Forest plots of Comparisons 1-5. *Please note: Forest plots have been presented only for outcomes that were reported by more than one study

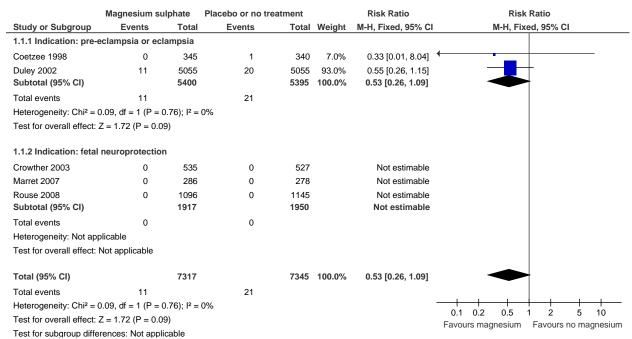


Figure A1. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.1 Death

N	/lagnesium su	Iphate	Placebo or no trea	tment		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixed, 95% CI
1.2.1 Indication: pre-ecla	ampsia or ecl	ampsia					
Duley 2002	4	5055	5	5055	100.0%	0.80 [0.21, 2.98]	 -
Subtotal (95% CI)		5055		5055	100.0%	0.80 [0.21, 2.98]	
Total events	4		5				
Heterogeneity: Not applic	able						
Test for overall effect: Z =	0.33 (P = 0.7	4)					
1.2.2 Indication: fetal ne	uroprotection	1					
Crowther 2003	0	535	0	527		Not estimable	
Marret 2007	0	286	0	278		Not estimable	
Rouse 2008	0	1096	0	1145		Not estimable	
Subtotal (95% CI)		1917		1950		Not estimable	
Total events	0		0				
Heterogeneity: Not applic	able						
Test for overall effect: Not	t applicable						
Total (95% CI)		6972		7005	100.0%	0.80 [0.21, 2.98]	
Total events	4		5				
Heterogeneity: Not applic	able						
Test for overall effect: Z =	0.33 (P = 0.7	4)					0.01 0.1 1 10 100 Favours magnesium Favours no magnesium
Test for subgroup differen	nces: Not appli	cable					i avours magnesium - Favours no magnesium

Figure A2. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.2 Cardiac arrest

	Magnesium su	Iphate	Placebo or no tre	atment		Risk Ratio		Risk Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	l	M-H, Fixed, 95% CI	
1.3.1 Indication: pre-e	eclampsia or ecl	ampsia							
Duley 2002	5	5055	2	5055	100.0%	2.50 [0.49, 12.88]			
Subtotal (95% CI)		5055		5055	100.0%	2.50 [0.49, 12.88]			
Total events	5		2						
Heterogeneity: Not app	olicable								
Test for overall effect: 2	Z = 1.10 (P = 0.2	7)							
1.3.2 Indication: fetal	neuroprotection	1							
Crowther 2003	0	535	0	527		Not estimable			
Marret 2007	0	286	0	278		Not estimable			
Rouse 2008	0	1096	0	1145		Not estimable			
Subtotal (95% CI)		1917		1950		Not estimable			
Total events	0		0						
Heterogeneity: Not app	olicable								
Test for overall effect: I	Not applicable								
Total (95% CI)		6972		7005	100.0%	2.50 [0.49, 12.88]			-
Total events	5		2						
Heterogeneity: Not app	olicable						0.04		10 100
Test for overall effect: 2	Z = 1.10 (P = 0.2	7)					0.01 0.1 Favours ma		10 100 no magnesium
Test for subgroup diffe	rences: Not appli	cable					i avouis ilia	agricolarii Tavoulo II	io magnesium

Test for subgroup differences: Not applicable

Figure A3. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.3 Respiratory arrest

	Magnesium su	ılphate	Placebo or no tre	eatment		Risk Ratio		Risk	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI		M-H, Fixed, 95% Cl		
1.4.1 Indication: pre-e	clampsia or ec	lampsia								
Duley 2002	317	5055	118	5055	72.5%	2.69 [2.18, 3.31]			-	-
Witlin 1996	1	67	0	68	0.3%	3.04 [0.13, 73.42]	+		 	
Subtotal (95% CI)		5122		5123	72.8%	2.69 [2.18, 3.31]			│ ◆	•
Total events	318		118							
Heterogeneity: Chi ² = 0	0.01, df = 1 (P =	0.94); $I^2 = 0$	%							
Test for overall effect: 2	Z = 9.35 (P < 0.0)	0001)								
1.4.2 Indication: fetal	neuroprotection	n								
Crowther 2003	78	535	28	527	17.3%	2.74 [1.81, 4.15]				
Rouse 2008	45	1078	16	1125	9.6%	2.94 [1.67, 5.16]				
Subtotal (95% CI)		1613		1652	26.9%	2.81 [2.01, 3.93]				>
Total events	123		44							
Heterogeneity: Chi ² = 0	0.04, df = 1 (P =	0.85); $I^2 = 0$	%							
Test for overall effect: 2	Z = 6.06 (P < 0.0)	0001)								
1.4.3 Indication: tocol	ysis									
Cox 1990	8	76	0	80	0.3%	17.88 [1.05, 304.57]				
Subtotal (95% CI)		76		80	0.3%	17.88 [1.05, 304.57]				
Total events	8		0							
Heterogeneity: Not app	licable									
Test for overall effect: 2	Z = 1.99 (P = 0.0	5)								
Total (95% CI)		6811		6855	100.0%	2.77 [2.32, 3.30]			•	•
Total events	449		162							
Heterogeneity: Chi ² = 1	.79, df = 4 (P =	0.77); I ² = 0	%						+ +	<u> </u>
Test for overall effect: 2	Z = 11.36 (P < 0.	00001)					0.2	0.5	1 2 Favours no ma	5
Test for subgroup differ	rences Chi ² = 1	74. df = 2 (P = 0.42), I ² = 0%				ravou	is magnesium	ravours no ma	ignesiur

Test for subgroup differences: Chi² = 1.74, df = 2 (P = 0.42), l² = 0%

Figure A4. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.4 Discontinuation due to adverse effects

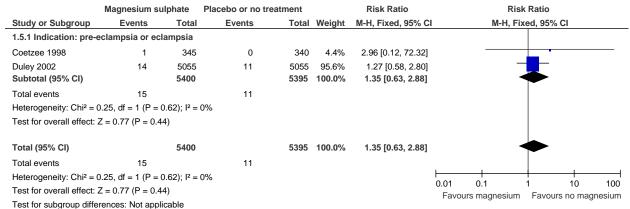


Figure A5. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.5 Given calcium gluconate

1	Magnesium su	lphate	Placebo or no tre	atment		Risk Ratio		Risl	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C		M-H, Fix	red, 95% CI	
1.6.1 Indication: pre-ec	lampsia or ecla	ampsia						_		
Duley 2002	83	5055	86	5055	100.0%	0.97 [0.72, 1.30]				
Subtotal (95% CI)		5055		5055	100.0%	0.97 [0.72, 1.30]		•	•	
Total events	83		86							
Heterogeneity: Not applic	cable									
Test for overall effect: Z	= 0.23 (P = 0.82	2)								
1.6.2 Indication: fetal ne	europrotection	ı								
Crowther 2003	0	535	0	527		Not estimable				
Subtotal (95% CI)		535		527		Not estimable				
Total events	0		0							
Heterogeneity: Not applic	cable									
Test for overall effect: No	ot applicable									
Total (95% CI)		5590		5582	100.0%	0.97 [0.72, 1.30]		•	•	
Total events	83		86							
Heterogeneity: Not applic	cable						0.04	0.1	1 10	100
Test for overall effect: Z :	= 0.23 (P = 0.82	2)					0.01 Favo	urs magnesium	1 10 Favours no m	100
Test for subgroup differe	nces: Not appli	cable					i avu	uis magnesium	1 440413 110 111	agnesium

Figure A6. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.6 ICU admission

	Magnesium su	lphate	Placebo or no tre	atment		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	I M-H, Random, 95% CI
1.7.1 Indication: pre-	eclampsia or ecl	ampsia					
Duley 2002 Subtotal (95% CI)	1201	4999 4999	228	4993 4993	31.8% 31.8%	5.26 [4.59, 6.03] 5.26 [4.59, 6.03]	
Total events	1201		228		011070	0.20[00, 0.00]	'
Heterogeneity: Not ap			220				
Test for overall effect:	•	00001)					
1.7.2 Indication: fetal	I neuroprotection	1					
Crowther 2003	476	535	199	527	31.9%	2.36 [2.10, 2.64]	
Rouse 2008	833	1078	140	1125	31.6%	6.21 [5.30, 7.27]	•
Subtotal (95% CI)		1613		1652	63.6%	3.82 [1.38, 10.59]	•
Total events	1309		339				
Heterogeneity: Tau ² =	0.54; Chi ² = 109.	57, df = 1	$(P < 0.00001); I^2 = 9$	99%			
Test for overall effect:	Z = 2.58 (P = 0.0)	1)					
1.7.3 Indication: toco	olysis						
Ma 1992	11	30	0	35	4.6%	26.71 [1.64, 435.03]	
Subtotal (95% CI)		30		35	4.6%	26.71 [1.64, 435.03]	
Total events	11		0				
Heterogeneity: Not ap	plicable						
Test for overall effect:	Z = 2.31 (P = 0.02)	2)					
Total (95% CI)		6642		6680	100.0%	4.62 [2.42, 8.83]	•
Total events	2521		567				
Heterogeneity: Tau ² =	0.34; Chi ² = 146.	15, df = 3	$(P < 0.00001); I^2 = 1$	98%			0.002 0.1 1 10 500
Test for overall effect:	Z = 4.64 (P < 0.00)	0001)					Favours magnesium Favours no magnesium
Test for subgroup diffe			(P = 0.43), I ² = 0%	. !	. . 4 .	nlaaaha/na	

Figure A7. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.7 Any adverse effects

	Magnesium su	ılphate	Placebo or no treat	ment		Risk Ratio	Risk	Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fix	ed, 95% CI
1.8.1 Indication: pre-	eclampsia or ec	lampsia						
Coetzee 1998	1	345	0	340	0.6%	2.96 [0.12, 72.32]		
Duley 2002	51	4999	26	4993	32.0%	1.96 [1.22, 3.14]		-
Subtotal (95% CI)		5344		5333	32.6%	1.98 [1.24, 3.15]		•
Total events	52		26					
Heterogeneity: Chi ² = 0	0.06, df = 1 (P =	0.80); I ² =	0%					
Test for overall effect:	Z = 2.87 (P = 0.0	04)						
1.8.2 Indication: fetal	l neuroprotection	n						
Crowther 2003	54	535	51	527	63.2%	1.04 [0.73, 1.50]	-	
Rouse 2008	7	1078	3	1125	3.6%	2.44 [0.63, 9.39]	-	 •
Subtotal (95% CI)		1613		1652	66.8%	1.12 [0.79, 1.59]		♦
Total events	61		54					
Heterogeneity: Chi ² =	1.42, df = 1 (P =	0.23); I ² =	29%					
Test for overall effect:	Z = 0.63 (P = 0.5)	3)						
1.8.3 Indication: toco	olysis							
Cox 1990	1	76	0	80	0.6%	3.16 [0.13, 76.30]		<u>.</u>
Subtotal (95% CI)		76		80	0.6%	3.16 [0.13, 76.30]		
Total events	1		0					
Heterogeneity: Not app	plicable							
Test for overall effect:	Z = 0.71 (P = 0.4)	8)						
Total (95% CI)		7033		7065	100.0%	1.41 [1.07, 1.86]		♦
Total events	114		80					
Heterogeneity: Chi ² =	5.60, df = 4 (P =	0.23); I ² =	29%				0.005 0.1	1 10 200
Test for overall effect:	Z = 2.44 (P = 0.0	1)					0.005 0.1 Favours magnesium	1 10 200 Favours no magnesium
Test for subgroup diffe	erences: Chi ² = 3.	95, df = 2	(P = 0.14), I ² = 49.4%				i avours magnesium	i avours no magnesium

Test for subgroup differences: Chi² = 3.95, df = 2 (P = 0.14), l² = 49.4%

Figure A8. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.8 Respiratory depression or other respiratory problems

	Magnesium su	Ilphate	Placebo or no trea	atment		Risk Ratio		ı	Risk Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	l	M-H,	Fixed, 95%	% CI	
1.9.1 Indication: pre-	eclampsia or ecl	ampsia									
Coetzee 1998	1	345	0	340	0.8%	2.96 [0.12, 72.32]					
Duley 2002	59	4999	60	4993	97.5%	0.98 [0.69, 1.40]					
Subtotal (95% CI)		5344		5333	98.4%	1.00 [0.70, 1.42]			•		
Total events	60		60								
Heterogeneity: Chi ² =	0.45, df = 1 (P = 0	0.50); I ² =	0%								
Test for overall effect:	Z = 0.01 (P = 0.9)	9)									
1.9.2 Indication: fetal	l neuroprotection	n									
Marret 2007	2	286	1	278	1.6%	1.94 [0.18, 21.32]			-		
Subtotal (95% CI)		286		278	1.6%	1.94 [0.18, 21.32]		-			
Total events	2		1								
Heterogeneity: Not ap	plicable										
Test for overall effect:	Z = 0.54 (P = 0.5	9)									
Total (95% CI)		5630		5611	100.0%	1.01 [0.71, 1.44]			•		
Total events	62		61								
Heterogeneity: Chi ² =	0.74, df = 2 (P = 0	0.69); I ² =	0%				0.04			+	100
Test for overall effect:	Z = 0.08 (P = 0.9	4)					0.01	0.1	1 .m Favor	10	100
Test for subgroup diffe	erences: Chi² = 0.	29, df = 1	(P = 0.59), I ² = 0%				ravoi	urs magnesii	uiii Favol	urs no mag	Ji iesiuiii

Test for subgroup differences: Chi² = 0.29, df = 1 (P = 0.59), I² = 0%

Figure A9. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.9 Absent or reduced tendon reflexes

	Magnesium su	ılphate	Placebo or no tre	eatment		Risk Ratio		Risk	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C		M-H, Fix	ed, 95% CI	
1.10.1 Indication: pre	e-eclampsia or e	clampsia								
Coetzee 1998	1	345	0	340	50.2%	2.96 [0.12, 72.32]			-	
Duley 2002	4	4999	0	4993	49.8%	8.99 [0.48, 166.92]		_		→
Livingston 2003	0	109	0	113		Not estimable				
Subtotal (95% CI)		5453		5446	100.0%	5.96 [0.72, 49.40]		-		
Total events	5		0							
Heterogeneity: Chi² =	0.26, df = 1 (P =	0.61); l ² =	0%							
Test for overall effect:	Z = 1.66 (P = 0.1	0)								
Total (95% CI)		5453		5446	100.0%	5.96 [0.72, 49.40]		-		_
Total events	5		0							
Heterogeneity: Chi ² =	0.26, df = 1 (P =	0.61); I ² =	0%				-		+ +	100
Test for overall effect:	Z = 1.66 (P = 0.1	0)					0.01	0.1 urs magnesium	1 10 Favours no m	100
Test for subgroup diffe	erences. Not appl	icable					ravo	urs magnesium	1 440415 110 111	ayııcılulli

Figure A10. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.10 Respiratory depression and absent reflexes

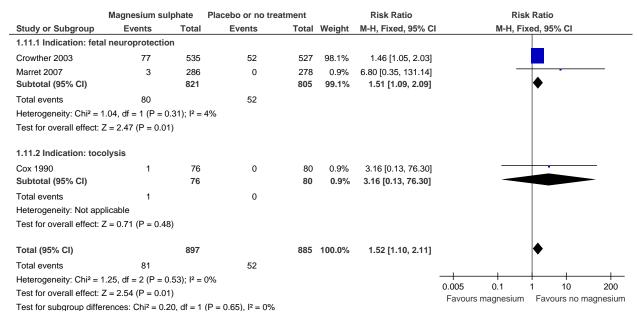


Figure A11. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.11 Hypotension

	Magnesium su	Ilphate	Placebo or no tre	atment		Risk Ratio	Risk Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	M-H, Random, 95% CI	
1.13.1 Indication: pre	e-eclampsia or ed	clampsia						
Duley 2002	987	4999	98	4993	25.6%	10.06 [8.20, 12.33]	-	
Witlin 1996	45	67	12	68	20.4%	3.81 [2.22, 6.53]	-	
Subtotal (95% CI)		5066		5061	46.1%	6.39 [2.44, 16.74]		
Total events	1032		110					
Heterogeneity: Tau ² =	0.44; Chi ² = 11.1	7, df = 1 ($P = 0.0008$; $I^2 = 91$	%				
Test for overall effect:	Z = 3.78 (P = 0.0	002)						
1.13.2 Indication: feta	al neuroprotection	on						
Crowther 2003	393	535	88	527	25.7%	4.40 [3.61, 5.36]	•	
Marret 2007	23	286	0	278	2.9%	45.69 [2.79, 748.57]		
Rouse 2008	703	1078	74	1125	25.4%	9.91 [7.92, 12.41]		
Subtotal (95% CI)		1899		1930	53.9%	7.55 [3.39, 16.85]	•	
Total events	1119		162					
Heterogeneity: Tau ² =	0.35; Chi ² = 32.2	4, df = 2 ($P < 0.00001$); $I^2 = 9$	4%				
Test for overall effect:	Z = 4.94 (P < 0.0	0001)						
Total (95% CI)		6965		6991	100.0%	6.94 [4.19, 11.49]	•	
Total events	2151		272					
Heterogeneity: Tau ² =	0.25; Chi ² = 52.1	2, df = 4 ($P < 0.00001$); $I^2 = 9$	2%				400
Test for overall effect:	Z = 7.54 (P < 0.0	0001)					0.01 0.1 1 10 Favours magnesium Favours no mag	100
Test for subgroup diffe	erences: Chi² = 0.	07, df = 1	(P = 0.79), I ² = 0%				i avodis magnesidii – Favodis no mag	gricolulli

Figure A12. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.13 Flushing or warmth

	Magnesium su	ulphate	Placebo or no tre	eatment		Risk Ratio	Risl	c Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	I M-H, Ran	dom, 95% CI	
1.14.1 Indication: pre-	eclampsia or e	clampsia							
Duley 2002	160	4999	18	4993	27.5%	8.88 [5.46, 14.43]		_	
Subtotal (95% CI)		4999		4993	27.5%	8.88 [5.46, 14.43]		•	
Total events	160		18						
Heterogeneity: Not app	licable								
Test for overall effect: Z	Z = 8.81 (P < 0.0	0001)							
1.14.2 Indication: fetal	l neuroprotection	on							
Crowther 2003	137	535	55	527	29.1%	2.45 [1.84, 3.28]		-	
Marret 2007	9	286	2	278	15.7%	4.37 [0.95, 20.06]		-	
Rouse 2008	166	1078	19	1125	27.7%	9.12 [5.71, 14.55]			
Subtotal (95% CI)		1899		1930	72.5%	4.60 [1.54, 13.73]			
Total events	312		76						
Heterogeneity: Tau ² = 0	0.77; Chi ² = 23.5	5, df = 2 (P < 0.00001); I ² = 9	92%					
Test for overall effect: Z	Z = 2.73 (P = 0.0	06)							
Total (95% CI)		6898		6923	100.0%	5.50 [2.29, 13.22]		•	
Total events	472		94						
Heterogeneity: Tau ² = 0	0.67; Chi ² = 35.3	2, df = 3 (P < 0.00001); I ² = 9	2%				+ +	100
Test for overall effect: Z	Z = 3.81 (P = 0.0	001)					0.01 0.1 Favours magnesium	1 10 Favours no mad	100
Test for subgroup differ	ences: Chi ² = 1.	16. df = 1	(P = 0.28), I ² = 13.9	9%			ravours magnesium	ravours no maç	griesium

Test for subgroup differences: Chi² = 1.16, df = 1 (P = 0.28), l² = 13.9%

Figure A13. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.14 Nausea and/or vomiting

	Magnesium su	ılphate	Placebo or no tre	atment		Risk Ratio	Risk Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixed, 95% CI	
1.15.1 Indication: pre	-eclampsia or e	clampsia						
Chen 1995	34	34	0	30	7.6%	61.11 [3.91, 955.66]		
Duley 2002	72	4999	6	4993	85.5%	11.99 [5.22, 27.54]	_	
Subtotal (95% CI)		5033		5023	93.1%	15.97 [7.23, 35.30]	■	
Total events	106		6					
Heterogeneity: Chi ² = 1	1.37, df = 1 (P =	0.24); I ² =	27%					
Test for overall effect:	Z = 6.85 (P < 0.0	0001)						
1.15.2 Indication: toca	olysis							
Cox 1990	6	76	0	80	6.9%	13.68 [0.78, 238.67]	+	-
Subtotal (95% CI)		76		80	6.9%	13.68 [0.78, 238.67]		
Total events	6		0					
Heterogeneity: Not app	olicable							
Test for overall effect:	Z = 1.79 (P = 0.0	7)						
Total (95% CI)		5109		5103	100.0%	15.81 [7.36, 33.96]		▶
Total events	112		6					
Heterogeneity: Chi ² = 1	1.36, df = 2 (P = 0	0.51); l ² =	0%				 	
Test for overall effect:	Z = 7.08 (P < 0.0	0001)					0.01 0.1 1 10	
Teet for subgroup diffe	rancas: Chi2 = 0	01 df = 1	(D = 0.02) 12 = 0%				Favours magnesium Favours no r	nagnesium

Test for subgroup differences: Chi² = 0.01, df = 1 (P = 0.92), l² = 0%

Figure A14. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.15 Muscle weakness

	Magnesium si	ulphate	Placebo or no tre	eatment		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
1.16.1 Indication: pre-	eclampsia or e	clampsia					
Duley 2002	20	4999	9	4993	15.8%	2.22 [1.01, 4.87]	
Witlin 1996	1	67	0	68	0.9%	3.04 [0.13, 73.42]	
Subtotal (95% CI)		5066		5061	16.7%	2.26 [1.06, 4.85]	•
Total events	21		9				
Heterogeneity: Chi ² = 0.	.04, df = 1 (P =	0.85); I ² = 0	0%				
Test for overall effect: Z	L = 2.10 (P = 0.0)	04)					
1.16.2 Indication: fetal	neuroprotecti	on					_
Crowther 2003	119	535	47	527	83.3%	2.49 [1.82, 3.42]	
Subtotal (95% CI)		535		527	83.3%	2.49 [1.82, 3.42]	•
Total events	119		47				
Heterogeneity: Not appl	licable						
Test for overall effect: Z	= 5.68 (P < 0.0	00001)					
Total (95% CI)		5601		5588	100.0%	2.46 [1.83, 3.29]	•
Total events	140		56				
Heterogeneity: Chi ² = 0.	.09, df = 2 (P =	0.96); I ² = 0	0%				
Test for overall effect: Z	C = 6.04 (P < 0.0)	00001)					0.01 0.1 1 10 100 Favours magnesium Favours no magnesium
Test for subgroup differ	oncos: Chi2 = 0	05 df = 1 /	(D = 0.82) 12 = 0%				i avours magnesium i avours no magnesium

Test for subgroup differences: Chi² = 0.05, df = 1 (P = 0.82), l² = 0%

Figure A15. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.16 Drowsiness or confusion

	Magnesium su	lphate	Placebo or no trea	tment		Risk Ratio		Ris	k Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI		M-H, Fi	ked, 95% CI	
1.17.1 Indication: pre	e-eclampsia or ed	lampsia								
Duley 2002	36	4999	17	4993	94.4%	2.12 [1.19, 3.76]				
Subtotal (95% CI)		4999		4993	94.4%	2.12 [1.19, 3.76]				-
Total events	36		17							
Heterogeneity: Not ap	plicable									
Test for overall effect:	Z = 2.55 (P = 0.0	1)								
1.17.2 Indication: feta	al neuroprotection	n								
Marret 2007	4	286	1	278	5.6%	3.89 [0.44, 34.57]				
Subtotal (95% CI)		286		278	5.6%	3.89 [0.44, 34.57]				
Total events	4		1							
Heterogeneity: Not ap	plicable									
Test for overall effect:	Z = 1.22 (P = 0.2)	2)								
Total (95% CI)		5285		5271	100.0%	2.21 [1.27, 3.86]				-
Total events	40		18							
Heterogeneity: Chi ² =	0.28, df = 1 (P = 0	0.60); I ² =	0%						+ +	<u> </u>
Test for overall effect:	Z = 2.81 (P = 0.0	05)					0.2	0.5 s magnesium	1 2 Favours no n	5
Test for subgroup diffe	erences: Chi² = 0	28 df = 1	$(P = 0.60) I^2 = 0\%$				ravour	s magnesium	ravouls 110 II	nagnesium

Test for subgroup differences: Chi² = 0.28, df = 1 (P = 0.60), l² = 0%

Figure A16. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.17 Headache.

	Magnesium su	ılphate	Placebo or no tre	atment		Risk Ratio		Risk	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI		M-H, Ranc	lom, 95% CI	
1.18.1 Indication: pre	-eclampsia or e	clampsia								
Duley 2002	37	4999	11	4993	25.8%	3.36 [1.72, 6.58]				
Subtotal (95% CI)		4999		4993	25.8%	3.36 [1.72, 6.58]				
Total events	37		11							
Heterogeneity: Not app	plicable									
Test for overall effect:	Z = 3.53 (P = 0.0	004)								
1.18.2 Indication: feta	al neuroprotection	on								
Crowther 2003	212	535	99	527	74.2%	2.11 [1.72, 2.59]			-	
Subtotal (95% CI)		535		527	74.2%	2.11 [1.72, 2.59]			•	
Total events	212		99							
Heterogeneity: Not app	plicable									
Test for overall effect:	Z = 7.10 (P < 0.0	0001)								
Total (95% CI)		5534		5520	100.0%	2.38 [1.59, 3.56]			•	-
Total events	249		110							
Heterogeneity: Tau ² =	0.05; Chi ² = 1.71	, df = 1 (F	P = 0.19); I ² = 42%					0.5	1 2	5
Test for overall effect:	Z = 4.22 (P < 0.0	001)					0.2 Favours m		Favours no	-
Test for subgroup diffe	erences: Chi² = 1.	68, df = 1	$(P = 0.19), I^2 = 40.0$	6%			i avouis III	agricoluill	i avouis IIO	magnesiun

Figure A17. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.18 Thirst/mouth dryness.

	Magnesium su	ulphate	Placebo or no treat	tment		Risk Ratio	Risk	Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	M-H, Rand	lom, 95% CI
1.19.1 Indication: pre	e-eclampsia or e	clampsia						
Duley 2002	37	4999	10	4993	32.9%	3.70 [1.84, 7.42]		
Subtotal (95% CI)		4999		4993	32.9%	3.70 [1.84, 7.42]		•
Total events	37		10					
Heterogeneity: Not ap	plicable							
Test for overall effect:	Z = 3.67 (P = 0.0	0002)						
1.19.2 Indication: feta	al neuroprotection	on						
Crowther 2003	83	535	37	527	67.1%	2.21 [1.53, 3.19]		-
Subtotal (95% CI)		535		527	67.1%	2.21 [1.53, 3.19]		•
Total events	83		37					
Heterogeneity: Not ap	plicable							
Test for overall effect:	Z = 4.22 (P < 0.0	001)						
Total (95% CI)		5534		5520	100.0%	2.62 [1.63, 4.21]		•
Total events	120		47					
Heterogeneity: Tau ² =	0.05; Chi ² = 1.65	i, df = 1 (P	P = 0.20); I ² = 39%				0.01	1 10 10
Test for overall effect:	Z = 3.96 (P < 0.0	001)					0.01 0.1 Favours magnesium	1 10 100 Favours no magnesium
Toot for aubarous diffe	ronocci Chi2 1	60 df 1	(D 0.00) 13 00.00	,			i avours magnesium	i avours no magnesium

Test for subgroup differences: Chi² = 1.63, df = 1 (P = 0.20), I² = 38.8%

Figure A18. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.19 Dizziness

	Magnesium s	ulphate	Placebo or no tre	eatment		Risk Ratio		Risk	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	I	M-H, Rand	dom, 95% CI	
1.20.1 Indication: feta	al neuroprotecti	on								
Crowther 2003	104	535	29	527	49.9%	3.53 [2.38, 5.24]			-	
Rouse 2008	307	1078	28	1125	50.1%	11.44 [7.84, 16.70]			-	
Subtotal (95% CI)		1613		1652	100.0%	6.37 [1.96, 20.65]				
Total events	411		57							
Heterogeneity: Tau ² =	0.68; Chi ² = 18.6	60, df = 1 ($P < 0.0001$); $I^2 = 95$	5%						
Test for overall effect:	Z = 3.08 (P = 0.0)	002)								
Total (95% CI)		1613		1652	100.0%	6.37 [1.96, 20.65]			•	
Total events	411		57							
Heterogeneity: Tau ² =	0.68; Chi ² = 18.6	60, df = 1 ($P < 0.0001$); $I^2 = 95$	5%				+	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! 	
Test for overall effect:	Z = 3.08 (P = 0.0)	002)					0.01	0.1	1 10	100
Test for subgroup diffe	•	,					ravo	ours magnesium	Favours no mag	gnesium

Test for subgroup differences: Not applicable
Figure A19. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.20 Sweating

	Magnesium su	ulphate	Placebo or no trea	atment		Risk Ratio	Risk	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	I M-H, Ran	dom, 95% CI	
1.24.1 Indication: pre	e-eclampsia or e	clampsia							
Duley 2002	125	2719	41	2720	33.3%	3.05 [2.15, 4.32]		+	
Subtotal (95% CI)		2719		2720	33.3%	3.05 [2.15, 4.32]		•	
Total events	125		41						
Heterogeneity: Not ap	plicable								
Test for overall effect:	Z = 6.27 (P < 0.0)	0001)							
1.24.2 Indication: feta	al neuroprotection	on							
Crowther 2003	355	535	39	527	33.9%	8.97 [6.59, 12.20]		-	
Rouse 2008	259	1078	29	1125	32.9%	9.32 [6.41, 13.56]		-	
Subtotal (95% CI)		1613		1652	66.7%	9.11 [7.18, 11.55]		♦	
Total events	614		68						
Heterogeneity: Tau ² =	0.00; Chi ² = 0.02	d, df = 1 (F	$P = 0.88$; $I^2 = 0\%$						
Test for overall effect:	Z = 18.20 (P < 0.	.00001)							
Total (95% CI)		4332		4372	100.0%	6.34 [3.10, 12.98]		•	
Total events	739		109						
Heterogeneity: Tau ² =	0.37; Chi ² = 26.1	7, df = 2 ($P < 0.00001$; $I^2 = 92$	2%				+ + +	
Test for overall effect:	Z = 5.06 (P < 0.0	0001)					0.01 0.1	1 10	100
Test for subgroup diffe	erences: Chi² = 25	5.80 df =	1 (P < 0.00001) I ² =	96 1%			Favours magnesium	Favours no mag	Ji iesiuiii

Test for subgroup differences: Chi² = 25.80, df = 1 (P < 0.00001), l² = 96.1%

Figure A20. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.24 Problems at IV site/arm discomfort.

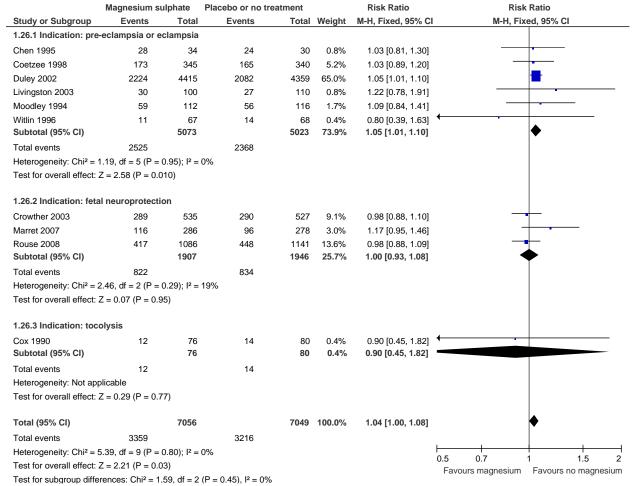


Figure A21. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.26 Caesarean

	Magnesium su	lphate	Placebo or no treatn	nent		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	M-H, Random, 95% CI
1.27.1 Indication: pre	e-eclampsia or ec	lampsia					
Duley 2002	750	4415	774	4359	89.0%	0.96 [0.87, 1.05]	
Witlin 1996	4	67	1	68	0.2%	4.06 [0.47, 35.38]	-
Subtotal (95% CI)		4482		4427	89.1%	1.29 [0.41, 4.09]	
Total events	754		775				
Heterogeneity: Tau ² =	0.43; Chi ² = 1.71,	, df = 1 (P	² = 0.19); I ² = 42%				
Test for overall effect:	Z = 0.44 (P = 0.66)	6)					
1.27.2 Indication: fet	al neuroprotection	on					
Crowther 2003	86	535	99	527	10.7%	0.86 [0.66, 1.11]	
Marret 2007	2	286	1	278	0.1%	1.94 [0.18, 21.32]	
Subtotal (95% CI)		821		805	10.9%	0.86 [0.67, 1.12]	•
Total events	88		100				
Heterogeneity: Tau ² =	0.00; Chi ² = 0.45,	, df = 1 (P	² = 0.50); I ² = 0%				
Test for overall effect:	Z = 1.10 (P = 0.2)	7)					
Total (95% CI)		5303		5232	100.0%	0.95 [0.87, 1.03]	
Total events	842		875				
Heterogeneity: Tau ² =	0.00; Chi ² = 2.70,	, df = 3 (P	$l = 0.44$); $l^2 = 0\%$				
Test for overall effect:	Z = 1.21 (P = 0.23	3)					0.01 0.1 1 10 100
Test for subgroup diffe			$(P = 0.50), I^2 = 0\%$				Favours magnesium Favours no magnesiur

Figure A22. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.27 Postpartum haemorrhage

	Magnesium su	Ilphate	Placebo or no tre	atment		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
1.28.1 Indication: pre-	eclampsia or e	clampsia					
Duley 2002	32	5055	33	5055	89.4%	0.97 [0.60, 1.57]	
Livingston 2003	0	109	0	113		Not estimable	
Moodley 1994	1	112	1	116	2.7%	1.04 [0.07, 16.36]	<u> </u>
Subtotal (95% CI)		5276		5284	92.1%	0.97 [0.60, 1.57]	
Total events	33		34				
Heterogeneity: Chi ² = 0	0.00, $df = 1 (P = 0)$	0.96); I ² =	0%				
Test for overall effect: 2	Z = 0.12 (P = 0.9	1)					
1.28.2 Indication: feta	I neuroprotection	on					
Rouse 2008	8	1086	3	1141	7.9%	2.80 [0.75, 10.53]	
Subtotal (95% CI)		1086		1141	7.9%	2.80 [0.75, 10.53]	
Total events	8		3				
Heterogeneity: Not app	olicable						
Test for overall effect: 2	Z = 1.52 (P = 0.1	3)					
Total (95% CI)		6362		6425	100.0%	1.12 [0.72, 1.74]	
Total events	41		37				
Heterogeneity: Chi ² = 2	2.18, df = 2 (P = 0	0.34); I ² =	8%				
Test for overall effect: 2	Z = 0.49 (P = 0.6	2)					0.5 0.7 1 1.5 2 Favours magnesium Favours no magnesium
Test for subgroup differ	rences: Chi ² = 2.	17, df = 1	$(P = 0.14), I^2 = 54.0$)%			ravours magnesium Favours no magnesium

Test for subgroup differences: Chi² = 2.17, df = 1 (P = 0.14), l² = 54.0%

Figure A23. Forest plot of Comparison: 1 Magnesium sulphate vs. placebo/no treatment, outcome: 1.28 Pulmonary oedema

	Magnesium su	Ilphate	Placebo or no tre	eatment		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixed, 95% CI
1.29.1 Loading dose	only						
Marret 2007	0	286	0	278		Not estimable	
Subtotal (95% CI)		286		278		Not estimable	
Total events	0		0				
Heterogeneity: Not app	olicable						
Test for overall effect: I	Not applicable						
1.29.2 Loading dose	and maintenanc	e dose					
Coetzee 1998	0	345	1	340	7.0%	0.33 [0.01, 8.04]	•
Crowther 2003	0	535	0	527		Not estimable	
Duley 2002	11	5055	20	5055	93.0%	0.55 [0.26, 1.15]	
Rouse 2008	0	1096	0	1145		Not estimable	_
Subtotal (95% CI)		7031		7067	100.0%	0.53 [0.26, 1.09]	•
Total events	11		21				
Heterogeneity: Chi ² = 0	0.09, df = 1 (P = 0	0.76); I ² =	0%				
Test for overall effect:	,	**					
		,					
1.29.3 4 g loading dos	se and maintena	ance dose	•				
Coetzee 1998	0	345	1	340	7.0%	0.33 [0.01, 8.04]	
Crowther 2003	0	535	0	527		Not estimable	
Duley 2002	11	5055	20	5055	93.0%	0.55 [0.26, 1.15]	
Subtotal (95% CI)		5935			100.0%	0.53 [0.26, 1.09]	•
Total events	11		21				
Heterogeneity: Chi ² = 0	0.09, df = 1 (P = 0	0.76); I ² =	0%				
Test for overall effect:							
	,	,					
1.29.4 5-6 g loading d	lose and mainte	nance do	se				
Rouse 2008	0	1096	0	1145		Not estimable	
Subtotal (95% CI)		1096		1145		Not estimable	
Total events	0		0				
Heterogeneity: Not app	olicable						
Test for overall effect:	Not applicable						
1.29.5 1 g/hour IV ma	intenance dose						
Coetzee 1998	0	345	1	340	17.8%	0.33 [0.01, 8.04]	-
Crowther 2003	0	535	0	527		Not estimable	<u>_</u>
Duley 2002	3	2754	7	2763	82.2%	0.43 [0.11, 1.66]	
Subtotal (95% CI)		3634		3630	100.0%	0.41 [0.12, 1.43]	
Total events	3		8				
Heterogeneity: Chi ² = 0	0.02, $df = 1 (P = 0)$	0.88); I ² =	0%				
Test for overall effect:	Z = 1.40 (P = 0.1	6)					
1.29.6 2-3 g/hour IV m							
Rouse 2008	0	1096	0	1145		Not estimable	
Subtotal (95% CI)		1096		1145		Not estimable	
Total events	0		0				
Heterogeneity: Not app	olicable						
Test for overall effect:	Not applicable						
4.00 7.04							
1.29.7 IM maintenanc							_
Duley 2002	8	2301	13		100.0%	0.61 [0.25, 1.48]	
Subtotal (95% CI)		2301		2292	100.0%	0.61 [0.25, 1.48]	
Total events	8		13				
Heterogeneity: Not app							
Test for overall effect: 2	Z = 1.09 (P = 0.2	8)					
							0.01 0.1 1 10 100
							Favours magnesium Favours no magnesium
Test for subgroup diffe	rences: Chi2 = 0.	26, df = 3	$(P = 0.97), I^2 = 0\%$				-

Test for subgroup differences: Chi² = 0.26, df = 3 (P = 0.97), I² = 0%

Favours magnesium Favours no Favours no Test for subgroup differences: Chi² = 0.26, df = 3 (P = 0.97), I² = 0%

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Favours no Test for subgroup differences: Chi² = 0.26, df = 3 (P = 0.97), I² = 0%

Favours no Test for subgroup differences: Chi² = 0.26, df = 3 (P = 0.97), I² = 0%

Favours no Test for subgroup differences: Chi² = 0.26, df = 3 (P = 0.97), I² = 0.26, df = 3 (P = 0.97), I² = 0.26, df = 3 (P = 0.97), I² = 0.26, df = 3 (P = 0.97), I² = 0.26, df = 3 (P = 0.97

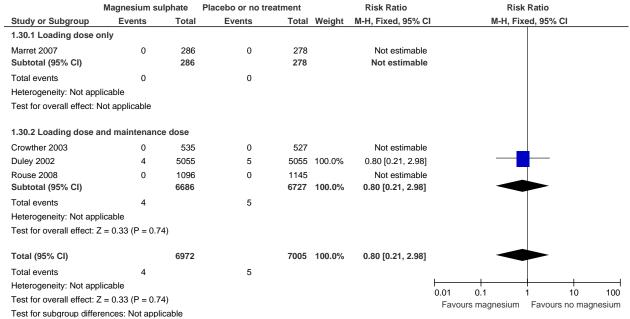


Figure A25. Forest plot of Comparison: 1 By dose and route of administration, outcome: 1.30 Cardiac arrest

M	agnesium sul	phate	Placebo or no trea	tment		Risk Ratio			Risk F	Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	l	M-	H, Fixed	d, 95% C	i .	
1.31.1 Loading dose only	y											
Marret 2007	0	286	0	278		Not estimable						
Subtotal (95% CI)		286		278		Not estimable						
Total events	0		0									
Heterogeneity: Not applica	able											
Test for overall effect: Not	applicable											
1.31.2 Loading dose and	I maintenance	dose										
Crowther 2003	0	535	0	527		Not estimable						
Duley 2002	5	5055	2	5055	100.0%	2.50 [0.49, 12.88]			\rightarrow			
Rouse 2008	0	1096	0	1145		Not estimable				_		
Subtotal (95% CI)		6686		6727	100.0%	2.50 [0.49, 12.88]					—	
Total events	5		2									
Heterogeneity: Not applica	able											
Test for overall effect: Z =	1.10 (P = 0.27	")										
Total (95% CI)		6972		7005	100.0%	2.50 [0.49, 12.88]			-		-	
Total events	5		2									
Heterogeneity: Not applica	able						0.04		+		10	
Test for overall effect: Z =	1.10 (P = 0.27	·)					0.01 Eavor	0.1 irs magne	1 Seium	Favours	10	10
Test for subgroup differen	ces: Not applic	able					ravou	iis magne	Siuill	ravouis	no mag	nesiu

Figure A26. Forest plot of Comparison: 1 By dose and route of administration, outcome: 1.31 Respiratory arrest

	Magnesium su	Ilphate	Placebo or no trea	tment		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
1.32.1 Loading dose	and maintenanc	e dose					
Cox 1990	8	76	0	80	0.3%	17.88 [1.05, 304.57]	•
Crowther 2003	78	535	28	527	17.3%	2.74 [1.81, 4.15]	1 **
Duley 2002	317	5055	118	5055	72.5%	2.69 [2.18, 3.31]	
Rouse 2008	45	1078	16	1125	9.6%	2.94 [1.67, 5.16]	-
Witlin 1996	1	67	0	68	0.3%	3.04 [0.13, 73.42]	
Subtotal (95% CI)		6811		6855	100.0%	2.77 [2.32, 3.30]	•
Total events	449		162				
Heterogeneity: Chi ² = 1		* *	0%				
Test for overall effect:	Z = 11.36 (P < 0.00)	00001)					
1.32.2 4 g loading dos	se and maintena	ance dose	9				
Cox 1990	8	76	0	80	0.3%	17.88 [1.05, 304.57]	<u> </u>
Crowther 2003	78	535	28	527	19.2%	2.74 [1.81, 4.15]	-
Duley 2002	317	5055	118	5055	80.4%	2.69 [2.18, 3.31]	
Subtotal (95% CI)		5666			100.0%	2.75 [2.28, 3.31]	▼
Total events	403		146				
Heterogeneity: Chi ² = 1	1.72, df = 2 (P = 0	0.42); I ² =	0%				
Test for overall effect:	Z = 10.71 (P < 0.	00001)					
1.32.3 5-6 g loading d	lose and mainte	nance do	se				_
Rouse 2008	45	1078	16	1125	96.9%	2.94 [1.67, 5.16]	-
Witlin 1996	1	67	0	68	3.1%	3.04 [0.13, 73.42]	
Subtotal (95% CI)		1145		1193	100.0%	2.94 [1.69, 5.12]	-
Total events	46		16				
Heterogeneity: Chi ² = 0		* *	0%				
Test for overall effect:	Z = 3.80 (P = 0.0	001)					
1.32.4 1 g/hour IV ma	intenance dose						<u>_</u>
Crowther 2003	78	535	28	527	100.0%	2.74 [1.81, 4.15]	-
Subtotal (95% CI)		535		527	100.0%	2.74 [1.81, 4.15]	•
Total events	78		28				
Heterogeneity: Not app	olicable						
Test for overall effect: 2	Z = 4.77 (P < 0.0	0001)					
1.32.5 2-3 g/hour IV m	naintenance dos	e					
Cox 1990	8	76	0	80	2.9%	17.88 [1.05, 304.57]	<u> </u>
Rouse 2008	45	1078	16	1125	94.1%	2.94 [1.67, 5.16]	-
Witlin 1996	1	67	0	68	3.0%	3.04 [0.13, 73.42]	
Subtotal (95% CI)		1221		1273	100.0%	3.38 [1.97, 5.78]	•
Total events	54		16				
Heterogeneity: Chi ² = 1			0%				
Test for overall effect:	Z = 4.43 (P < 0.0)	0001)					
							0.01 0.1 1 10 10
Test for subgroup diffe	rancas: Chi2 = 0	56 df - 1	(P = 0.97) 12 = 0°/				Favours magnesium Favours no magnesium

Test for subgroup differences: Chi² = 0.56, df = 4 (P = 0.97), l² = 0%

Figure A27. Forest plot of Comparison: 1 By dose and route of administration, outcome: 1.32 Discontinuation due to adverse effects

	Magnesium su	ılphate	Placebo or no tre	eatment		Risk Ratio		Risk	Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I	M-H, Fix	ed, 95% C	:1	
1.33.1 4 g loading do	se and mainten	ance dose	•								
Coetzee 1998	1	345	0	340	4.4%	2.96 [0.12, 72.32]					
Duley 2002	14	5055	11	5055	95.6%	1.27 [0.58, 2.80]		_			
Subtotal (95% CI)		5400		5395	100.0%	1.35 [0.63, 2.88]		•			
Total events	15		11								
Heterogeneity: Chi ² =	0.25, df = 1 (P =	0.62); I ² =	0%								
Test for overall effect:	Z = 0.77 (P = 0.4)	4)									
Total (95% CI)		5400		5395	100.0%	1.35 [0.63, 2.88]		•			
Total events	15		11								
Heterogeneity: Chi ² =	0.25, df = 1 (P =	0.62); I ² =	0%					- 1	 	+	
Test for overall effect:	7 = 0.77 (P = 0.4	4)					0.01	0.1	1_	10	100
Test for subgroup diffe	,	,					Favo	urs magnesium	Favours	no mag	nesium

Test for subgroup differences: Not applicable

Figure A28. Forest plot of Comparison: 1 By dose and route of administration, outcome: 1.33 Given calcium gluconate

	Magnesium su	Ilphate	Placebo or no tre	eatment		Risk Ratio	Risk	Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	I M-H, Rand	lom, 95% CI
1.34.1 Loading dose	and maintenanc	e dose						
Crowther 2003	476	535	199	527	31.9%	2.36 [2.10, 2.64]		
Duley 2002	1201	4999	228	4993	31.8%	5.26 [4.59, 6.03]		•
Ma 1992	11	30	0	35	4.6%	26.71 [1.64, 435.03]		
Rouse 2008	833	1078	140	1125	31.6%	6.21 [5.30, 7.27]		
Subtotal (95% CI)	000	6642	140	6680	100.0%	4.62 [2.42, 8.83]		•
Total events	2521		567			(==,)		
Heterogeneity: Tau ² =		15 df _ 2 /		000/				
Test for overall effect:			(1 < 0.00001), 1- =	30 /6				
rest for overall effect.	Z = 4.04 (F < 0.0	0001)						
1.34.2 4 g loading do	se and maintena	nce dose						
Crowther 2003	476	535	199	527	50.1%	2.36 [2.10, 2.64]		
Duley 2002	1201	4999	228	4993	49.9%	-		_
Subtotal (95% CI)	1201	5534	226		100.0%	5.26 [4.59, 6.03] 3.52 [1.49, 8.32]		
	4077	3334	407	3320	100.070	3.32 [1.43, 0.32]		
Total events	1677	0 16 4 /5	427	2001				
Heterogeneity: Tau ² =			² < 0.00001); I ² = 9	99%				
Test for overall effect:	Z = 2.86 (P = 0.0)	04)						
1.34.3 5-6 g loading	dose and mainte	nance dos	se.					
				0-	0.00/	00.74 [4.04.405.00]		
Ma 1992	11	30	0	35	2.8%	26.71 [1.64, 435.03]		
Rouse 2008 Subtotal (95% CI)	833	1078	140	1125	97.2%	6.21 [5.30, 7.27]		
•		1108		1100	100.0%	6.47 [4.02, 10.40]		
Total events	844		140					
Heterogeneity: Tau ² =			$= 0.30$); $I^2 = 5\%$					
Test for overall effect:	Z = 7.71 (P < 0.0)	0001)						
1.34.4 1 g/hour IV ma	sintananaa dasa							
_		=0=	400		=0 =0/	0.00 (0.40.004)		
Crowther 2003	476	535	199	527	50.5%	2.36 [2.10, 2.64]		
Duley 2002	556	2719	119	2720	49.5%	4.67 [3.86, 5.66]		
Subtotal (95% CI)		3254		3247	100.0%	3.31 [1.59, 6.88]		
Total events	1032		318					
Heterogeneity: Tau ² =			$P < 0.00001$); $I^2 = 9$	98%				
Test for overall effect:	Z = 3.20 (P = 0.0)	01)						
4.04.5.0.0.0.0.0.0.								
1.34.5 2-3 g/hour IV r								
Ma 1992	11	30	0	35	2.8%	26.71 [1.64, 435.03]		
Rouse 2008	833	1078	140	1125	97.2%	6.21 [5.30, 7.27]		
Subtotal (95% CI)		1108		1160	100.0%	6.47 [4.02, 10.40]		
Total events	844		140					
Heterogeneity: Tau ² =	0.05; Chi ² = 1.05	, df = 1 (P	$= 0.30$); $I^2 = 5\%$					
Test for overall effect:	Z = 7.71 (P < 0.0)	0001)						
1.34.6 IM maintenand								
Duley 2002	638	2280	109		100.0%	5.84 [4.80, 7.09]		
Subtotal (95% CI)		2280		2273	100.0%	5.84 [4.80, 7.09]		▼
Total events	638		109					
Heterogeneity: Not ap	plicable							
Test for overall effect:	Z = 17.76 (P < 0.	00001)						
							0.01 0.1	1 10 10

Test for subgroup differences: Chi² = 4.31, df = 5 (P = 0.51), I² = 0%

Figure A29. Forest plot of Comparison: 1 By dose and route of administration, outcome: 1.34 Any side effects

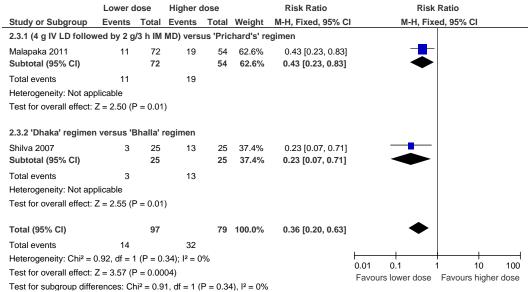


Figure A30. Forest plot of Comparison: 2 Lower dose vs. higher dose IM regimen, outcome: 2.3 Deferred or skipped doses

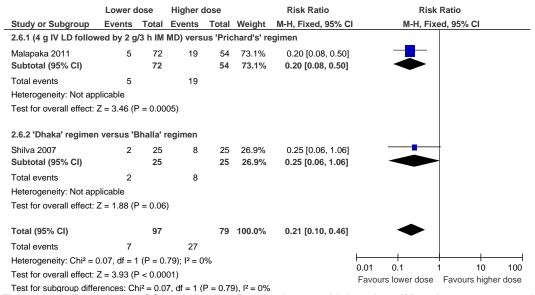


Figure A31. Forest plot of Comparison: 2 Lower dose vs. higher dose IM regimen, outcome: 2.6 Absent tendon reflexes

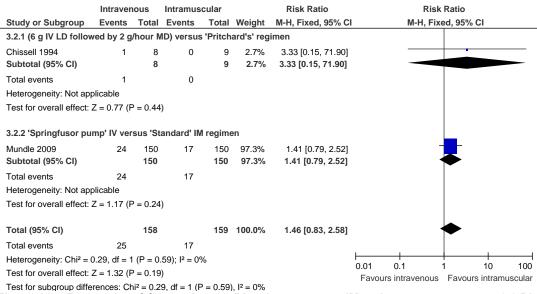


Figure A32. Forest plot of Comparison: 3 IV maintenance vs. IM maintenance, outcome: 3.2 Discontinuation or modification of treatment

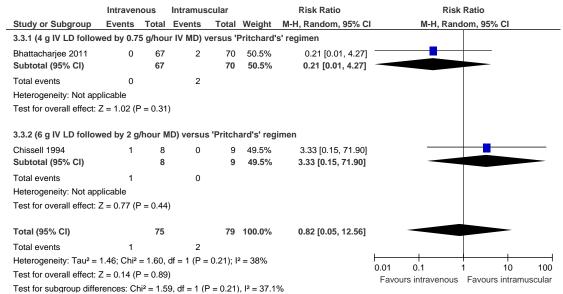


Figure A33. Forest plot of Comparison: 3 IV maintenance vs. IM maintenance regimen, outcome: 3.3 Clinical signs of toxicity

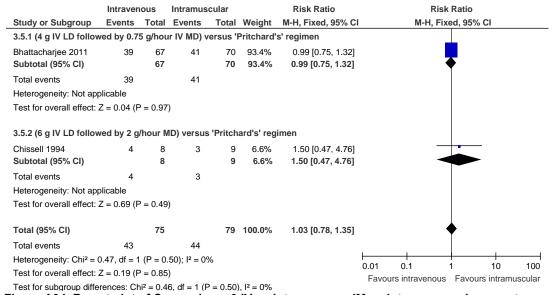


Figure A34. Forest plot of Comparison: 3 IV maintenance vs. IM maintenance regimen, outcome: 3.5 Caesarean

	Shor	t	Standa	ard		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixed, 95% CI
4.1.1 Short: 12 hours							
Ehrenberg 2006	0	101	0	95		Not estimable	
Subtotal (95% CI)		101		95		Not estimable	
Total events	0		0				
Heterogeneity: Not appli	icable						
Test for overall effect: No	ot applic	able					
4.1.2 Short: based on o	clinical o	riteria					
Suneja 2008	2	30	8	30	100.0%	0.25 [0.06, 1.08]	
Subtotal (95% CI)		30		30	100.0%	0.25 [0.06, 1.08]	
Total events	2		8				
Heterogeneity: Not appli	cable						
Test for overall effect: Z	= 1.86 (1	P = 0.0	6)				
Total (95% CI)		131		125	100.0%	0.25 [0.06, 1.08]	
Total events	2		8				
Heterogeneity: Not appli	icable						
Test for overall effect: Z = 1.86 (P = 0.06)						0.01 0.1 1 10 10 Favours short Favours standar	
Test for subgroup differe	nces: N	ot annli	cable				i avouis siioit Favouis statiua

Figure A35. Forest plot of Comparison: 4 Short vs. Standard (24 hour) postpartum maintenance therapy, outcome: 6.1 Toxicity

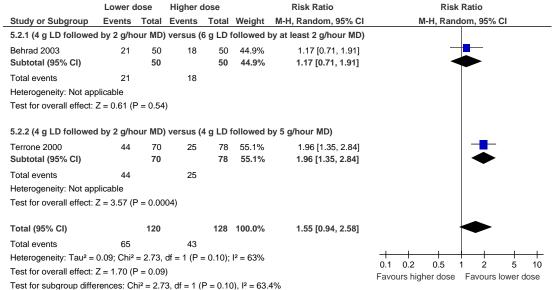


Figure A36. Forest plot of Comparison: 5 Lower dose vs. higher dose IV regimen, outcome: 5.2 No side effects

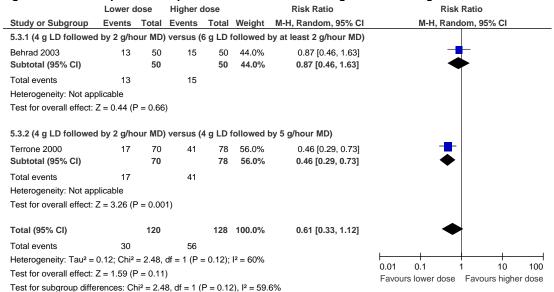


Figure A36. Forest plot of Comparison: 5 Lower dose vs. higher dose IV regimen, outcome: 5.3 Flushing

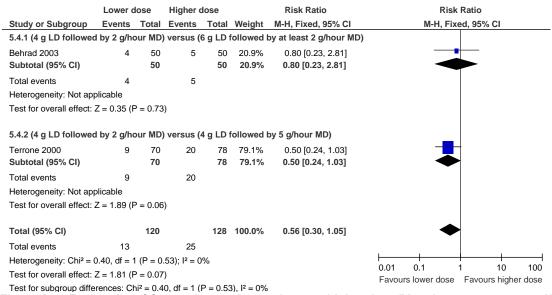


Figure A38. Forest plot of Comparison: 5 Lower dose vs. higher dose IV regimen, outcome: 5.5 Headache

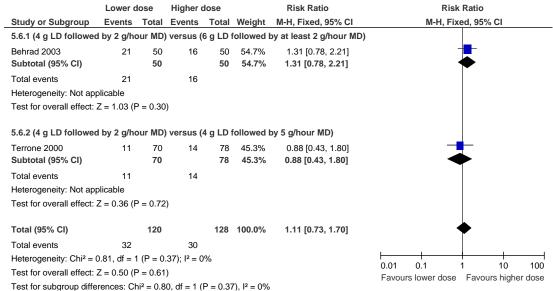


Figure A39. Forest plot of Comparison: 5 Lower dose vs. higher dose IV regimen, outcome: 5.6 Caesarean

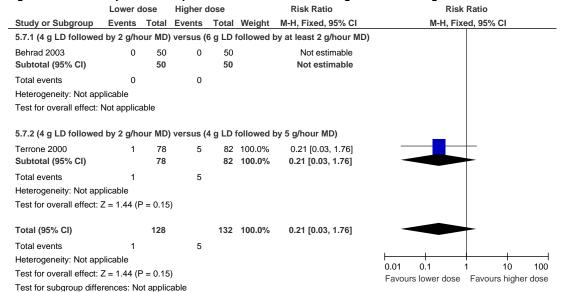


Figure A40. Forest plot of Comparison: 5 Lower dose vs. higher dose IV regimen, outcome: 5.7 Pulmonary oedema