/
9	gestagen/ use emez
10	(gestagen* or progesterone or progestagen* or progestin*).tw.
11	uterine cervix cerclage/ use emez or cerclage, cervical/ use ppez
12	((cervical or cervix) adj2 (cerclage or stitch*)).tw.
13	uterus spasmolytic agent/ use emez
14	tocolysis/ or tocolytic agents/ use ppez

EARLY SUBMISSION

#	Searches
15	(tocolysis or tocolytic*).tw.
16	exp beta adrenergic receptor stimulating agent/ use emez or exp adrenergic beta-agonists/ use ppez
17	(beta* adrenergic receptor agonist* or beta* adrenergic agonist* or beta* receptor agonist* or beta* agonist* or betamimetic* or beta mimetic*).tw.
18	ritodrine/
19	ritodrine.tw.
20	magnesium sulfate/
21	(magnesium adj (sulfate or sulphate)).tw.
22	nifedipine/
23	nifedipine.tw.
24	sexual abstinence/
25	(sex* adj2 (abstin* or abstain*)).tw.
26	pessary/ use ppez
27	vaginal pessary/ use emez
28	((cervical or cervix) adj2 pessar*).tw.
29	or/6-28
30	5 and 29
31	limit 30 to (english language and yr="2010-Current")
32	Letter/ use ppez
33	letter.pt. or letter/ use emez
34	note.pt.
35	editorial.pt.
36	Editorial/ use ppez
37	News/ use ppez
38	exp Historical Article/ use ppez
39	Anecdotes as Topic/ use ppez
40	Comment/ use ppez
41	Case Report/ use ppez
42	case report/ or case study/ use emez
43	(letter or comment*).ti.
44	or/32-43
45	randomized controlled trial/ use ppez
46	randomized controlled trial/ use emez
47	random*.ti,ab.
48	or/45-47
49	44 not 48
50	animals/ not humans/ use ppez
51	animal/ not human/ use emez
52	nonhuman/ use emez
53	exp Animals, Laboratory/ use ppez
54	exp Animal Experimentation/ use ppez
55	exp Animal Experiment/ use emez
56	exp Experimental Animal/ use emez
57	exp Models, Animal/ use ppez
58	animal model/ use emez
59	exp Rodentia/ use ppez
60	exp Rodent/ use emez
61	(rat or rats or mouse or mice).ti.
62	or/49-61
63	31 not 62
64	remove duplicates from 63

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September, 2018

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal)) .tw.

EARLY SUBMISSION

ID	Search
#3	(chorionicity or monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	MeSH descriptor: [Bed Rest] this term only
#6	(bed near/2 rest) .tw
#7	MeSH descriptor: [Progesterone] this term only
#8	MeSH descriptor: [Progestins] this term only
#9	(gestagen* or progesterone or progestagen* or progestin*) .tw.
#10	MeSH descriptor: [Cerclage, Cervical] this term only
#11	((cervical or cervix) adj2 (cerclage or stitch*)) .tw.
#12	MeSH descriptor: [Tocolysis] this term only
#13	MeSH descriptor: [Tocolytic Agents] this term only
#14	(tocolysis or tocolytic*) .tw.
#15	MeSH descriptor: [Adrenergic beta-Agonists] explode all trees
#16	(beta* adrenergic receptor agonist* or beta* adrenergic agonist* or beta* receptor agonist* or beta* agonist* or betamimetic* or beta mimetic*) .tw.
#17	MeSH descriptor: [Ritodrine] this term only
#18	ritodrine.tw
#19	MeSH descriptor: [Magnesium Sulfate] this term only
#20	(magnesium adj (sulfate or sulphate)) .tw.
#21	MeSH descriptor: [Nifedipine] this term only
#22	nifedipine.tw
#23	MeSH descriptor: [Sexual Abstinence] this term only
#24	(sex* adj2 (abstin* or abstain*)) .tw.
#25	MeSH descriptor: [Pessaries] this term only
#26	((cervical or cervix) adj2 pessar*) .tw.
#27	{or #5-#26}
#28	#4 and #27 Publication Year from 2010 to 2018

F. Mode of birth

Review question: What is the optimal mode of birth to improve outcomes for mothers and babies in twin and triplet pregnancy?

Database: Embase, MIDIRS & Medline (Multifile)

Last searched on Embase Classic+Embase 1947 to 2018 September 11, Maternity & Infant Care Database (MIDIRS) 1971 to August 2018 Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	(pregnancy - multiple or twin* or triplet*).hw. use mwic
4	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
5	(chorionicity or monochorionic or dichorionic or trichorionic).tw.
6	or/1-5
7	exp obstetric delivery/
8	exp obstetric operation/
9	exp childbirth/
10	birth/
11	or/7-10 use emczd
12	exp Delivery, Obstetric/
13	exp Parturition/
14	exp Labor, Obstetric/
15	or/12-14 use ppez
16	childbirth.hw.

EARLY SUBMISSION

#	Searches
17	c?esarean section.hw.
18	forceps.hw.
19	labo?r.hw.
20	mode of delivery.hw.
21	obstetric delivery.hw.
22	vacuum extraction.hw.
23	vaginal birth.hw.
24	or/16-23 use mwic
25	(mode of delivery or method of delivery or childbirth* or obstetric deliver* or c?esar* or c-section* or elective birth* or planned birth* or planned deliver* or vagina* birth* or vagina* deliver* or normal birth* or normal deliver* or natural birth* natural deliver* or VBAC or assisted birth* or assisted deliver* or forceps or vacuum or ventouse).tw.
26	or/11,15,24-25
27	6 and 26
28	limit 27 to english language [Limit not valid in MWIC; records were retained]
29	Letter/ use ppez
30	letter.pt. or letter/ use emczd
31	note.pt.
32	editorial.pt.
33	Editorial/ use ppez
34	News/ use ppez
35	exp Historical Article/ use ppez
36	Anecdotes as Topic/ use ppez
37	Comment/ use ppez
38	Case Report/ use ppez
39	case report/ or case study/ use emczd
40	(letter or comment*).ti.
41	or/29-40
42	randomized controlled trial/ use ppez
43	randomized controlled trial/ use emczd
44	randomised controlled trials.hw. use mwic
45	random*.ti,ab.
46	or/42-45
47	41 not 46
48	animals/ not humans/ use ppez
49	animal/ not human/ use emczd
50	(animals not (human or humans)).hw. use mwic
51	nonhuman/ use emczd
52	exp Animals, Laboratory/ use ppez
53	exp Animal Experimentation/ use ppez
54	exp Animal Experiment/ use emczd
55	exp Experimental Animal/ use emczd
56	exp Models, Animal/ use ppez
57	animal model/ use emczd
58	exp Rodentia/ use ppez
59	exp Rodent/ use emczd
60	(rat or rats or mouse or mice).ti.
61	or/47-60
62	28 not 61
63	Meta-Analysis/
64	Meta-Analysis as Topic/
65	systematic review/
66	meta-analysis/
67	(meta analy* or metanaly* or metaanaly*).ti,ab.
68	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
69	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
70	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
71	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
72	(search* adj4 literature).ab.
73	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
74	cochrane.jw.
75	((pool* or combined) adj2 (data or trials or studies or results)).ab.
76	(meta-analysis or systematic reivews).hw.
77	or/67-76 use mwic
78	or/63-64,67,69-74 use ppez

EARLY SUBMISSION

#	Searches
79	or/65-68,70-75 use emczd
80	or/77-79
81	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
82	81 use ppez
83	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
84	83 use ppez
85	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti.ab.
86	85 use emczd
87	(clinical trials or controlled clinical trials or crossover studies or randomised controlled trials).hw. use mwic
88	82 or 84
89	or/86-88
90	Epidemiologic Studies/
91	Case Control Studies/
92	Retrospective Studies/
93	Cohort Studies/
94	Longitudinal Studies/
95	Follow-Up Studies/
96	Prospective Studies/
97	Cross-Sectional Studies/
98	or/90-97 use ppez
99	clinical study/
100	case control study/
101	family study/
102	longitudinal study/
103	retrospective study/
104	prospective study/
105	cohort analysis/
106	or/99-105 use emczd
107	(epidemiologic methods or cohort studies or observational studies or longitudinal studies or prospective study or prospective studies or cross-sectional studies or case control studies or comparative study or retrospective studies).hw. use mwic
108	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
109	or/98,106-108
110	80 or 89 or 109
111	62 and 110
112	remove duplicates from 111

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) N3 (birth* or pregnan* or gestation* or foetus* or fetus or foetal or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Delivery, Obstetric] explode all trees
#6	MeSH descriptor: [Parturition] explode all trees
#7	MeSH descriptor: [Labor, Obstetric] explode all trees
#8	(mode of delivery or method of delivery or childbirth* or obstetric deliver* or caesar* or cesar* or c-section* or elective birth* or planned birth* or planned deliver* or vagina* birth* or vagina* deliver* or normal birth* or normal deliver* or natural birth* natural deliver* or VBAC or assisted birth* or assisted deliver* or forceps or vacuum or ventouse)
#9	{or #5-#8}
#10	#4 and #9

G. Foetal monitoring during labour

Review question: What is the most effective method of foetal monitoring during labour in improving outcomes for babies and mothers?

Database: Embase & Medline (Multifile)

Last searched on Embase Classic+Embase 1947 to 2018 September 11, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or monozygotic or dizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic or dichorionic).tw.
5	or/1-4
6	exp fetus monitoring/
7	echocardiography/
8	electrocardiography/ or fetus electrocardiography/
9	Doppler ultrasonography/
10	Doppler echocardiography/
11	Doppler flowmetry/
12	fetus distress/di
13	fetus heart rate/
14	fetus heart/
15	auscultation/ or heart auscultation/
16	obstetric ultrasound transducer/
17	uterine activity monitoring/
18	scalp/ and electrode/
19	(or/6-18) use emczd
20	exp Fetal Monitoring/
21	Echocardiography/
22	Electrocardiography/
23	Cardiotocography/
24	Ultrasonography, Doppler/
25	Fetal Distress/di
26	Heart Rate, Fetal/
27	Fetal Heart/dg
28	Auscultation/ or Heart Auscultation/
29	*Transducers/
30	Uterine Monitoring/
31	Scalp/ and Electrodes/
32	(or/20-31) use ppez
33	19 or 32
34	((f?etal* or f?etu*) adj3 (monitor* or assess* or sampl* or analy* or heart* or distress* or lactat* or electro* or evaluat* or auscultat* or cardiotocogra* or echocardiogra* or electrocardiogra* or fetoscop* or foetoscop* or CTG or EFM or ECG* or EKG or FHR or doppler* or flowmet* or ultraso* or sonogra*)).tw.
35	(scalp* adj3 electrode*).tw.
36	auscultat*.tw.
37	or/33-36
38	5 and 37
39	limit 38 to english language
40	Letter/ use ppez
41	letter.pt. or letter/ use emczd
42	note.pt.
43	editorial.pt.
44	Editorial/ use ppez

EARLY SUBMISSION

#	Searches
45	News/ use ppez
46	exp Historical Article/ use ppez
47	Anecdotes as Topic/ use ppez
48	Comment/ use ppez
49	Case Report/ use ppez
50	case report/ or case study/ use emczd
51	(letter or comment*).ti.
52	or/40-51
53	randomized controlled trial/ use ppez
54	randomized controlled trial/ use emczd
55	random*.ti,ab.
56	or/53-55
57	52 not 56
58	animals/ not humans/ use ppez
59	animal/ not human/ use emczd
60	nonhuman / use emczd
61	exp Animals, Laboratory/ use ppez
62	exp Animal Experimentation/ use ppez
63	exp Animal Experiment/ use emczd
64	exp Experimental Animal/ use emczd
65	exp Models, Animal/ use ppez
66	animal model/ use emczd
67	exp Rodentia/ use ppez
68	exp Rodent/ use emczd
69	(rat or rats or mouse or mice).ti.
70	or/57-69
71	39 not 70
72	remove duplicates from 71

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or monozygotic or dizygotic) near/3 (birth* or pregnan* or gestation* or foetus* fetus or foetal or fetal))
#3	(chorionicity or monochorionic or dichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Fetal Monitoring] explode all trees
#6	MeSH descriptor: [Echocardiography] this term only
#7	MeSH descriptor: [Electrocardiography] this term only
#8	MeSH descriptor: [Cardiotocography] this term only
#9	MeSH descriptor: [Ultrasonography, Doppler] explode all trees
#10	MeSH descriptor: [Fetal Distress] this term only and with qualifier(s): [Diagnosis - DI, Diagnostic imaging - DG]
#11	MeSH descriptor: [Heart Rate, Fetal] this term only
#12	MeSH descriptor: [Fetal Heart] explode all trees and with qualifier(s): [Diagnostic imaging - DG]
#13	MeSH descriptor: [Auscultation] explode all trees
#14	MeSH descriptor: [Transducers] this term only
#15	MeSH descriptor: [Uterine Monitoring] this term only
#16	MeSH descriptor: [Scalp] this term only
#17	MeSH descriptor: [Electrodes] this term only
#18	#16 and #17
#19	{or #5-#15}
#20	#18 or #19
#21	((foetal* or fetal or foetu* or fetu*) near/3 (monitor* or assess* or sampl* or analy* or heart* or distress* or lactat* or electro* or evaluat* or auscultat* or cardiotocogra* or echocardiogra* or electrocardiogra* or fetoscop* or foetoscop* or CTG or EFM or ECG* or EKG or FHR or doppler* or flowmet* or ultraso* or sonogra*))
#22	(scalp* near/3 electrode*)
#23	{or #20-#22}

EARLY SUBMISSION

ID	Search
#24	#4 and #23

H. Intrapartum care: analgesia and anaesthesia

Review question: What is the optimal method of analgesia and anaesthesia during labour and birth in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on: Embase Classic+Embase 1947 to 2018 September 11, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present.

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic or dichorionic or trichorionic).tw.
5	or/1-4
6	Labor Pain/
7	exp Delivery, Obstetric/ or exp Labor, Obstetric/ or exp Parturition/
8	or/6-7 use ppez
9	labor pain/
10	exp obstetric delivery/ or exp labor/ or birth/
11	or/9-10 use emczd
12	(deliver* or childbirth or birth* or labo?* or c?esar* or c-section* or VBAC or forceps or vacuum or ventouse).tw.
13	8 or 11 or 12
14	Pain/pc
15	exp Analgesia/
16	Anesthesia, Obstetrical/
17	exp Anesthesia, Epidural/
18	Analgesics, Opioid/
19	Nitrous Oxide/
20	Bupivacaine/
21	Meperidine/
22	Morphine/
23	Heroin/
24	Transcutaneous Electric Nerve Stimulation/
25	Baths/
26	Water/
27	Immersion/
28	exp Hypnosis/
29	or/14-28 use ppez
30	exp analgesia/
31	anesthesia/
32	anesthetic agent/
33	obstetric anesthesia/
34	epidural anesthesia/
35	narcotic analgesic agent/
36	nitrous oxide/
37	bupivacaine/
38	pethidine/
39	morphine/
40	diamorphine/
41	transcutaneous electrical nerve stimulation/
42	water immersion labor pool/
43	water birth/

EARLY SUBMISSION

#	Searches
44	hypnosis/
45	or/30-44 use emczd
46	(analges* or anaesthe* or anesthe* or pain control* or pain relief or pain relieving or epidural* or spinal or "gas and air" or nitrous oxide or entonox or bupivacain* or meperidin* or morphine or diamorphine or pethidin* or remifentanil).tw.
47	(TENS or electroanalgesi* or ((transcutaneous or cutaneous or percutaneous or transdermal or electric nerve) adj2 stimulation)).tw.
48	(hypnobirth* or hypno-birth* or (hypnoti* adj birth*) or hypnotherap*).tw.
49	(birthing pool* or (birth* adj pool*) or (water adj birth*)).tw.
50	or/46-49
51	29 or 45 or 50
52	5 and 13 and 51
53	limit 52 to english language
54	Letter/ use ppez
55	letter.pt. or letter/ use emczd
56	note.pt.
57	editorial.pt.
58	Editorial/ use ppez
59	News/ use ppez
60	exp Historical Article/ use ppez
61	Anecdotes as Topic/ use ppez
62	Comment/ use ppez
63	Case Report/ use ppez
64	case report/ or case study/ use emczd
65	(letter or comment*).ti.
66	or/54-65
67	randomized controlled trial/ use ppez
68	randomized controlled trial/ use emczd
69	random*.ti,ab.
70	or/67-69
71	66 not 70
72	animals/ not humans/ use ppez
73	animal/ not human/ use emczd
74	nonhuman/ use emczd
75	exp Animals, Laboratory/ use ppez
76	exp Animal Experimentation/ use ppez
77	exp Animal Experiment/ use emczd
78	exp Experimental Animal/ use emczd
79	exp Models, Animal/ use ppez
80	animal model/ use emczd
81	exp Rodentia/ use ppez
82	exp Rodent/ use emczd
83	(rat or rats or mouse or mice).ti.
84	or/71-83
85	53 not 84
86	remove duplicates from 85

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, 9 of 12, September 2018

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or fetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Labor Pain] this term only
#6	MeSH descriptor: [Delivery, Obstetric] explode all trees
#7	MeSH descriptor: [Labor, Obstetric] explode all trees

EARLY SUBMISSION

ID	Search
#8	MeSH descriptor: [Parturition] explode all trees
#9	{or #5-#8}
#10	MeSH descriptor: [Pain] this term only and with qualifier(s): [Prevention & control - PC]
#11	MeSH descriptor: [Analgesia] explode all trees
#12	MeSH descriptor: [Anesthesia, Obstetrical] this term only
#13	MeSH descriptor: [Anesthesia, Epidural] explode all trees
#14	MeSH descriptor: [Analgesics, Opioid] this term only
#15	MeSH descriptor: [Nitrous Oxide] this term only
#16	MeSH descriptor: [Bupivacaine] this term only
#17	MeSH descriptor: [Meperidine] this term only
#18	MeSH descriptor: [Morphine] this term only
#19	MeSH descriptor: [Heroin] this term only
#20	MeSH descriptor: [Transcutaneous Electric Nerve Stimulation] explode all trees
#21	MeSH descriptor: [Baths] this term only
#22	MeSH descriptor: [Water] this term only
#23	MeSH descriptor: [Immersion] this term only
#24	(analges* or anaesthe* or aneshe* or pain control* or pain relief or pain relieving or epidural* or spinal or "gas and air" or nitrous oxide or entonox or bupivacain* or meperidin* or morphine or diamorphine or pethidin* or remifentanil)
#25	(TENS or electroanalgesi* or ((transcutaneous or cutaneous or percutaneous or transdermal or electric nerve) near/2 stimulation))
#26	(hypnobirth* or hypno-birth* or (hypnoti* near birth*) or hypnotherap*)
#27	(birthing pool* or (birth* near pool*) or (water near birth*))
#28	{or #10-#27}
#29	#4 and #9 and #28

I. Managing the third stage of labour to reduce postpartum haemorrhage

Review question: What is the optimal method of managing the third stage of labour to reduce the risk of postpartum haemorrhage (PPH) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase Classic+Embase 1947 to 2018 September 11, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or dichorionic or monochorionic or trichorionic).tw.
5	or/1-4
6	Labor Stage, Third/ use ppez or Labor stage 3/ use emczd
7	Labor, Obstetric/ use ppez or exp labor/ use emczd
8	exp Delivery, Obstetric/ use ppez or obstetric delivery/ use emczd
9	exp Parturition/ use ppez or birth/ use emczd
10	(("3rd stage" or active or expectant or final stage or intra partu* or intrapartu* or last stage or partu* or physiologic* or "stage 3" or third stage) adj3 (birth* or csection* or c-section* or c?ear* or section* or childbirth or deliver* or labor* or labour* or parturition* or VBAC)).tw.
11	((active or expectant or physiologic*) adj3 manag*).tw.
12	(deliver* adj3 (placenta* or membrane* or afterbirth)).tw.
13	or/6-12
14	5 and 13

EARLY SUBMISSION

#	Searches
15	((active management or expectant management or physiological management or natural) adj3 ("3rd stage" or "stage 3" or third stage)).tw.
16	(EMTSL or AMTSL).tw.
17	((placenta* or afterbirth) adj3 (separat* or expulsion or expel* or extract* or remov* or push* or pull* or maternal effort)).tw.
18	Oxytocics/ use ppez or Oxytocin/ use ppez or oxytocic agent/ use emczd
19	exp Uterotonic agent/ use emczd
20	exp ergot alkaloids/ppez or ergonovine/ use ppez or ergot alkaloid/ use emczd
21	Misoprostol/ use ppez or Carboprost/ use ppez or carboprost/ use emczd or misoprostol/ use emczd
22	(carboprost* or ergometrin* or ergonovin* or ergot alkaloid* or misoprostol* or oxytoci* or uterotonic*).tw.
23	(cord clamping or cord-clamping or cordclamping or cord traction or cord cutting).tw.
24	Postpartum Hemorrhage/pc use ppez or postpartum hemorrhage/pc use emczd
25	((postpartu* or post partu* or excessive or high or severe) adj3 (blood* or bleed* or haemorrhag* or hemorrhag*) adj3 prevent*).tw.
26	or/15-25
27	14 and 26
28	limit 27 to english language
29	Letter/ use ppez
30	letter.pt. or letter/ use emczd
31	note.pt.
32	editorial.pt.
33	Editorial/ use ppez
34	News/ use ppez
35	exp Historical Article/ use ppez
36	Anecdotes as Topic/ use ppez
37	Comment/ use ppez
38	Case Report/ use ppez
39	case report/ or case study/ use emczd
40	(letter or comment*).ti.
41	or/29-40
42	randomized controlled trial/ use ppez
43	randomized controlled trial/ use emczd
44	random*.ti,ab.
45	or/42-44
46	41 not 45
47	animals/ not humans/ use ppez
48	animal/ not human/ use emczd
49	nonhuman/ use emczd
50	exp Animals, Laboratory/ use ppez
51	exp Animal Experimentation/ use ppez
52	exp Animal Experiment/ use emczd
53	exp Experimental Animal/ use emczd
54	exp Models, Animal/ use ppez
55	animal model/ use emczd
56	exp Rodentia/ use ppez
57	exp Rodent/ use emczd
58	(rat or rats or mouse or mice).ti.
59	or/46-58
60	28 not 59
61	remove duplicates from 60

Database: Cochrane Library (via Wiley Online)

Last searched on: The Cochrane Library, issue 9 of 12, September 2018

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic* or dichorionic* or trichorionic*)

EARLY SUBMISSION

ID	Search
#4	{or #1-#3}
#5	MeSH descriptor: [Labor Stage, Third] this term only
#6	MeSH descriptor: [Labor, Obstetric] this term only
#7	MeSH descriptor: [Delivery, Obstetric] explode all trees
#8	MeSH descriptor: [Parturition] explode all trees
#9	((("3rd stage" or active or expectant or final stage or intra partu* or intrapartu* or last stage or partu* or physiologic* or "stage 3" or third stage) near/3 (birth* or csection* or c-section* or c?ear* or childbirth or deliver* or labor* or labour* or parturition* or VBAC))
#10	((active or expectant or physiologic*) near/3 manag*)
#11	(deliver* near/3 (placenta* or membrane*))
#12	{or #5-#11}
#13	#4 and #12
#14	((active management or expectant management or physiological management or natural) near/3 ("3rd stage" or "stage 3" or third stage))
#15	(EMTSL or AMTSL)
#16	((placenta* or afterbirth) near/3 (separat* or expulsion or expel* or extract* or push* or pull* or remov* or maternal effort))
#17	MeSH descriptor: [Oxytocics] this term only
#18	MeSH descriptor: [Oxytocin] this term only
#19	MeSH descriptor: [Ergot Alkaloids] explode all trees
#20	MeSH descriptor: [Misoprostol] this term only
#21	MeSH descriptor: [Carboprost] this term only
#22	(carboprost* or ergometrine* or ergonovine* or ergot alkaloids or misoprostol* or oxytoci* or uterotonic*)
#23	(cord clamping or cord-clamping or cordclamping or cord traction or cord cutting) .tw.
#24	MeSH descriptor: [Postpartum Hemorrhage] this term only and with qualifier(s): [Prevention & control - PC]
#25	((postpartu* or post partu* or excessive or high or severe) near/3 (blood* or bleed* or haemorrhag* or hemorrhag*) near/3 prevent*)
#26	{or #14-#25}
#27	#13 and #26

J. Managing the timing of birth according to amnionicity

Review question: What is the incidence of stillbirth, neonatal death and morbidity by gestational age in monochorionic/dichorionic twin and all triplet pregnancies according to amnionicity?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 45, Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to November 05, 2018

Last searched: 06/11/2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(monochorionic* or dichorionic* or trichorionic*).tw.
5	or/1-4
6	(monoamnio* or diamnio* or triamnio* or (amnio* and chorio*)).tw.
7	((amnio* or membrane* or placenta*) adj2 (share* or sharing)).tw.
8	6 or 7
9	5 and 8
10	exp Delivery, Obstetric/
11	exp Labor, Obstetric/
12	exp Parturition/
13	exp Obstetric Labor, Premature/
14	Stillbirth/
15	Pregnancy Outcome/

EARLY SUBMISSION

#	Searches
16	(or/10-15) use ppez
17	labor onset/
18	exp obstetric delivery/
19	exp childbirth/
20	birth/
21	exp "immature and premature labor"/
22	stillbirth/
23	pregnancy outcome/
24	(or/17-23) use emez
25	(deliver* or childbirth* or birth* or labo?r* or parturition or stillbirth* or outcome*).tw.
26	16 or 24 or 25
27	Letter/ use ppez
28	letter.pt. or letter/ use emez
29	note.pt.
30	editorial.pt.
31	Editorial/ use ppez
32	News/ use ppez
33	exp Historical Article/ use ppez
34	Anecdotes as Topic/ use ppez
35	Comment/ use ppez
36	Case Report/ use ppez
37	case report/ or case study/ use emez
38	(letter or comment*).ti.
39	or/27-38
40	randomized controlled trial/ use ppez
41	randomized controlled trial/ use emez
42	random*.ti,ab.
43	or/40-42
44	39 not 43
45	animals/ not humans/ use ppez
46	animal/ not human/ use emez
47	nonhuman/ use emez
48	exp Animals, Laboratory/ use ppez
49	exp Animal Experimentation/ use ppez
50	exp Animal Experiment/ use emez
51	exp Experimental Animal/ use emez
52	exp Models, Animal/ use ppez
53	animal model/ use emez
54	exp Rodentia/ use ppez
55	exp Rodent/ use emez
56	(rat or rats or mouse or mice).ti.
57	or/44-56
58	9 and 26
59	58 not 57
60	limit 59 to english language
61	remove duplicates from 60

Supplementary search, Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 46, Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to November 08, 2018

Last searched: 08/11/2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(monochorionic* or dichorionic* or trichorionic*).tw.
5	or/1-4
6	(monoamnio* or diamnio* or triamnio* or (amnio* and chorio*)).tw.

EARLY SUBMISSION

#	Searches
7	Gestational Age/ use ppez
8	gestational age/ use emez
9	((foetal or fetal or foetus* or fetus* or gestation*) adj3 (age or maturity or mature or immatur* or growth or discordan*)).tw.
10	or/6-9
11	5 and 10
12	Fetal Death/
13	Fetal Mortality/
14	Stillbirth/
15	exp Obstetric Labor Complications/
16	Perinatal Death/
17	Perinatal Mortality/
18	Infant Mortality/
19	exp Respiratory Distress Syndrome, Newborn/
20	exp Respiration, Artificial/
21	Neonatal Sepsis/
22	exp Meningitis/
23	Bronchopulmonary Dysplasia/
24	Hypoxia-Ischemia, Brain/
25	Enterocolitis, Necrotizing/
26	Cerebral Intraventricular Hemorrhage/
27	Leukomalacia, Periventricular/
28	Retinopathy of Prematurity/
29	(or/12-28) use ppez
30	twin discordance/
31	fetus death/
32	fetus mortality/
33	stillbirth/
34	exp labor complication/
35	perinatal death/
36	exp perinatal mortality/
37	neonatal respiratory distress syndrome/
38	exp artificial ventilation/
39	newborn sepsis/
40	exp meningitis/
41	lung dysplasia/
42	hypoxic ischemic encephalopathy/
43	necrotizing enterocolitis/
44	brain hemorrhage/
45	leukomalacia/
46	retrolental fibroplasia/
47	(or/30-47) use emez
48	stillbirth.tw.
49	(death or dead or demise or mortality).tw.
50	((foetal or fetal or foetus* or fetus*) adj3 (loss* or outcome*)).tw.
51	((neonat* or preterm or prematur* or newborn or perinatal) adj3 (loss* or outcome* or morbidity or complication* or distress)).tw.
52	(sepsis or septic* or bacteri?emia or meningitis or encephalopath* or enterocolit* or h?emorrhag* or leu?omalac* or fibroplasi* or retinopath* or isch?emi* or respirat* distress* or respirat* insufficien* or ventilat*).tw.
53	(bronchopulmonary dysplas* or BPD).tw.
54	or/49-53
55	29 or 47 or 54
56	11 and 55
57	limit 56 to english language
58	Letter/ use ppez
59	letter.pt. or letter/ use emez
60	note.pt.
61	editorial.pt.
62	Editorial/ use ppez
63	News/ use ppez
64	exp Historical Article/ use ppez
65	Anecdotes as Topic/ use ppez
66	Comment/ use ppez
67	Case Report/ use ppez
68	case report/ or case study/ use emez

EARLY SUBMISSION

#	Searches
69	(letter or comment*).ti.
70	or/58-69
71	randomized controlled trial/ use ppez
72	randomized controlled trial/ use emez
73	random*.ti,ab.
74	or/71-73
75	70 not 74
76	animals/ not humans/ use ppez
77	animal/ not human/ use emez
78	nonhuman/ use emez
79	exp Animals, Laboratory/ use ppez
80	exp Animal Experimentation/ use ppez
81	exp Animal Experiment/ use emez
82	exp Experimental Animal/ use emez
83	exp Models, Animal/ use ppez
84	animal model/ use emez
85	exp Rodentia/ use ppez
86	exp Rodent/ use emez
87	(rat or rats or mouse or mice).ti.
88	or/75-87
89	57 not 88
90	limit 89 to yr="2015 -Current"
91	remove duplicates from 90

Database: Cochrane Library (via Wiley Online)

Last searched on The Cochrane Library, issue 11 of 12, November 2018: Cochrane Database of Systematic Reviews (CDSR), issue 11 of 12, November 2018; Cochrane Central Register of Controlled Trials (CCTR): issue 10 of 12, October 2018

Last searched: 01/11/2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) near/3 (birth* or foetus* or foetal or fetus* or fetal or gestation* or pregnan*))
#3	(monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	(monoamnio* or diamnio* or triamnio* or (amnio* and chorio*))
#6	((amnio* or membrane* or placenta*) near/2 (share* or sharing))
#7	#5 or #6
#8	#4 and #7
#9	MeSH descriptor: [Labor, Obstetric] explode all trees
#10	MeSH descriptor: [Delivery, Obstetric] explode all trees
#11	MeSH descriptor: [Parturition] explode all trees
#12	MeSH descriptor: [Obstetric Labor, Premature] explode all trees
#13	MeSH descriptor: [Stillbirth] this term only
#14	MeSH descriptor: [Pregnancy Outcome] this term only
#15	(birth* or childbirth or deliver* or labor* or labour* or parturition* or stillbirth* or outcome*)
#16	{or #9-#15}
#17	#8 and #16

Supplementary search, Cochrane Library (via Wiley Online)

Last searched on The Cochrane Library, issue 11 of 12, November 2018: Cochrane Database of Systematic Reviews (CDSR), issue 11 of 12, November 2018; Cochrane Central Register of Controlled Trials (CCTR): issue 10 of 12, October 2018

Last searched: 08/11/2018

EARLY SUBMISSION

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) near/3 (birth* or foetus* or foetal or fetus* or fetal or gestation* or pregnan*))
#3	(monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	(monoamnio* or diamnio* or triamnio* or (amnio* and chorio*))
#6	((amnio* or membrane* or placenta*) near/2 (share* or sharing))
#7	MeSH descriptor: [Gestational Age] this term only
#8	((foetal or fetal or foetus* or fetus* or gestation*) near/3 (age or maturity or mature or immatur* or growth or discordan*))
#9	{or #5-#8}
#10	#4 and #9
#11	MeSH descriptor: [Fetal Death] this term only
#12	MeSH descriptor: [Fetal Mortality] this term only
#13	MeSH descriptor: [Stillbirth] this term only
#14	MeSH descriptor: [Obstetric Labor Complications] explode all trees
#15	MeSH descriptor: [Perinatal Death] this term only
#16	MeSH descriptor: [Perinatal Mortality] this term only
#17	MeSH descriptor: [Infant Mortality] this term only
#18	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#19	MeSH descriptor: [Respiration, Artificial] explode all trees
#20	MeSH descriptor: [Neonatal Sepsis] this term only
#21	MeSH descriptor: [Meningitis] explode all trees
#22	MeSH descriptor: [Bronchopulmonary Dysplasia] this term only
#23	MeSH descriptor: [Hypoxia-Ischemia, Brain] this term only
#24	MeSH descriptor: [Enterocolitis, Necrotizing] this term only
#25	MeSH descriptor: [Cerebral Intraventricular Hemorrhage] this term only
#26	MeSH descriptor: [Leukomalacia, Periventricular] this term only
#27	MeSH descriptor: [Retinopathy of Prematurity] this term only
#28	stillbirth
#29	(death or dead or demise or mortality)
#30	((foetal or fetal or foetus* or fetus*) near/3 (loss* or outcome*))
#31	((neonat* or preterm or prematur* or newborn or perinatal) near/3 (loss* or outcome* or morbidity or complication* or distress))
#32	(sepsis or septic* or bacteri?emia or meningitis or encephalopath* or enterocolit* or h?emorrhag* or leu?omalac* or fibroplasi* or retinopath* or isch?emi* or respirat* distress* or respirat* insufficien* or ventilat*)
#33	(bronchopulmonary dysplas* or BPD)
#34	{or #11-#33}
#35	#10 and #34 with Publication Year from 2015 to 2018, with Cochrane Library publication date Between Jan 2015 and Jan 2018, in Trials

Database: DARE, HTA and NHSEED (via NIHR Centre for Reviews and Dissemination)

Last searched on Database of Abstracts of Reviews of Effects (DARE), Health Technology Assessment Database (HTA) and the NHS Economic Evaluation Database (NHS EED)

Last searched: 01/11/2018

1	MeSH DESCRIPTOR Pregnancy, Multiple EXPLODE ALL TREES
2	((monochorionic* or dichorionic* or trichorionic*)) IN DARE, NHSEED, HTA
3	(((((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) near3 (birth* or foetus* or foetal or fetus* or fetal or gestation* or pregnan*)))) IN DARE, NHSEED, HTA
4	#1 OR #2 OR #3
5	((monoamnio* or diamnio* or triamnio* or (amnio* and chorio*))) IN DARE, NHSEED, HTA
6	((((amnio* or membrane* or placenta*) near2 (share* or sharing))) IN DARE, NHSEED, HTA
7	#5 OR #6
8	#4 AND #7

EARLY SUBMISSION

Supplementary search, DARE, HTA and NHSEED (via NIHR Centre for Reviews and Dissemination)

Last searched on Database of Abstracts of Reviews of Effects (DARE), Health Technology Assessment Database (HTA) and the NHS Economic Evaluation Database (NHS EED)

Last searched: 08/11/2018

1	MeSH DESCRIPTOR Pregnancy, Multiple EXPLODE ALL TREES
2	((monochorionic* or dichorionic* or trichorionic*)) IN DARE, NHSEED, HTA
3	(((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) near3 (birth* or foetus* or foetal or fetus* or fetal or gestation* or pregnan*)))) IN DARE, NHSEED, HTA
4	#1 OR #2 OR #3
5	((monoamnio* or diamnio* or triamnio* or (amnio* and chorio*))) IN DARE, NHSEED, HTA
6	(((amnio* or membrane* or placenta*) near2 (share* or sharing))) IN DARE, NHSEED, HTA
7	(((foetal or fetal or foetus* or fetus* or gestation*) near3 (age or maturity or mature or immatur* or growth or discordan*))) IN DARE, NHSEED, HTA
8	MeSH DESCRIPTOR gestational age EXPLODE ALL TREES IN DARE,NHSEED,HTA
9	#5 OR #6 OR #7 OR #8
10	#4 AND #9
11	* IN DARE, NHSEED, HTA FROM 2015 TO 2018
12	* IN DARE, NHSEED, HTA WHERE LPD FROM 01/01/2015 TO 13/11/2018
13	#11 OR #12
14	#10 AND #13

Economic literature search strategies

The same literature search was carried out across all guideline questions for any health economic studies relating to twin and triplet pregnancy.

A. Ultrasound screening for feto-fetal transfusion syndrome (FFTS)

Review question: What is the optimal screening programme to identify feto-fetal transfusion syndrome (FFTS) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 6 September 2018

#	Searches
1	Fetofetal Transfusion/ use ppez
2	newborn anemia/ use emez
3	((fetofetal or foetofoetal) adj2 transfusion syndrome).tw.
4	((feto fetal or foeto foetal) adj2 transfusion syndrome).tw.
5	(twin adj2 twin adj transfusion syndrome).tw.
6	twin-to-twin transfusion syndrome.tw.
7	intertwin transfusion syndrome.tw.
8	inter twin transfusion syndrome.tw.
9	(tts or ffs).tw.
10	or/1-9
11	limit 10 to (english language and yr="2010 -Current")
12	Letter/ use ppez
13	letter.pt. or letter/ use emez
14	note.pt.
15	editorial.pt.
16	Editorial/ use ppez
17	News/ use ppez
18	exp Historical Article/ use ppez
19	Anecdotes as Topic/ use ppez
20	Comment/ use ppez
21	Case Report/ use ppez
22	case report/ or case study/ use emez
23	(letter or comment*).ti.
24	or/12-23
25	randomized controlled trial/ use ppez
26	randomized controlled trial/ use emez
27	random*.ti,ab.
28	or/25-27
29	24 not 28
30	animals/ not humans/ use ppez
31	animal/ not human/ use emez
32	nonhuman/ use emez
33	exp Animals, Laboratory/ use ppez
34	exp Animal Experimentation/ use ppez
35	exp Animal Experiment/ use emez
36	exp Experimental Animal/ use emez
37	exp Models, Animal/ use ppez
38	animal model/ use emez
39	exp Rodentia/ use ppez
40	exp Rodent/ use emez
41	(rat or rats or mouse or mice).ti.
42	or/29-41
43	11 not 42
44	Economics/
45	Value of life/
46	exp "Costs and Cost Analysis"/
47	exp Economics, Hospital/
48	exp Economics, Medical/

EARLY SUBMISSION

#	Searches
49	Economics, Nursing/
50	Economics, Pharmaceutical/
51	exp "Fees and Charges"/
52	exp Budgets/
53	or/44-52 use ppez
54	health economics/
55	exp economic evaluation/
56	exp health care cost/
57	exp fee/
58	budget/
59	funding/
60	or/54-59 use emez
61	budget*.ti,ab.
62	cost*.ti.
63	(economic* or pharmaco?economic*).ti.
64	(price* or pricing*).ti,ab.
65	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
66	(financ* or fee or fees).ti,ab.
67	(value adj2 (money or monetary)).ti,ab.
68	or/61-66
69	53 or 60 or 68
70	43 and 69
71	remove duplicates from 70

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Fetofetal Transfusion] this term only
#2	((fetofetal or foetofetal) near/2 transfusion syndrome)
#3	((feto fetal or foeto foetal) near/2 transfusion syndrome)
#4	(twin near/2 twin next transfusion syndrome)
#5	twin-to-twin transfusion syndrome
#6	intertwin transfusion syndrome
#7	inter twin transfusion syndrome
#8	(ttts or ffts)
#9	{or #1-#8} Publication Year from 2010 to 2018

B. The optimal screening programme to detect intrauterine growth restriction (IUGR) in twin and triplet pregnancy

Review question: What is the optimal screening programme to detect intrauterine growth restriction (IUGR) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present.

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic* or dichorionic* or trichorionic*).tw.

EARLY SUBMISSION

#	Searches
5	or/1-4
6	exp Medical Records/ use ppez
7	medical record/ use emez
8	exp Medical History Taking/ use ppez
9	exp anamnesis/ use emez
10	((medical or patient) adj2 (history or record*)).tw.
11	exp Palpation/ use ppez
12	palpation/ use emez
13	Crown-Rump Length/ use ppez
14	crown rump length/ use emez
15	(palpation adj3 abdom*).tw.
16	((crown rump or crown-rump) adj3 (length* or measur* or height* or estimat* or screen* or discord*)).tw.
17	(fundal height adj3 measur*).tw.
18	(symphysio?fundal adj3 measur*).tw.
19	(symphysio fundal adj3 measur*).tw.
20	((maternal or mother*) adj2 serum screening).tw.
21	exp Chorionic Gonadotropin/bl, di use ppez
22	chorionic gonadotropin/ use emez
23	(HCG or human chorionic gonadotropin).tw.
24	exp Fetal Proteins/ use ppez
25	fetoprotein/ use emez
26	alpha fetoprotein*.tw.
27	alpha feto protein*.tw.
28	AFP.tw.
29	Pregnancy-Associated Plasma Protein-A/ use ppez
30	pregnancy associated plasma protein A/ use emez
31	"PAPP A".tw.
32	PAPP alpha.tw.
33	((blood or alpha) adj2 (protein* or glycoprotein* or globulin* or macroglobulin*)).tw.
34	exp Inhibins/ use ppez
35	inhibin/ use emez
36	inhibin*.tw.
37	exp Estradiol/ use ppez
38	estradiol/ use emez
39	(estradiol or oestradiol).tw.
40	exp ultrasonography, doppler/ use ppez or exp ultrasonography, prenatal/ use ppez or exp ultrasonography/ use ppez
41	exp echograpy/ use emez or exp fetus echography/ use emez or doppler echography/ use emez
42	Nuchal Translucency Measurement/ use ppez
43	nuchal translucency measurement/ use emez
44	((antenatal* or prenatal* or fetal or foetal or fetus* or foetus*) adj3 (diagnos* or screen* or ultraso*)).tw.
45	((fetal or foetal or fetus* or foetus*) adj3 biomet*).tw.
46	(doppler adj3 ultraso*).tw.
47	(uterine artery adj3 doppler).tw.
48	(umbilical adj3 doppler).tw.
49	(middle cerebral artery adj3 doppler).tw.
50	(MCA adj3 doppler).tw.
51	(ductus venosus adj3 doppler).tw.
52	(descending aorta adj3 doppler).tw.
53	(inferior vena cava adj3 doppler).tw.
54	(IVC adj3 doppler).tw.
55	(nuchal adj3 (measur* or scan* or screen* or translucen* or test*)).tw.
56	Fetal Weight/ use ppez
57	fetus weight/ use emez
58	estimat* fetal weight.tw.
59	estimat* foetal weight.tw.
60	Amniotic Fluid/ use ppez
61	exp amnion fluid/ use emez
62	(amniotic fluid adj3 volume).tw.
63	or/6-62
64	Fetal Growth Retardation/bl, di, dg use ppez
65	exp intrauterine growth retardation/di use emez
66	(grow* adj3 (restrict* or retard* or discord*)).tw.
67	exp Infant, Low Birth Weight/bl, gd use ppez
68	exp low birth weight/di use emez

EARLY SUBMISSION

#	Searches
69	(intrauterine growth restrict* or intra-uterine growth restrict*).tw.
70	(small adj3 (gestation* or age)).tw.
71	IUGR.tw.
72	SGA.tw.
73	or/64-72
74	5 and (63 or 73)
75	limit 74 to (english language and yr="2010 -Current")
76	Letter/ use ppez
77	letter.pt. or letter/ use emez
78	note.pt.
79	editorial.pt.
80	Editorial/ use ppez
81	News/ use ppez
82	exp Historical Article/ use ppez
83	Anecdotes as Topic/ use ppez
84	Comment/ use ppez
85	Case Report/ use ppez
86	case report/ or case study/ use emez
87	(letter or comment*).ti.
88	or/76-87
89	randomized controlled trial/ use ppez
90	randomized controlled trial/ use emez
91	random*.ti,ab.
92	or/89-91
93	88 not 92
94	animals/ not humans/ use ppez
95	animal/ not human/ use emez
96	nonhuman/ use emez
97	exp Animals, Laboratory/ use ppez
98	exp Animal Experimentation/ use ppez
99	exp Animal Experiment/ use emez
100	exp Experimental Animal/ use emez
101	exp Models, Animal/ use ppez
102	animal model/ use emez
103	exp Rodentia/ use ppez
104	exp Rodent/ use emez
105	(rat or rats or mouse or mice).ti.
106	or/93-105
107	75 not 106
108	Economics/
109	Value of life/
110	exp "Costs and Cost Analysis"/
111	exp Economics, Hospital/
112	exp Economics, Medical/
113	Economics, Nursing/
114	Economics, Pharmaceutical/
115	exp "Fees and Charges"/
116	exp Budgets/
117	(or/108-116) use ppez
118	health economics/
119	exp economic evaluation/
120	exp health care cost/
121	exp fee/
122	budget/
123	funding/
124	(or/118-123) use emez
125	budget*.ti,ab.
126	cost*.ti.
127	(economic* or pharmaco?economic*).ti.
128	(price* or pricing*).ti,ab.
129	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*).ab.
130	(financ* or fee or fees).ti,ab.
131	(value adj2 (money or monetary)).ti,ab.
132	or/125-130

EARLY SUBMISSION

#	Searches
133	117 or 124 or 132
134	107 and 133

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Fetal Development] this term only
#6	MeSH descriptor: [Fetus] explode all trees and with qualifier(s): [Abnormalities - AB, Blood supply - BS, Diagnostic imaging - DG]
#7	MeSH descriptor: [Infant, Low Birth Weight] explode all trees and with qualifier(s): [Blood - BL, Growth & development - GD]
#8	(grow* near/3 (restrict* or retard* or discord*))
#9	intrauterine growth restrict* or intra-uterine growth restrict*
#10	(small near/3 (gestation* or age))
#11	(IUGR or SGA)
#12	{or #5-#11}
#13	#4 and #12 Publication Year from 2010 to 2018

C. Ultrasound screening for Twin Anaemia Polycythaemia Sequences (TAPS)

Review question: What is the optimal screening programme to detect twin anaemia polycythaemia sequences (TAPS) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present.

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic* or dichorionic* or trichorionic*).tw.
5	Diseases in Twins/ use ppez
6	exp twins/ use emczd
7	or/1-6
8	Polycythemia/ use ppez
9	(Anemia/ and Placenta/) use ppez
10	polycythemia/ use emczd
11	(anemia/ and placenta/) use emczd
12	twin anemia polycythemia sequence/ use emczd
13	TAPS.tw.
14	or/8-13
15	7 and 14

EARLY SUBMISSION

#	Searches
16	twin* an?emi* polycyth?emi* sequence*.tw.
17	twin* an?emia*.tw.
18	15 or 16 or 17
19	Letter/ use ppez
20	letter.pt. or letter/ use emczd
21	note.pt.
22	editorial.pt.
23	Editorial/ use ppez
24	News/ use ppez
25	exp Historical Article/ use ppez
26	Anecdotes as Topic/ use ppez
27	Comment/ use ppez
28	Case Report/ use ppez
29	case report/ or case study/ use emczd
30	(letter or comment*).ti.
31	or/19-30
32	randomized controlled trial/ use ppez
33	randomized controlled trial/ use emczd
34	random*.ti,ab.
35	or/32-34
36	31 not 35
37	animals/ not humans/ use ppez
38	animal/ not human/ use emczd
39	nonhuman/ use emczd
40	exp Animals, Laboratory/ use ppez
41	exp Animal Experimentation/ use ppez
42	exp Animal Experiment/ use emczd
43	exp Experimental Animal/ use emczd
44	exp Models, Animal/ use ppez
45	animal model/ use emczd
46	exp Rodentia/ use ppez
47	exp Rodent/ use emczd
48	(rat or rats or mouse or mice).ti.
49	or/36-48
50	18 not 49
51	limit 50 to english language
52	remove duplicates from 51
53	Economics/
54	Value of life/
55	exp "Costs and Cost Analysis"/
56	exp Economics, Hospital/
57	exp Economics, Medical/
58	Economics, Nursing/
59	Economics, Pharmaceutical/
60	exp "Fees and Charges"/
61	exp Budgets/
62	(or/53-61) use ppez
63	health economics/
64	exp economic evaluation/
65	exp health care cost/
66	exp fee/
67	budget/
68	funding/
69	(or/63-68) use emczd
70	budget*.ti,ab.
71	cost*.ti.
72	(economic* or pharmaco?economic*).ti.
73	(price* or pricing*).ti,ab.
74	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
75	(financ* or fee or fees).ti,ab.
76	(value adj2 (money or monetary)).ti,ab.
77	or/70-75
78	62 or 69 or 77
79	52 and 78

EARLY SUBMISSION

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or fetus or foetal or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	MeSH descriptor: [Diseases in Twins] this term only
#5	MeSH descriptor: [Twins] explode all trees
#6	{or #1-#5}
#7	MeSH descriptor: [Polycythemia] this term only
#8	MeSH descriptor: [Anemia] this term only
#9	MeSH descriptor: [Placenta] this term only
#10	#8 and #9
#11	#7 or #10
#12	#6 and #11
#13	(twin* anemia* polycythemia* sequence*)
#14	(twin* anaemia* polycythaemia* sequence*)
#15	(twin* anemia* or twin* anaemia*)
#16	{or #12-#15}

D. Ultrasound screening for prediction of the risk of spontaneous preterm birth

Review question: What is the optimal screening programme to predict the risk of spontaneous preterm birth in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic* or dichorionic* or trichorionic*).tw.
5	or/1-4
6	Cervical Length Measurement/ use ppez
7	cervical length measurement/ use emez
8	6 or 7
9	Cervix Uteri/ use ppez
10	uterine cervix/ use emez
11	9 or 10
12	Ultrasonography, Prenatal/ use ppez
13	exp fetus echography/ use emez
14	Ultrasonography/ use ppez
15	Echography/ use emez
16	(ultraso* or sonogra* or echogra* or doppler*).tw.
17	or/12-16
18	11 and 17
19	Cervix Uteri/dg use ppez

EARLY SUBMISSION

#	Searches
20	uterine cervix/di use emez
21	(((cervical or cervix or uterocervi*) adj2 (length or measur*)) or clm).tw.
22	Fibronectins/ use ppez
23	Fibronectin/ use emez
24	((foetal or fetal or foetus* or fetus*) adj2 fibronectin*).tw.
25	(fibronectin* adj5 (test* or analy* or monitor* or screen* or assay* or evaluat*)).tw.
26	Uterine Monitoring/ use ppez
27	fetus monitoring/ use emez
28	uterine activity monitoring/ use emez
29	((uterine or uterus) adj5 (activity adj5 monitor*)).tw.
30	exp Obstetric Labor, Premature/ use ppez
31	premature labor/ use emez
32	((history or previous or prior) adj3 (obstetric* or prematur* or preterm or pre?term or miscarri* or stillbirth* or stillborn*)).tw.
33	((history or previous or prior) adj2 ((cervix or cervical) adj2 (surgery or surgical))).tw.
34	Prenatal Care/ use ppez
35	prenatal care/ use emez
36	((additional or extra or increas* or number or frequency or more or schedule* or routine) adj5 ((visit* or care or contact*) adj2 (antenatal or prenatal))).tw.
37	or/8,18-36
38	5 and 37
39	limit 38 to (english language and yr="2010 -Current")
40	Letter/ use ppez
41	letter.pt. or letter/ use emez
42	note.pt.
43	editorial.pt.
44	Editorial/ use ppez
45	News/ use ppez
46	exp Historical Article/ use ppez
47	Anecdotes as Topic/ use ppez
48	Comment/ use ppez
49	Case Report/ use ppez
50	case report/ or case study/ use emez
51	(letter or comment*).ti.
52	or/40-51
53	randomized controlled trial/ use ppez
54	randomized controlled trial/ use emez
55	random*.ti,ab.
56	or/53-55
57	52 not 56
58	animals/ not humans/ use ppez
59	animal/ not human/ use emez
60	nonhuman/ use emez
61	exp Animals, Laboratory/ use ppez
62	exp Animal Experimentation/ use ppez
63	exp Animal Experiment/ use emez
64	exp Experimental Animal/ use emez
65	exp Models, Animal/ use ppez
66	animal model/ use emez
67	exp Rodentia/ use ppez
68	exp Rodent/ use emez
69	(rat or rats or mouse or mice).ti.
70	or/57-69
71	39 not 70
72	Economics/
73	Value of life/
74	exp "Costs and Cost Analysis"/
75	exp Economics, Hospital/
76	exp Economics, Medical/
77	Economics, Nursing/
78	Economics, Pharmaceutical/
79	exp "Fees and Charges"/
80	exp Budgets/
81	(or/72-80) use ppez
82	health economics/

EARLY SUBMISSION

#	Searches
83	exp economic evaluation/
84	exp health care cost/
85	exp fee/
86	budget/
87	funding/
88	(or/82-87) use emez
89	budget*.ti,ab.
90	cost*.ti.
91	(economic* or pharmaco?economic*).ti.
92	(price* or pricing*).ti,ab.
93	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
94	(financ* or fee or fees).ti,ab.
95	(value adj2 (money or monetary)).ti,ab.
96	or/89-94
97	81 or 88 or 96
98	71 and 97
99	remove duplicates from 98

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	MeSH descriptor: [Cervical Length Measurement] this term only
#6	MeSH descriptor: [Cervix Uteri] this term only
#7	MeSH descriptor: [Ultrasonography, Prenatal] explode all trees
#8	MeSH descriptor: [Ultrasonography] this term only
#9	(ultraso* or sonogra* or echogra* or doppler*)
#10	{or #7-#9}
#11	#6 and #10
#12	MeSH descriptor: [Cervix Uteri] this term only and with qualifier(s): [Diagnostic imaging - DG]
#13	((cervical or cervix or uterocervi*) near/2 (length or measur*)) or clm)
#14	MeSH descriptor: [Fibronectins] this term only
#15	((foetal or fetal or foetus* or fetus*) near/2 fibronectin*)
#16	(fibronectin* near/5 (test* or analy* or monitor* or screen* or assay* or evaluat*))
#17	MeSH descriptor: [Uterine Monitoring] this term only
#18	((uterine or uterus) near/5 (activity near/5 monitor*))
#19	MeSH descriptor: [Obstetric Labor, Premature] explode all trees
#20	((history or previous or prior) near/3 (obstetric* or prematur* or preterm or pre-term or miscarri* or stillbirth* or stillborn*))
#21	((history or previous or prior) near/2 ((cervix or cervical) near/2 (surgery or surgical)))
#22	MeSH descriptor: [Prenatal Care] this term only
#23	((additional or extra or increas* or number or frequency or more or schedule* or routine) near/5 ((visit* or care or contact*) near/2 (antenatal or prenatal)))
#24	{or #5, #11-#23}
#25	#4 and #24 Publication Year from 2010 to 2018

E. Interventions to prevent spontaneous preterm birth in twins and triplets

Review question: What interventions are effective in preventing spontaneous preterm birth in twin and triplet pregnancy?

EARLY SUBMISSION

Database: Embase & Medline (Multifile)

Last searched on: Embase 1980 to 2018 Week 36, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 6 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or dichorionic or monochorionic or trichorionic).tw.
5	or/1-4
6	bed rest/
7	(bed adj2 rest).tw.
8	progesterone/
9	gestagen/ use emez
10	(gestagen* or progesterone or progestagen* or progestin*).tw.
11	uterine cervix cerclage/ use emez or cerclage, cervical/ use ppez
12	((cervical or cervix) adj2 (cerclage or stitch*)).tw.
13	uterus spasmolytic agent/ use emez
14	tocolysis/ or tocolytic agents/ use ppez
15	(tocolysis or tocolytic*).tw.
16	exp beta adrenergic receptor stimulating agent/ use emez or exp adrenergic beta-agonists/ use ppez
17	(beta* adrenergic receptor agonist* or beta* adrenergic agonist* or beta* receptor agonist* or beta* agonist* or betamimetic* or beta mimetic*).tw.
18	ritodrine/
19	ritodrine.tw.
20	magnesium sulfate/
21	(magnesium adj (sulfate or sulphate)).tw.
22	nifedipine/
23	nifedipine.tw.
24	sexual abstinence/
25	(sex* adj2 (abstin* or abstain*)).tw.
26	pessary/ use ppez
27	vaginal pessary/ use emez
28	((cervical or cervix) adj2 pessar*).tw.
29	or/6-28
30	5 and 29
31	limit 30 to (english language and yr="2010-Current")
32	Letter/ use ppez
33	letter.pt. or letter/ use emez
34	note.pt.
35	editorial.pt.
36	Editorial/ use ppez
37	News/ use ppez
38	exp Historical Article/ use ppez
39	Anecdotes as Topic/ use ppez
40	Comment/ use ppez
41	Case Report/ use ppez
42	case report/ or case study/ use emez
43	(letter or comment*).ti.
44	or/32-43
45	randomized controlled trial/ use ppez
46	randomized controlled trial/ use emez
47	random*.ti,ab.
48	or/45-47
49	44 not 48
50	animals/ not humans/ use ppez
51	animal/ not human/ use emez
52	nonhuman/ use emez
53	exp Animals, Laboratory/ use ppez
54	exp Animal Experimentation/ use ppez

EARLY SUBMISSION

#	Searches
55	exp Animal Experiment/ use emez
56	exp Experimental Animal/ use emez
57	exp Models, Animal/ use ppez
58	animal model/ use emez
59	exp Rodentia/ use ppez
60	exp Rodent/ use emez
61	(rat or rats or mouse or mice).ti.
62	or/49-61
63	31 not 62
64	Economics/
65	Value of life/
66	exp "Costs and Cost Analysis"/
67	exp Economics, Hospital/
68	exp Economics, Medical/
69	Economics, Nursing/
70	Economics, Pharmaceutical/
71	exp "Fees and Charges"/
72	exp Budgets/
73	(or/64-72) use ppez
74	health economics/
75	exp economic evaluation/
76	exp health care cost/
77	exp fee/
78	budget/
79	funding/
80	(or/74-79) use emez
81	budget*.ti,ab.
82	cost*.ti.
83	(economic* or pharmaco?economic*).ti.
84	(price* or pricing*).ti,ab.
85	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
86	(financ* or fee or fees).ti,ab.
87	(value adj2 (money or monetary)).ti,ab.
88	or/81-87
89	73 or 80 or 88
90	63 and 89
91	remove duplicates from 90

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 6 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal)) .tw.
#3	(chorionicity or monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	MeSH descriptor: [Bed Rest] this term only
#6	(bed near/2 rest) .tw
#7	MeSH descriptor: [Progesterone] this term only
#8	MeSH descriptor: [Progestins] this term only
#9	(gestagen* or progesterone or progestagen* or progestin*) .tw.
#10	MeSH descriptor: [Cerclage, Cervical] this term only
#11	((cervical or cervix) adj2 (cerclage or stitch*)) .tw.
#12	MeSH descriptor: [Tocolysis] this term only
#13	MeSH descriptor: [Tocolytic Agents] this term only
#14	(tocolysis or tocolytic*) .tw.
#15	MeSH descriptor: [Adrenergic beta-Agonists] explode all trees
#16	(beta* adrenergic receptor agonist* or beta* adrenergic agonist* or beta* receptor agonist* or beta* agonist* or betamimetic* or beta mimetic*) .tw.
#17	MeSH descriptor: [Ritodrine] this term only

EARLY SUBMISSION

ID	Search
#18	ritodrine.tw
#19	MeSH descriptor: [Magnesium Sulfate] this term only
#20	(magnesium adj (sulfate or sulphate)) .tw.
#21	MeSH descriptor: [Nifedipine] this term only
#22	nifedipine.tw
#23	MeSH descriptor: [Sexual Abstinence] this term only
#24	(sex* adj2 (abstin* or abstain*)) .tw.
#25	MeSH descriptor: [Pessaries] this term only
#26	((cervical or cervix) adj2 pessar*) .tw.
#27	{or #5-#26}
#28	#4 and #27 Publication Year from 2010 to 2018

F. Mode of birth

Review question: What is the optimal mode of birth to improve outcomes for mothers and babies in twin and triplet pregnancy?

Database: Embase, MIDIRS & Medline (Multifile)

Last searched on Embase Classic+Embase 1947 to 2018 September 11, Maternity & Infant Care Database (MIDIRS) 1971 to August 2018 Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	(pregnancy - multiple or twin* or triplet*).hw. use mwic
4	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
5	(chorionicity or monochorionic or dichorionic or trichorionic).tw.
6	or/1-5
7	exp obstetric delivery/
8	exp obstetric operation/
9	exp childbirth/
10	birth/
11	or/7-10 use emczd
12	exp Delivery, Obstetric/
13	exp Parturition/
14	exp Labor, Obstetric/
15	or/12-14 use ppez
16	childbirth.hw.
17	c?esarean section.hw.
18	forceps.hw.
19	labo?r.hw.
20	mode of delivery.hw.
21	obstetric delivery.hw.
22	vacuum extraction.hw.
23	vaginal birth.hw.
24	or/16-23 use mwic
25	(mode of delivery or method of delivery or childbirth* or obstetric deliver* or c?esar* or c-section* or elective birth* or planned birth* or planned deliver* or vagina* birth* or vagina* deliver* or normal birth* or normal deliver* or natural birth* natural deliver* or VBAC or assisted birth* or assisted deliver* or forceps or vacuum or ventouse).tw.
26	or/11,15,24-25
27	6 and 26
28	limit 27 to english language [Limit not valid in MWIC; records were retained]
29	Letter/ use ppez
30	letter.pt. or letter/ use emczd

EARLY SUBMISSION

#	Searches
31	note.pt.
32	editorial.pt.
33	Editorial/ use ppez
34	News/ use ppez
35	exp Historical Article/ use ppez
36	Anecdotes as Topic/ use ppez
37	Comment/ use ppez
38	Case Report/ use ppez
39	case report/ or case study/ use emczd
40	(letter or comment*).ti.
41	or/29-40
42	randomized controlled trial/ use ppez
43	randomized controlled trial/ use emczd
44	randomised controlled trials.hw. use mwic
45	random*.ti,ab.
46	or/42-45
47	41 not 46
48	animals/ not humans/ use ppez
49	animal/ not human/ use emczd
50	(animals not (human or humans)).hw. use mwic
51	nonhuman/ use emczd
52	exp Animals, Laboratory/ use ppez
53	exp Animal Experimentation/ use ppez
54	exp Animal Experiment/ use emczd
55	exp Experimental Animal/ use emczd
56	exp Models, Animal/ use ppez
57	animal model/ use emczd
58	exp Rodentia/ use ppez
59	exp Rodent/ use emczd
60	(rat or rats or mouse or mice).ti.
61	or/47-60
62	28 not 61
63	Economics/
64	Value of life/
65	exp "Costs and Cost Analysis"/
66	exp Economics, Hospital/
67	exp Economics, Medical/
68	Economics, Nursing/
69	Economics, Pharmaceutical/
70	exp "Fees and Charges"/
71	exp Budgets/
72	or/63-71 use ppez
73	health economics/
74	exp economic evaluation/
75	exp health care cost/
76	exp fee/
77	budget/
78	funding/
79	or/73-78 use emczd
80	economics.hw.
81	Cost-benefit analysis.hw.
82	Cost*.hw.
83	Health care costs.hw.
84	financ*.hw.
85	funding.hw.
86	or/80-85 use mwic
87	budget*.ti,ab.
88	cost*.ti.
89	(economic* or pharmaco?economic*).ti.
90	(price* or pricing*).ti,ab.
91	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*).ab.
92	(financ* or fee or fees).ti,ab.
93	(value adj2 (money or monetary)).ti,ab.
94	or/87-92

EARLY SUBMISSION

#	Searches
95	72 or 79 or 86 or 94
96	62 and 95
97	remove duplicates from 96

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) N3 (birth* or pregnan* or gestation* or foetus* or fetus or foetal or fetal))
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Delivery, Obstetric] explode all trees
#6	MeSH descriptor: [Parturition] explode all trees
#7	MeSH descriptor: [Labor, Obstetric] explode all trees
#8	(mode of delivery or method of delivery or childbirth* or obstetric deliver* or caesar* or cesar* or c-section* or elective birth* or planned birth* or planned deliver* or vagina* birth* or vagina* deliver* or normal birth* or normal deliver* or natural birth* natural deliver* or VBAC or assisted birth* or assisted deliver* or forceps or vacuum or ventouse)
#9	{or #5-#8}
#10	#4 and #9

G. Foetal monitoring during labour

Review question: What is the most effective method of foetal monitoring during labour in improving outcomes for babies and mothers?

Database: Embase & Medline (Multifile)

Last searched on Embase Classic+Embase 1947 to 2018 September 11, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or monozygotic or dizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic or dichorionic).tw.
5	or/1-4
6	exp fetus monitoring/
7	echocardiography/
8	electrocardiography/ or fetus electrocardiography/
9	Doppler ultrasonography/
10	Doppler echocardiography/
11	Doppler flowmetry/
12	fetus distress/di
13	fetus heart rate/
14	fetus heart/
15	auscultation/ or heart auscultation/
16	obstetric ultrasound transducer/
17	uterine activity monitoring/
18	scalp/ and electrode/
19	(or/6-18) use emczd
20	exp Fetal Monitoring/
21	Echocardiography/
22	Electrocardiography/

EARLY SUBMISSION

#	Searches
23	Cardiotocography/
24	Ultrasonography, Doppler/
25	Fetal Distress/di
26	Heart Rate, Fetal/
27	Fetal Heart/dg
28	Auscultation/ or Heart Auscultation/
29	*Transducers/
30	Uterine Monitoring/
31	Scalp/ and Electrodes/
32	(or/20-31) use ppez
33	19 or 32
34	((f?etal* or f?etu*) adj3 (monitor* or assess* or sampl* or analy* or heart* or distress* or lactat* or electro* or evaluat* or auscultat* or cardiotocogra* or echocardiogra* or electrocardiogra* or fetoscop* or foetoscop* or CTG or EFM or ECG* or EKG or FHR or doppler* or flowmet* or ultraso* or sonogra*)).tw.
35	(scalp* adj3 electrode*).tw.
36	auscultat*.tw.
37	or/33-36
38	5 and 37
39	limit 38 to english language
40	Letter/ use ppez
41	letter.pt. or letter/ use emczd
42	note.pt.
43	editorial.pt.
44	Editorial/ use ppez
45	News/ use ppez
46	exp Historical Article/ use ppez
47	Anecdotes as Topic/ use ppez
48	Comment/ use ppez
49	Case Report/ use ppez
50	case report/ or case study/ use emczd
51	(letter or comment*).ti.
52	or/40-51
53	randomized controlled trial/ use ppez
54	randomized controlled trial/ use emczd
55	random*.ti,ab.
56	or/53-55
57	52 not 56
58	animals/ not humans/ use ppez
59	animal/ not human/ use emczd
60	nonhuman / use emczd
61	exp Animals, Laboratory/ use ppez
62	exp Animal Experimentation/ use ppez
63	exp Animal Experiment/ use emczd
64	exp Experimental Animal/ use emczd
65	exp Models, Animal/ use ppez
66	animal model/ use emczd
67	exp Rodentia/ use ppez
68	exp Rodent/ use emczd
69	(rat or rats or mouse or mice).ti.
70	or/57-69
71	39 not 70
72	remove duplicates from 71
73	Economics/
74	Value of life/
75	exp "Costs and Cost Analysis"/
76	exp Economics, Hospital/
77	exp Economics, Medical/
78	Economics, Nursing/
79	Economics, Pharmaceutical/
80	exp "Fees and Charges"/
81	exp Budgets/
82	(or/73-81) use ppez
83	health economics/
84	exp economic evaluation/
85	exp health care cost/

EARLY SUBMISSION

#	Searches
86	exp fee/
87	budget/
88	funding/
89	(or/83-88) use emczd
90	budget*.ti,ab.
91	cost*.ti.
92	(economic* or pharmaco?economic*).ti.
93	(price* or pricing*).ti,ab.
94	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
95	(financ* or fee or fees).ti,ab.
96	(value adj2 (money or monetary)).ti,ab.
97	or/90-96
98	82 or 89 or 97
99	72 and 98

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or monozygotic or dizygotic) near/3 (birth* or pregnan* or gestation* or foetus* fetus or foetal or fetal))
#3	(chorionicity or monochorionic or dichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Fetal Monitoring] explode all trees
#6	MeSH descriptor: [Echocardiography] this term only
#7	MeSH descriptor: [Electrocardiography] this term only
#8	MeSH descriptor: [Cardiotocography] this term only
#9	MeSH descriptor: [Ultrasonography, Doppler] explode all trees
#10	MeSH descriptor: [Fetal Distress] this term only and with qualifier(s): [Diagnosis - DI, Diagnostic imaging - DG]
#11	MeSH descriptor: [Heart Rate, Fetal] this term only
#12	MeSH descriptor: [Fetal Heart] explode all trees and with qualifier(s): [Diagnostic imaging - DG]
#13	MeSH descriptor: [Auscultation] explode all trees
#14	MeSH descriptor: [Transducers] this term only
#15	MeSH descriptor: [Uterine Monitoring] this term only
#16	MeSH descriptor: [Scalp] this term only
#17	MeSH descriptor: [Electrodes] this term only
#18	#16 and #17
#19	{or #5-#15}
#20	#18 or #19
#21	((foetal* or fetal or foetu* or fetu*) near/3 (monitor* or assess* or sampl* or analy* or heart* or distress* or lactat* or electro* or evaluat* or auscultat* or cardiotocogra* or echocardiogra* or electrocardiogra* or fetoscop* or foetoscop* or CTG or EFM or ECG* or EKG or FHR or doppler* or flowmet* or ultraso* or sonogra*))
#22	(scalp* near/3 electrode*)
#23	{or #20-#22}
#24	#4 and #23

H. Intrapartum care: analgesia and anaesthesia

Review question: What is the optimal method of analgesia and anaesthesia during labour and birth in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on: Embase Classic+Embase 1947 to 2018 September 11, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present.

EARLY SUBMISSION

Last searched: 11 September 2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(chorionicity or monochorionic or dichorionic or trichorionic).tw.
5	or/1-4
6	Labor Pain/
7	exp Delivery, Obstetric/ or exp Labor, Obstetric/ or exp Parturition/
8	or/6-7 use ppez
9	labor pain/
10	exp obstetric delivery/ or exp labor/ or birth/
11	or/9-10 use emczd
12	(deliver* or childbirth or birth* or labo?r* or c?esar* or c-section* or VBAC or forceps or vacuum or ventouse).tw.
13	8 or 11 or 12
14	Pain/pc
15	exp Analgesia/
16	Anesthesia, Obstetrical/
17	exp Anesthesia, Epidural/
18	Analgesics, Opioid/
19	Nitrous Oxide/
20	Bupivacaine/
21	Meperidine/
22	Morphine/
23	Heroin/
24	Transcutaneous Electric Nerve Stimulation/
25	Baths/
26	Water/
27	Immersion/
28	exp Hypnosis/
29	or/14-28 use ppez
30	exp analgesia/
31	anesthesia/
32	anesthetic agent/
33	obstetric anesthesia/
34	epidural anesthesia/
35	narcotic analgesic agent/
36	nitrous oxide/
37	bupivacaine/
38	pethidine/
39	morphine/
40	diamorphine/
41	transcutaneous electrical nerve stimulation/
42	water immersion labor pool/
43	water birth/
44	hypnosis/
45	or/30-44 use emczd
46	(analges* or anaesthe* or anesthe* or pain control* or pain relief or pain relieving or epidural* or spinal or "gas and air" or nitrous oxide or entonox or bupivacain* or meperidin* or morphine or diamorphine or pethidin* or remifentanil).tw.
47	(TENS or electroanalgesi* or ((transcutaneous or cutaneous or percutaneous or transdermal or electric nerve) adj2 stimulation)).tw.
48	(hypnobirth* or hypno-birth* or (hypnoti* adj birth*) or hypnotherap*).tw.
49	(birthing pool* or (birth* adj pool*) or (water adj birth*)).tw.
50	or/46-49
51	29 or 45 or 50
52	5 and 13 and 51
53	limit 52 to english language
54	Letter/ use ppez
55	letter.pt. or letter/ use emczd
56	note.pt.
57	editorial.pt.
58	Editorial/ use ppez
59	News/ use ppez
60	exp Historical Article/ use ppez

EARLY SUBMISSION

#	Searches
61	Anecdotes as Topic/ use ppez
62	Comment/ use ppez
63	Case Report/ use ppez
64	case report/ or case study/ use emczd
65	(letter or comment*).ti.
66	or/54-65
67	randomized controlled trial/ use ppez
68	randomized controlled trial/ use emczd
69	random*.ti,ab.
70	or/67-69
71	66 not 70
72	animals/ not humans/ use ppez
73	animal/ not human/ use emczd
74	nonhuman/ use emczd
75	exp Animals, Laboratory/ use ppez
76	exp Animal Experimentation/ use ppez
77	exp Animal Experiment/ use emczd
78	exp Experimental Animal/ use emczd
79	exp Models, Animal/ use ppez
80	animal model/ use emczd
81	exp Rodentia/ use ppez
82	exp Rodent/ use emczd
83	(rat or rats or mouse or mice).ti.
84	or/71-83
85	53 not 84
86	remove duplicates from 85
87	Economics/
88	Value of life/
89	exp "Costs and Cost Analysis"/
90	exp Economics, Hospital/
91	exp Economics, Medical/
92	Economics, Nursing/
93	Economics, Pharmaceutical/
94	exp "Fees and Charges"/
95	exp Budgets/
96	or/87-95 use ppez
97	health economics/
98	exp economic evaluation/
99	exp health care cost/
100	exp fee/
101	budget/
102	funding/
103	or/97-102 use emczd
104	budget*.ti,ab.
105	cost*.ti.
106	(economic* or pharmaco?economic*).ti.
107	(price* or pricing*).ti,ab.
108	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
109	(financ* or fee or fees).ti,ab.
110	(value adj2 (money or monetary)).ti,ab.
111	or/104-109
112	96 or 103 or 111
113	86 and 112

Database: Cochrane Library

Last searched on The Cochrane Library : Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))

EARLY SUBMISSION

ID	Search
#3	(chorionicity or monochorionic or dichorionic or trichorionic)
#4	{or #1-#3}
#5	MeSH descriptor: [Labor Pain] this term only
#6	MeSH descriptor: [Delivery, Obstetric] explode all trees
#7	MeSH descriptor: [Labor, Obstetric] explode all trees
#8	MeSH descriptor: [Parturition] explode all trees
#9	{or #5-#8}
#10	MeSH descriptor: [Pain] this term only and with qualifier(s): [Prevention & control - PC]
#11	MeSH descriptor: [Analgesia] explode all trees
#12	MeSH descriptor: [Anesthesia, Obstetrical] this term only
#13	MeSH descriptor: [Anesthesia, Epidural] explode all trees
#14	MeSH descriptor: [Analgesics, Opioid] this term only
#15	MeSH descriptor: [Nitrous Oxide] this term only
#16	MeSH descriptor: [Bupivacaine] this term only
#17	MeSH descriptor: [Meperidine] this term only
#18	MeSH descriptor: [Morphine] this term only
#19	MeSH descriptor: [Heroin] this term only
#20	MeSH descriptor: [Transcutaneous Electric Nerve Stimulation] explode all trees
#21	MeSH descriptor: [Baths] this term only
#22	MeSH descriptor: [Water] this term only
#23	MeSH descriptor: [Immersion] this term only
#24	(analges* or anaesthe* or aneste* or pain control* or pain relief or pain relieving or epidural* or spinal or "gas and air" or nitrous oxide or entonox or bupivacain* or meperidin* or morphine or diamorphine or pethidin* or remifentanyl)
#25	(TENS or electroanalgesi* or ((transcutaneous or cutaneous or percutaneous or transdermal or electric nerve) near/2 stimulation))
#26	(hypnobirth* or hypno-birth* or (hypnoti* near birth*) or hypnotherap*)
#27	(birthing pool* or (birth* near pool*) or (water near birth*))
#28	{or #10-#27}
#29	#4 and #9 and #28

I. Managing the third stage of labour to reduce postpartum haemorrhage

Review question: What is the optimal method of managing the third stage of labour to reduce the risk of postpartum haemorrhage (PPH) in twin and triplet pregnancy?

Database: Embase & Medline (Multifile)

Last searched on Embase Classic+Embase 1947 to 2018 September 11, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Last searched: 11 September 2018

	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emczd
3	((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) adj3 (birth* or f?etus* or f?etal or gestation* or pregnan*).tw.
4	(chorionicity or dichorionic or monochorionic or trichorionic).tw.
5	or/1-4
6	((active management or expectant management or physiological management or natural) adj3 ("3rd stage" or "stage 3" or third stage)).tw.
7	(EMTSL or AMTSL).tw.
8	((placenta* or afterbirth) adj3 (separat* or expulsion or expel* or extract* or remov* or push* or pull* or maternal effort)).tw.
9	Oxytocics/ use ppez or Oxytocin/ use ppez or oxytocic agent/ use emczd
10	exp Uterotonic agent/ use emczd

EARLY SUBMISSION

	Searches
11	exp ergot alkaloids/ppez or ergonovine/ use ppez or ergot alkaloid/ use emczd
12	Misoprostol/ use ppez or Carboprost/ use ppez or carboprost/ use emczd or misoprostol/ use emczd
13	(carboprost* or ergometrin* or ergonovin* or ergot alkaloid* or misoprostol* or oxytoci* or uterotonic*).tw.
14	(cord clamping or cord-clamping or cordclamping or cord traction or cord cutting).tw.
15	Postpartum Hemorrhage/pc use ppez or postpartum hemorrhage/pc use emczd
16	((postpartu* or post partu* or excessive or high or severe) adj3 (blood* or bleed* or haemorrhag* or hemorrhag*) adj3 prevent*).tw.
17	or/6-16
18	5 and 17
19	Letter/ use ppez
20	letter.pt. or letter/ use emczd
21	note.pt.
22	editorial.pt.
23	Editorial/ use ppez
24	News/ use ppez
25	exp Historical Article/ use ppez
26	Anecdotes as Topic/ use ppez
27	Comment/ use ppez
28	Case Report/ use ppez
29	case report/ or case study/ use emczd
30	(letter or comment*).ti.
31	or/19-30
32	randomized controlled trial/ use ppez
33	randomized controlled trial/ use emczd
34	random*.ti,ab.
35	or/32-34
36	31 not 35
37	animals/ not humans/ use ppez
38	animal/ not human/ use emczd
39	nonhuman/ use emczd
40	exp Animals, Laboratory/ use ppez
41	exp Animal Experimentation/ use ppez
42	exp Animal Experiment/ use emczd
43	exp Experimental Animal/ use emczd
44	exp Models, Animal/ use ppez
45	animal model/ use emczd
46	exp Rodentia/ use ppez
47	exp Rodent/ use emczd
48	(rat or rats or mouse or mice).ti.
49	or/36-48
50	18 not 49
51	limit 50 to english language
52	Economics/
53	Value of life/
54	exp "Costs and Cost Analysis"/
55	exp Economics, Hospital/
56	exp Economics, Medical/
57	Economics, Nursing/
58	Economics, Pharmaceutical/
59	exp "Fees and Charges"/
60	exp Budgets/
61	(or/52-60) use ppez
62	health economics/
63	exp economic evaluation/
64	exp health care cost/
65	exp fee/
66	budget/
67	funding/
68	(or/62-67) use emczd
69	budget*.ti,ab.
70	cost*.ti.
71	(economic* or pharmaco?economic*).ti.
72	(price* or pricing*).ti,ab.
73	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
74	(financ* or fee or fees).ti,ab.

EARLY SUBMISSION

	Searches
75	(value adj2 (money or monetary)).ti,ab.
76	or/69-74
77	61 or 68 or 76
78	51 and 77
79	remove duplicates from 78

Database: Cochrane Library

Last searched on The Cochrane Library: Issue 9 of 12, September 2018 (via Wiley Online).

Last searched: 11 September 2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) near/3 (birth* or pregnan* or gestation* or foetus* or foetal or fetus* or fetal))
#3	(chorionicity or monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	MeSH descriptor: [Labor Stage, Third] this term only
#6	MeSH descriptor: [Labor, Obstetric] this term only
#7	MeSH descriptor: [Delivery, Obstetric] explode all trees
#8	MeSH descriptor: [Parturition] explode all trees
#9	((("3rd stage" or active or expectant or final stage or intra partu* or intrapartu* or last stage or partu* or physiologic* or "stage 3" or third stage) near/3 (birth* or csection* or c-section* or c?ear* or childbirth or deliver* or labor* or labour* or parturition* or VBAC))
#10	((active or expectant or physiologic*) near/3 manag*)
#11	(deliver* near/3 (placenta* or membrane*))
#12	{or #5-#11}
#13	#4 and #12
#14	((active management or expectant management or physiological management or natural) near/3 ("3rd stage" or "stage 3" or third stage))
#15	(EMTSL or AMTSL)
#16	((placenta* or afterbirth) near/3 (separat* or expulsion or expel* or extract* or push* or pull* or remov* or maternal effort))
#17	MeSH descriptor: [Oxytocics] this term only
#18	MeSH descriptor: [Oxytocin] this term only
#19	MeSH descriptor: [Ergot Alkaloids] explode all trees
#20	MeSH descriptor: [Misoprostol] this term only
#21	MeSH descriptor: [Carboprost] this term only
#22	(carboprost* or ergometrine* or ergonovine* or ergot alkaloids or misoprostol* or oxytoci* or uterotonic*)
#23	(cord clamping or cord-clamping or cordclamping or cord traction or cord cutting) .tw.
#24	MeSH descriptor: [Postpartum Hemorrhage] this term only and with qualifier(s): [Prevention & control - PC]
#25	((postpartu* or post partu* or excessive or high or severe) near/3 (blood* or bleed* or haemorrhag* or hemorrhag*) near/3 prevent*)
#26	{or #14-#25}
#27	#13 and #26

J. Managing the timing of birth according to amnionicity

Review question: What is the incidence of stillbirth, neonatal death and morbidity by gestational age in monochorionic/dichorionic twin and all triplet pregnancies according to amnionicity?

Database: Embase & Medline (Multifile)

Last searched on Embase 1980 to 2018 Week 45, Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to November 05, 2018

EARLY SUBMISSION

Last searched 06/11/2018

#	Searches
1	exp Pregnancy, Multiple/ use ppez
2	exp multiple pregnancy/ use emez
3	((multiple* or twin* or triplet* or monozygotic or dizygotic or trizygotic) adj3 (birth* or pregnan* or gestation* or f?etus* or f?etal)).tw.
4	(monochorionic* or dichorionic* or trichorionic*).tw.
5	or/1-4
6	(monoamnio* or diamnio* or triamnio* or (amnio* and chorio*)).tw.
7	((amnio* or membrane* or placenta*) adj2 (share* or sharing)).tw.
8	6 or 7
9	5 and 8
10	exp Delivery, Obstetric/
11	exp Labor, Obstetric/
12	exp Parturition/
13	exp Obstetric Labor, Premature/
14	Stillbirth/
15	Pregnancy Outcome/
16	(or/10-15) use ppez
17	labor onset/
18	exp obstetric delivery/
19	exp childbirth/
20	birth/
21	exp "immature and premature labor"/
22	stillbirth/
23	pregnancy outcome/
24	(or/17-23) use emez
25	(deliver* or childbirth* or birth* or labo?r* or parturition or stillbirth* or outcome*).tw.
26	16 or 24 or 25
27	Letter/ use ppez
28	letter.pt. or letter/ use emez
29	note.pt.
30	editorial.pt.
31	Editorial/ use ppez
32	News/ use ppez
33	exp Historical Article/ use ppez
34	Anecdotes as Topic/ use ppez
35	Comment/ use ppez
36	Case Report/ use ppez
37	case report/ or case study/ use emez
38	(letter or comment*).ti.
39	or/27-38
40	randomized controlled trial/ use ppez
41	randomized controlled trial/ use emez
42	random*.ti,ab.
43	or/40-42
44	39 not 43
45	animals/ not humans/ use ppez
46	animal/ not human/ use emez
47	nonhuman/ use emez
48	exp Animals, Laboratory/ use ppez
49	exp Animal Experimentation/ use ppez
50	exp Animal Experiment/ use emez
51	exp Experimental Animal/ use emez
52	exp Models, Animal/ use ppez
53	animal model/ use emez
54	exp Rodentia/ use ppez
55	exp Rodent/ use emez
56	(rat or rats or mouse or mice).ti.
57	or/44-56
58	9 and 26
59	58 not 57
60	limit 59 to english language
61	remove duplicates from 60

EARLY SUBMISSION

Database: Cochrane Library (via Wiley Online)

Last searched on The Cochrane Library, issue 11 of 12, November 2018: Cochrane Database of Systematic Reviews (CDSR), issue 11 of 12, November 2018; Cochrane Central Register of Controlled Trials (CCTR): issue 10 of 12, October 2018

Last searched: 01/11/2018

ID	Search
#1	MeSH descriptor: [Pregnancy, Multiple] explode all trees
#2	((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) near/3 (birth* or foetus* or foetal or fetus* or fetal or gestation* or pregnan*))
#3	(monochorionic* or dichorionic* or trichorionic*)
#4	{or #1-#3}
#5	(monoamnio* or diamnio* or triamnio* or (amnio* and chorio*))
#6	((amnio* or membrane* or placenta*) near/2 (share* or sharing))
#7	#5 or #6
#8	#4 and #7
#9	MeSH descriptor: [Labor, Obstetric] explode all trees
#10	MeSH descriptor: [Delivery, Obstetric] explode all trees
#11	MeSH descriptor: [Parturition] explode all trees
#12	MeSH descriptor: [Obstetric Labor, Premature] explode all trees
#13	MeSH descriptor: [Stillbirth] this term only
#14	MeSH descriptor: [Pregnancy Outcome] this term only
#15	(birth* or childbirth* or deliver* or labor* or labour* or parturition* or stillbirth* or outcome*)
#16	{or #9-#15}
#17	#8 and #16

Database: DARE, HTA and NHSEED (via NIHR Centre for Reviews and Dissemination)

Last searched on Database of Abstracts of Reviews of Effects (DARE), Health Technology Assessment Database (HTA) and the NHS Economic Evaluation Database (NHS EED)

Last searched: 01/11/2018

1	MeSH DESCRIPTOR Pregnancy, Multiple EXPLODE ALL TREES
2	((monochorionic* or dichorionic* or trichorionic*)) IN DARE, NHSEED, HTA
3	(((((dizygotic or monozygotic or multiple or triplet* or trizygotic or twin) near3 (birth* or foetus* or foetal or fetus* or fetal or gestation* or pregnan*)))) IN DARE, NHSEED, HTA
4	#1 OR #2 OR #3
5	((monoamnio* or diamnio* or triamnio* or (amnio* and chorio*))) IN DARE, NHSEED, HTA
6	((amnio* or membrane* or placenta*) near2 (share* or sharing)) IN DARE, NHSEED, HTA
7	#5 OR #6
8	#4 AND #7