

Comparison 2.p. Patient-controlled analgesia (PCA) pentazocine compared with PCA pethidine

Source:† Ullman R, Smith LA, Burns E, Mori R, Dowswell T. Parenteral opioids for maternal pain management in labour. Cochrane Database Syst Rev. 2010;(9):CD007396.

No. of studies	Study design	Quality assessment					No. of participants		Effect		Certainty (GRADE)	Importance
		Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	PCA pentazocine	PCA pethidine	Relative (95% CI)	Absolute (95% CI)		
Pain score in labour												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	11	12	-	SMD 0.76 lower (1.62 lower to 0.09 higher)	⊕○○○ VERY LOW	critical
Pain relief rated as good one day after birth												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	9/14 (64.3%)	11/14 (78.6%)	RR 0.82 (0.51-1.32)	141 fewer per 1000 (from 251 more to 385 fewer)	⊕○○○ VERY LOW	critical
Epidural												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	3/14 (21.4%)	2/14 (14.3%)	RR 1.50 (0.29-7.65)	71 more per 1000 (from 101 fewer to 950 more)	⊕○○○ VERY LOW	critical
Caesarean section												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	0/14 (0.0%)	1/15 (6.7%)	RR 0.36 (0.02-8.07)	43 fewer per 1000 (from 65 fewer to 471 more)	⊕○○○ VERY LOW	critical
Nausea and vomiting												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	0/14 (0.0%)	5/15 (33.3%)	RR 0.10 (0.01-1.61)	300 fewer per 1000 (from 203 more to 330 fewer)	⊕○○○ VERY LOW	critical
Sedation												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	0/14 (0.0%)	2/15 (13.3%)	RR 0.21 (0.01-4.09)	105 fewer per 1000 (from 132 fewer to 412 more)	⊕○○○ VERY LOW	critical
Apgar score < 7 at 5 minutes												
1	RCT	serious ^a	not serious	not serious	very serious ^c	none	0/14 (0.0%)	0/15 (0.0%)	not estimable	-	⊕○○○ VERY LOW	critical

† Updated for the purpose of this guideline.

No. of studies	Study design	Quality assessment					No. of participants		Effect		Certainty (GRADE)	Importance
		Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	PCA pentazocine	PCA pethidine	Relative (95% CI)	Absolute (95% CI)		
Breastfeeding at discharge												
1	RCT	serious ^a	not serious	not serious	very serious ^b	none	11/11 (100.0%)	12/12 (100.0%)	RR 1.00 (0.85-1.17)	0 fewer per 1000 (from 150 fewer to 170 more)	⊕○○○ VERY LOW	critical

CI: confidence interval; RCT: randomized controlled trial; RR: risk ratio; SMD: standardized mean difference.

^a Effect estimate from single study with a moderate risk of bias.

^b Wide confidence interval crossing the line of no effect and small sample size.

^c Small sample size and no events