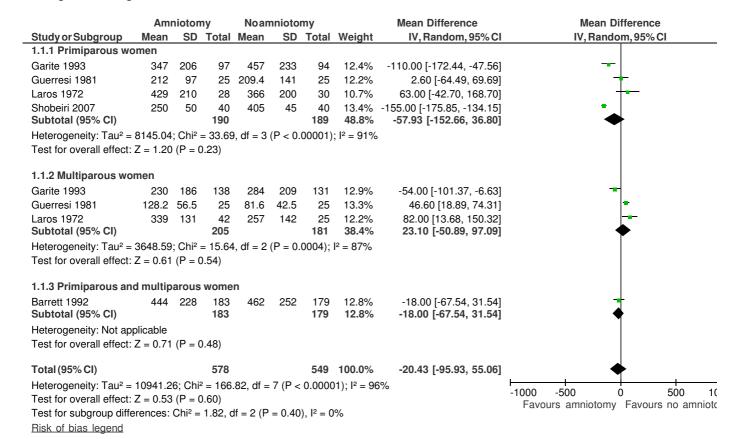
1 Amniotomy versus no amniotomy

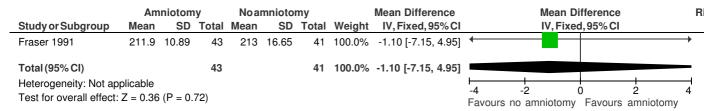
1.1 Length of first stage of labour



1.2 Caesarean section

	Amniot	omy	Noamnio	tomy		Risk Ratio	Risk Ratio	Risk of
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	
I.2.1 Primiparous we	omen							
Fraser 1991	8	47	4	50	3.7%	2.13 [0.69, 6.60]	+-	
Fraser 1993	56	462	50	463	47.7%	1.12 [0.78, 1.61]	+	
Johnson 1997	19	346	10	254	11.0%	1.39 [0.66, 2.95]	- - -	
Лikki 2007	5	74	3	83	2.7%	1.87 [0.46, 7.56]		
JK Amniotomy 1994	20	436	23	427	22.2%	0.85 [0.47, 1.53]		
Vetrich 1970	0	16	0	16		Not estimable		
Subtotal (95% CI)		1381		1293	87.3%	1.15 [0.88, 1.51]	•	
otal events	108		90					
leterogeneity: Chi2 =	2.89 , df = $\frac{2}{3}$	4 (P = 0.	.58); I ² = 0%	6				
est for overall effect:	Z = 1.05 (F	P = 0.30)					
.2.2 Multiparous wo	men							
lohnson 1997	8	529	2	411	2.1%	3.11 [0.66, 14.56]	+	
⁄likki 2007	4	266	4	267	3.8%	1.00 [0.25, 3.97]		
Subtotal (95% CI)		795		678	6.0%	1.76 [0.65, 4.76]		
Total events	12		6					
Heterogeneity: Chi2 =	1.16, df = 1	I(P = 0.	.28); I ² = 14	! %				
Test for overall effect:	Z = 1.12 (F	P = 0.26	5)					
1.2.3 Primiparous an	ıd multipar	ous wo	men					
Barrett 1992	5	183	2	179	1.9%	2.45 [0.48, 12.44]	- •	
ranks 1990	2	26	1	27	0.9%	2.08 [0.20, 21.55]	-	
Garite 1993	10	235	4	224	3.9%	2.38 [0.76, 7.49]	+	
Subtotal (95% CI)		444		430	6.8%	2.36 [0.99, 5.63]		
otal events	17		7					
Heterogeneity: Chi ² =	0.01, $df = 2$	2(P = 0.	.99); I ² = 0%	6				
est for overall effect:	Z = 1.93 (F	P = 0.05	·					
otal (95% CI)		2620		2401	100.0%	1.27 [0.99, 1.63]	•	
otal events	137		103			- · · •		
Heterogeneity: Chi ² =	_	P = 0		%				
est for overall effect:		,	, -				0.01 0.1 1 10	100
est for subgroup diffe	,		,	P = 0.24	. I ² = 29.9 ⁹	%	Favours amniotomy Favours no amn	notomy
Risk of bias leaend		0	-, (.	/	,			

Risk of bias leaend 1.3 Maternal satisfaction with childbirth experience



Risk of bias legend

1.4 Apgar score less than 7 at 5 minutes

	Amniot	omy	Noamnio	tomy		Risk Ratio	Risk	Ratio	Risk
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixe	ed, 95% CI	
1.4.1 Primiparous wo	men								
Fraser 1993	2	462	7	463	26.5%	0.29 [0.06, 1.37]	-	+	
Johnson 1997	3	346	4	251	17.6%	0.54 [0.12, 2.41]	-	 	
Mikki 2007	0	74	0	83		Not estimable			
UK Amniotomy 1994 Subtotal (95% CI)	5	436 1318	11	427 1224	42.2% 86.3 %	0.45 [0.16, 1.27] 0.42 [0.20, 0.88]	•	†	
Total events	10		22						
Heterogeneity: Chi ² = 0).36, df = 2	P = 0	.84); I ² = 0%	6					
Test for overall effect: 2									
1.4.2 Primiparous and	l multipar	ous wo	men						
Garite 1993	3	235	1	224	3.9%	2.86 [0.30, 27.29]		 •	_
Stewart 1982	0	34	1	30	6.0%	0.30 [0.01, 6.99]	•		
Subtotal (95% CI)		269		254	9.9%	1.30 [0.26, 6.43]			
Total events	3		2						
Heterogeneity: Chi ² = 1	-	,	, .	.%					
Test for overall effect: 2	Z = 0.32 (F)	P = 0.75	()						
1.4.3 Multiparous wor	men								
Mikki 2007	1	266	1	267	3.8%	1.00 [0.06, 15.96]	-	+	
Subtotal (95% CI)		266		267	3.8%	1.00 [0.06, 15.96]			
Total events	1		1						
Heterogeneity: Not app	licable								
Test for overall effect: 2	Z = 0.00 (F	P = 1.00)						
Γotal (95% CI)		1853		1745	100.0%	0.53 [0.28, 1.00]	•	-	
Total events	14		25						
Heterogeneity: Chi ² = 3	8.18, df = 5	$\delta (P = 0.$.67); I ² = 0%	6			0.01 0.1	1 10	100
Test for overall effect: 2	Z = 1.96 (F	P = 0.05)				Favours amniotomy		
Test for subgroup diffe	rences: Ch	$ni^2 = 1.8$	1, df = 2 (P)	r = 0.40	$I^{2} = 0\%$. avouro ammotorny	. 270010 110 011	
Risk of bias legend									

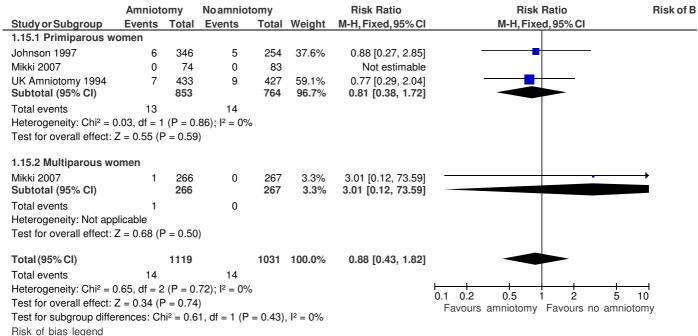
1.5 Length of second stage

	Am	nniotom	ıy	Noa	mnioto	my		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
1.5.1 Primiparous w	omen								
Fraser 1991	72	56.2	39	75	40.69	46	0.6%	-3.00 [-24.20, 18.20]	
Garite 1993	83.6	72	97	83	58	94	0.7%	0.60 [-17.91, 19.11]	
Guerresi 1981	54.1	45.5	25	59.2	50.5	25	0.4%	-5.10 [-31.75, 21.55]	
Laros 1972	35	17	28	61	48	30	0.8%	-26.00 [-44.29, -7.71]	
Mikki 2007	38	35	74	39	39	83	1.9%	-1.00 [-12.58, 10.58]	+
Shobeiri 2007	65	15	40	70	11	40	7.3%	-5.00 [-10.76, 0.76]	
Wetrich 1970	59.63	27.53		69.06	37.02	16	0.5%	-9.43 [-32.04, 13.18]	
Subtotal (95% CI)			319			334	12.1%	-5.43 [-9.98, -0.89]	lacktriangle
Heterogeneity: Tau ² = Test for overall effect	-		-	6 (P = 0).42); l ²	= 0%			
1.5.2 Multiparous we	omen								
Garite 1993	23	45	138	26.2	51	131	1.9%	-3.20 [-14.72, 8.32]	
Guerresi 1981	15.4	6.5	25	20.2	21.5	25	3.2%	-4.80 [-13.60, 4.00]	-+
Laros 1972	16	9	42	17	8	25	13.5%	-1.00 [-5.15, 3.15]	+
Mikki 2007	9	10	266	10	13	267	46.3%	-1.00 [-2.97, 0.97]	•
Subtotal (95% CI)			471			448	64.8%	-1.19 [-2.92, 0.53]	Y
Heterogeneity: Tau ² = Test for overall effect	-			3 (P = 0)).85); I ²	= 0%			
rest for overall effect	i. Z = 1.30	P = 0.	17)						
1.5.3 Primiparous a	nd multip	arous v	vomen						
Barrett 1992	32.4	14.4	178	31.8	15	177	23.1%	0.60 [-2.46, 3.66]	+
Subtotal (95% CI)			178			177	23.1%	0.60 [-2.46, 3.66]	†
Heterogeneity: Not a	pplicable								
Test for overall effect	1: Z = 0.38	8 (P = 0.	70)						
Total (95% CI)			968			959	100.0%	-1.33 [-2.92, 0.26]	•
Heterogeneity: Tau ² =	= 0.42: Cl	ni² = 11.	52. df =	11 (P :	= 0.40):	$I^2 = 5\%$,	. , .	
Test for overall effect	-		-	(.	5. 10),	. 070	•		-100 -50 0 50 10
Test for subgroup diff		,	,	= 2 (P :	= 0.10)	$l^2 = 57$	1%		Favours amniotomy Favours no amnioton
Risk of bias legend		JIII	, ui	- 2 (1	_ 0.10),	. – 57	/0		
TISK OF DIAS TEGETIO									

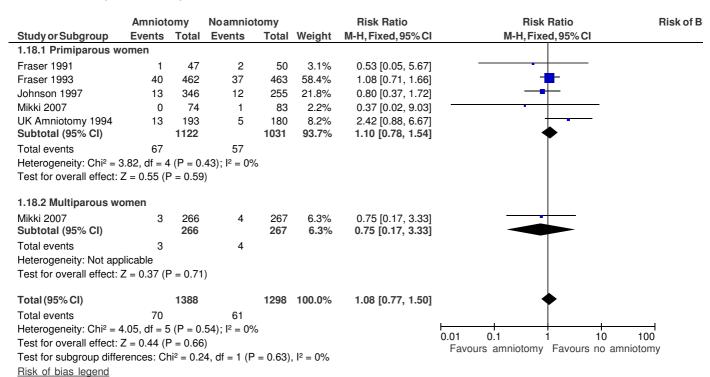
1.8 Oxytocin augmentation

	Amniot	omy	Noamnio	tomy		Risk Ratio	Risk Ratio	Risk o
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	M-H, Random, 95% CI	
1.8.1 Primiparous wo	men							
Fraser 1991	15	47	15	50	9.5%	1.06 [0.59, 1.93]		
Fraser 1993	168	462	190	463	15.5%	0.89 [0.75, 1.04]		
Mikki 2007	25	74	50	83	12.9%	0.56 [0.39, 0.81]	 -	
Subtotal (95% CI)		583		596	37.9%	0.79 [0.56, 1.11]	•	
Total events	208		255					
Heterogeneity: Tau ² =	0.06; Chi ²	= 5.75,	df = 2 (P =	0.06); I ²	= 65%			
Test for overall effect:	Z = 1.35 (F	P = 0.18	3)					
1.8.2 Multiparous wo	men							
Mikki 2007	36	266	85	267	13.1%	0.43 [0.30, 0.60]	-	
Subtotal (95% CI)		266		267	13.1%	0.43 [0.30, 0.60]	•	
Total events	36		85					
Heterogeneity: Not app	olicable							
Test for overall effect:	Z = 4.78 (F	o.00	001)					
1.8.3 Primiparous and	d multipar	ous wo	men					
Ajadi 2006	4	64	6	64	4.1%	0.67 [0.20, 2.25]		
Barrett 1992	27	183	16	179	9.7%	1.65 [0.92, 2.96]	 • 	
Garite 1993	36	235	76	224	13.1%	0.45 [0.32, 0.64]		
Johnson 1997	108	874	82	665	14.2%	1.00 [0.77, 1.31]	+	
Stewart 1982	8	34	14	30	8.0%	0.50 [0.25, 1.03]	-	
Subtotal (95% CI)		1390		1162	49.0%	0.77 [0.46, 1.28]		
Total events	183		194					
Heterogeneity: Tau ² =	0.24; Chi ²	= 20.47	, df = 4 (P	= 0.0004	l); l ² = 80%			
Test for overall effect:	Z = 1.00 (F)	P = 0.32	2)					
Total (95% CI)		2239		2025	100.0%	0.72 [0.54, 0.96]	•	
Total events	427		534					
Heterogeneity: Tau ² =	0.13; Chi ²	= 38.47	', df = 8 (P	< 0.0000)1); I ² = 79 ⁶	%	0.1 0.2 0.5 1 2 5	10
Test for overall effect:	Z = 2.25 (F	P = 0.02	2)				Favours amniotomy Favours no am	
Test for subgroup diffe	rences: Cl	$hi^2 = 7.1$	2, df = 2 (F	P = 0.03	, I ² = 71.99	%	. acous animotomy ravours no ani	····otorriy
Risk of bias legend								

1.15 Maternal infection



1.18 Admission to special care baby unit/neonatal intensive care unit

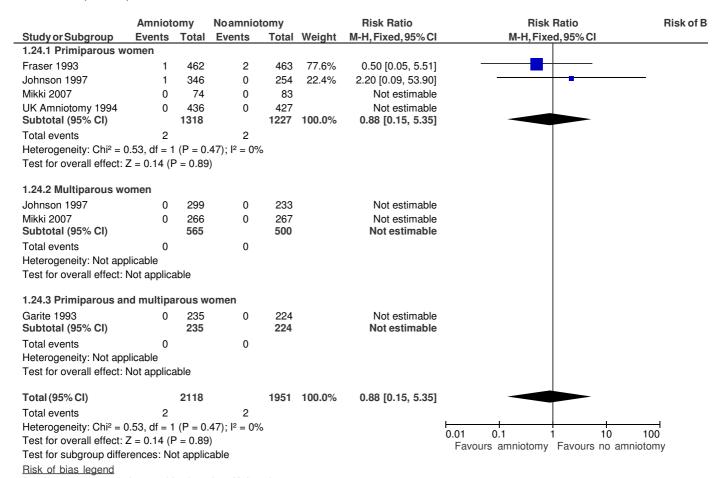


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1.22 Perinatal death

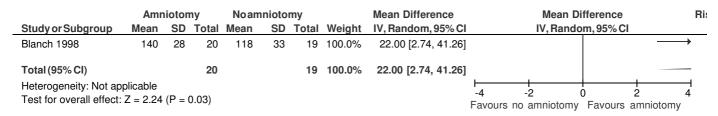
	Amniot	omy	Noamnio	tomy		Risk Ratio	Risk R	atio	Risk of E
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed	,95% CI	
1.22.1 Primiparous w	omen /								
Fraser 1991	0	47	0	50		Not estimable			
Fraser 1993	0	462	0	463		Not estimable			
Johnson 1997	0	346	0	255		Not estimable			
Laros 1972	0	28	0	30		Not estimable			
Mikki 2007	0	74	0	83		Not estimable			
UK Amniotomy 1994	0	436	0	427		Not estimable			
Wetrich 1970	0	16	0	16		Not estimable			
Subtotal (95% CI)		1409		1324		Not estimable			
Total events	0		0						
Heterogeneity: Not ap	plicable								
Test for overall effect:	Not applica	able							
1.22.2 Primiparous a	nd multipa	rous w	omen						
Stewart 1982	0	34	0	30		Not estimable			
Subtotal (95% CI)		34		30		Not estimable			
Total events	0		0						
Heterogeneity: Not app	plicable								
Test for overall effect:	Not applica	able							
1.22.3 Multiparous w	omen								
Laros 1972	0	42	0	25		Not estimable			
Mikki 2007	1	266	0	267	100.0%	3.01 [0.12, 73.59]			→
Subtotal (95% CI)		308		292	100.0%	3.01 [0.12, 73.59]			
Total events	1		0						
Heterogeneity: Not ap	plicable								
Test for overall effect:	Z = 0.68 (F	P = 0.50)						
Total (95% CI)		1751		1646	100.0%	3.01 [0.12, 73.59]			
Total events	1		0			- · · -		_	
Heterogeneity: Not ap	plicable		•				+ +	<u>_</u>	
Test for overall effect:		P = 0.50)				0.02 0.1 1	10	50
Test for subgroup diffe	,		,				Favours amniotomy	-avours no amni	otomy
Risk of bias legend	511000. 140	, applio							
HOLL OF DIAG TOGETIA									

1.24 Seizures (neonate)



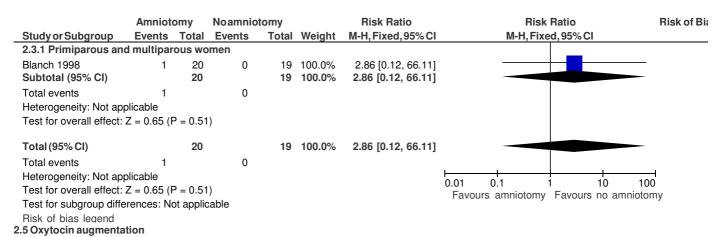
2 Amniotomy vs no amniotomy (dysfunctional labour)

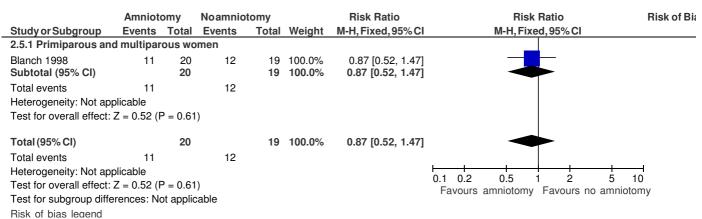
2.2 Maternal satisfaction with childbirth experience



Risk of bias legend

2.3 Apgar score less than 7 at 5 minutes





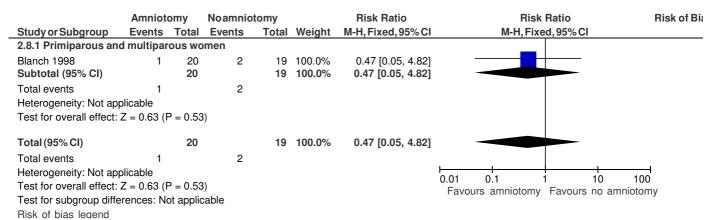
2.7 Caesarean section for fetal distress

Aı	mnioto	omy	Noamnio	tomy		Risk Ratio	Risk Ratio	Risk of Bi
Study or Subgroup Ev	vents	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95%	CI
2.7.1 Primiparous and mu	ultipar	ous wo	men					
Blanch 1998 Subtotal (95% CI)	1	20 20	0	19 19	100.0% 100.0 %	2.86 [0.12, 66.11] 2.86 [0.12, 66.11]		
Total events Heterogeneity: Not applical Test for overall effect: Z = 0		P = 0.51)	0					
Total (95% CI)		20		19	100.0%	2.86 [0.12, 66.11]		
Total events	1		0					
Heterogeneity: Not applical	ıble							10 100
Test for overall effect: $Z = 0$	0.65 (P	P = 0.51)				0.01 0.1 1 Favours amniotomy Favour	10 100
Test for subgroup difference	ces: No	t applic	able				ravours animotomy ravou	is no animolomy
Risk of bias legend								

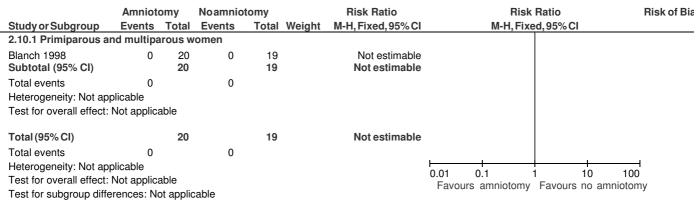
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Amniotomy for shortening spontaneous labour [Data only. When citing this record...17-Sep-2014

2.8 Caesarean section for prolonged labour



2.10 Admission to special care baby unit/neonatal intensive care unit



Risk of bias legend