

Supplementary Information: Search Strategies COHESION Study

MEDLINE search for randomised trials

Category	Search Term	Number (#)
<i>Condition</i>	Brain Ischemia/	#1
	Hypoxia, Brain/	#2
	Hypoxia Ischemia, Brain/	#3
	Hypoxi* isch*mi* encephalopathy.mp.	#4
	hypoxia brain.mp.	#5
	encephalopathy.mp.	#6
	cerebral isch*mia.mp.	#7
	cerebral hypoxia.mp.	#8
	perinatal asphyxia.mp.	#9
	perinatal hypoxic isch*mic encephalopathy.mp.	#10
	asphyxia neonatorum/	#11
	exp Anoxia/	#12
	exp Hypothermia, Induced/	#13
	exp hypothermia/	#14
	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14	#15
<i>Patient</i>	exp infant, newborn/	#16
	newborn*.ti,ab.	#17
	new born*.ti,ab.	#18
	newly born.ti,ab.	#19
	baby*.ti,ab.	#20
	babies.ti,ab.	#21
	premature.ti,ab.	#22
	prematurity.ti,ab.	#23
	preterm.ti,ab.	#24

	pre term.ti,ab.	#25
	low birth weight.ti,ab.	#26
	VLBW.ti,ab.	#27
	LBW.ti,ab.	#28
	infant*.ti,ab.	#29
	infantile.ti,ab.	#30
	infancy.ti,ab.	#31
	neonat*.ti,ab.	#32
	#16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32	#33
<i>Design</i>	randomized controlled trial.pt.	#34
	controlled clinical trial.pt.	#35
	randomized.ab.	#36
	placebo.ab.	#37
	clinical trials as topic.sh.	#38
	randomly.ab.	#39
	trial.ti.	#40
	#34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40	#41
	exp animals/ NOT humans.sh.	#42
	#41 NOT #42	#43
	#15 AND #33 AND #43	#44

MEDLINE search for systematic reviews

Category	Search Term	Number (#)
<i>Condition</i>	Brain Ischemia/	#1
	Hypoxia, Brain/	#2
	Hypoxia Ischemia, Brain/	#3
	hypoxia isch*mia encephalopathy.mp.	#4
	hypoxic isch*mic encephalopathy.mp.	#5
	hypoxia brain.mp.	#6
	encephalopathy.mp.	#7
	cerebral isch*mia.mp.	#8
	cerebral hypoxia.mp.	#9
	perinatal asphyxia.mp.	#10
	perinatal hypoxic isch*mic encephalopathy.mp.	#11
	Asphyxia neonatorum/	#12
	exp Anoxia/	#13
	exp Hypothermia, Induced/	#14
	exp hypothermia/	#15
	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15	#16
<i>Patient</i>	exp infant, newborn/	#17
	newborn*.ti,ab.	#18
	new born.ti,ab.	#19
	new borns.ti,ab.	#20
	newly born.ti,ab.	#21
	baby*.ti,ab.	#22
	babies.ti,ab.	#23
	premature.ti,ab.	#24
	prematurity.ti,ab.	#25
	preterm.ti,ab.	#26
	pre term.ti,ab.	#27
	low birth weight.ti,ab.	#28
	VLBW.ti,ab.	#29
	LBW.ti,ab.	#30
	infant.ti,ab.	#31
	infant s.ti,ab.	#32
	infants.ti,ab.	#33
	infantile.ti,ab.	#34
	infancy.ti,ab.	#35
#17 OR #18 OR #19 OR #20 OR 21 OR #22 OR #23 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR	#36	

	#32 OR #33 OR #34 OR #35	
<i>Design</i>	Meta-Analysis as Topic.d.sh.	#37
	meta analy\$.tw.	#38
	metaanaly\$.tw.	#39
	Meta-Analysis.d.sh.	#40
	(systematic adj (review\$1 or overview\$1)).tw.	#41
	exp Review Literature as Topic.d.sh.	#42
	OR/#37-#42	#43
	cochrane.ab.	#44
	embase.ab.	#45
	(psychlit or psyclit).ab.	#46
	(psychinfo or psycinfo).ab.	#47
	(cinahl or cinhal).ab.	#48
	science citation index.ab.	#49
	bids.ab.	#50
	cancerlit.ab.	#51
	OR/#44-#51	#52
	reference list\$.ab.	#53
	bibliograph\$.ab.	#54
	hand-search\$.ab.	#55
	relevant journals.ab.	#56
	manual search\$.ab.	#57
	OR/#53-#57	#58
	selection criteria.ab.	#59
	data extraction.ab.	#60
	#59 OR #60	#61
	Review.d.sh.	#62
	#61 AND #62	#63
	Comment.d.sh.	#64
	Letter.d.sh.	#65
	Editorial.d.sh.	#66
	Animal.d.sh.	#67
	Human.d.sh.	#68
	#67 NOT (#67 and #68)	#69
OR/#65-#66,#69	#70	
#43 OR #52 OR #58 OR #63	#71	
#71 NOT #70	#72	
#16 AND #36 AND #72	#73	

Embase search for randomised trials

Category	Search Term	Number (#)
<i>Condition</i>	'Brain Ischemia'/de	#1
	'Hypoxia, Brain'/de	#2
	'Hypoxia Ischemia, Brain'/de	#3
	'Hypoxi* isch*mi* encephalopathy'	#4
	'hypoxia brain'	#5
	'encephalopathy'	#6
	'cerebral isch*mia'	#7
	'cerebral hypoxia'	#8
	'perinatal asphyxia'	#9
	'perinatal hypoxic isch*mic encephalopathy'	#10
	'asphyxia neonatorum'/de	#11
	'Anoxia'/exp	#12
	'Hypothermia, Induced'/exp	#13
	'hypothermia'/exp	#14
	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14	#15
<i>Patient</i>	'infant, newborn'/exp	#16
	'newborn*':ab,ti	#17
	'new born*':ab,ti	#18
	'newly born':ab,ti	#19
	'baby*':ab,ti	#20
	'babies':ab,ti	#21
	'premature':ab,ti	#22
	'prematurity':ab,ti	#23
	'preterm':ab,ti	#24
	'pre term':ab,ti	#25
	'low birth weight':ab,ti	#26
	'VLBW':ab,ti	#27
	'LBW':ab,ti	#28
	'infant*':ab,ti	#29
	'infantile':ab,ti	#30
	'infancy':ab,ti	#31
	'neonat*':ab,ti	#32

	#16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32	#33
<i>Design</i>	'randomized controlled trial'	#34
	'controlled clinical trial'	#35
	'randomized':ab	#36
	'placebo':ab	#37
	'clinical trials as topic'/de	#38
	'randomly':ab	#39
	'Trial'	#40
	#34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40	#41
animals NOT 'humans'/exp	#42	
	#41 NOT #42	#43
	#15 AND #33 AND #43	#44

Embase search for systematic reviews

Category	Search Term	Number (#)
<i>Condition</i>	'Brain Ischemia'/de	#1
	'Hypoxia, Brain'/de	#2
	'Hypoxia Ischemia, Brain'/de	#3
	'Hypoxi* isch*mi* encephalopathy'	#4
	'hypoxia brain'	#5
	'encephalopathy'	#6
	'cerebral isch*mia'	#7
	'cerebral hypoxia'	#8
	'perinatal asphyxia'	#9
	'perinatal hypoxic isch*mic encephalopathy'	#10
	'asphyxia neonatorum'/de	#11
	'Anoxia'/exp	#12
	'Hypothermia, Induced'/exp	#13
	'hypothermia'/exp	#14
#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14	#15	
<i>Patient</i>	'infant, newborn'/exp	#16
	'newborn*':ab,ti	#17
	'new born*':ab,ti	#18

	'newly born':ab,ti	#19
	'baby*':ab,ti	#20
	'babies':ab,ti	#21
	'premature':ab,ti	#22
	'prematurity':ab,ti	#23
	'preterm':ab,ti	#24
	'pre term':ab,ti	#25
	'low birth weight':ab,ti	#26
	'VLBW':ab,ti	#27
	'LBW':ab,ti	#28
	'infant*':ab,ti	#29
	'infantile':ab,ti	#30
	'infancy':ab,ti	#31
	'neonat*':ab,ti	#32
	#16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32	#33
<i>Design</i>	'Meta Analysis'/exp	#34
	(meta NEAR/2 analy\$):ab,ti,tn	#35
	metaanalys\$:ab,ti,tn	#36
	(systematic NEAR/2 review\$):ab,ti,tn	#37
	(systematic NEAR/2 overview\$):ab,ti,tn	#38
	Or/#34-38	#39
	cancerlit:ab	#40
	Cochrane:ab	#41
	Embase:ab	#42
	(psychlit or psyclit):ab	#43
	(psychinfo or psycinfo):ab	#44
	(cinahl or cinhal):ab	#45
	'science citation index':ab	#46
	Bids:ab	#47
	Or/#40-#47	#48
	reference lists:ab	#49
	bibliograph\$:ab	#50
	'hand-search\$':ab	#51
	'manual search\$':ab	#52
	'relevant journals':ab	#53
	Or/#49-#53	#54
	'data extraction':ab	#55
	'selection criteria':ab	#56
#55 or #56	#57	
'Review'/it.	#58	
#57 and #58	#59	

	'Letter'/it	#60
	'Editorial'/it	#61
	'animal'/de	#62
	'human'/de	#63
	#62 not (#62 and #63)	#64
	or/#60-#61,#64	#65
	#39 or #48 or #54 or #59	#66
	#66 not #65	#67
	#15 AND #33 AND #67	#68

Cochrane CENTRAL

Category	Search Term	Number (#)
<i>Condition</i>	MeSH descriptor: [Brain Ischemia] this term only	#1
	Hypoxia, Brain/	#2
	Hypoxia Ischemia, Brain/	#3
	Hypoxi* isch*mi* encephalopathy.mp.	#4
	hypoxia brain.mp.	#5
	encephalopathy.mp.	#6
	cerebral isch*mia.mp.	#7
	cerebral hypoxia.mp.	#8
	perinatal asphyxia.mp.	#9
	perinatal hypoxic isch*mic encephalopathy.mp.	#10
	asphyxia neonatorum/	#11
	exp Anoxia/	#12
	exp Hypothermia, Induced/	#13
	exp hypothermia/	#14
#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14	#15	
<i>Patient</i>	MESH DESCRIPTOR Infant, Newborn EXPLODE ALL AND CENTRAL:TARGET	#16
	Infant:ti,ab,kw	#17
	infants	#18
	infant's	#19
	"infant s"	#20
	infantile	#21
infancy	#22	

	newborn*	#23
	"new born"	#24
	"new borns"	#25
	"newly born"	#26
	neonat*	#27
	baby*	#28
	babies	#29
	premature	#30
	prematures	#31
	prematurity	#32
	preterm	#33
	preterms	#34
	"pre term"	#35
	premies	#36
	"low birth weight"	#37
	"low birthweight"	#38
	VLBW	#39
	LBW	#40
	ELBW	#41
	NICU	#42
	OR #16-#42	#43
<i>Design</i>	randomized controlled trial.pt.	#44
	controlled clinical trial.pt.	#45
	randomized.ab.	#46
	placebo.ab.	#47
	clinical trials as topic.sh.	#48
	randomly.ab.	#49
	trial.ti.	#50
	#44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50	#51
exp animals/ NOT humans.sh.	#52	
	#51 NOT #52	#53
	#15 AND #43 AND #53	#54

Cochrane Database of Systematic Reviews (CDSR)

Category	Search Term	Number (#)
<i>Condition</i>	MeSH descriptor: [Brain Ischemia] this term only	#1
	Hypoxia, Brain/	#2
	Hypoxia Ischemia, Brain/	#3

	Hypoxi* isch*mi*encephalopathy.mp.	#4
	hypoxia brain.mp.	#5
	encephalopathy.mp.	#6
	cerebral isch*mia.mp.	#7
	cerebral hypoxia.mp.	#8
	perinatal asphyxia.mp.	#9
	perinatal hypoxic isch*mic encephalopathy.mp.	#10
	asphyxia neonatorum/	#11
	exp Anoxia/	#12
	exp Hypothermia, Induced/	#13
	exp hypothermia/	#14
	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14	#15
<i>Patient</i>	MESH DESCRIPTOR Infant, Newborn EXPLODE ALL AND CENTRAL:TARGET	#16
	Infant:ti,ab,kw	#17
	infants	#18
	infant's	#19
	"infant s"	#20
	infantile	#21
	infancy	#22
	newborn*	#23
	"new born"	#24
	"new borns"	#25
	"newly born"	#26
	neonat*	#27
	baby*	#28
	babies	#29
	premature	#30
	prematures	#31
	prematurity	#32
	preterm	#33
	preterms	#34
	"pre term"	#35
premies	#36	
"low birth weight"	#37	
"low birthweight"	#38	
VLBW	#39	
LBW	#40	

	ELBW	#41
	NICU	#42
	OR #16-#42	#43
	#15 AND #43	#44