Revman Plots: Ibuprofen

Pain

			Experimental	Control		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Std. Mean Difference	SE	Total	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI		
Smith 1996	0.77	0.36	10	10	100.0%	0.77 [0.06, 1.48]	-		
Total (95% CI)			10	10	100.0%	0.77 [0.06, 1.48]	•		
Heterogeneity: Not applicable Test for overall effect: Z = 2.14 (P = 0.03)							-4 -2 0 2 4 Favours Ibuprofen Favours Lid-pril		

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Question: Should ibuprofen vs control be used for reducing vaccine injection pain in people of all ages?

Settings: hospital

Bibliography: Smith 1996

Quality assessment						No of patients		Effect		Quality	Importance	
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Ibuprofen		Relative (95% CI)	Absolute		
Pain¹ (measured with: validated tool (Visual Analog Scale,0-100); Better indicated by lower values)												
1	randomised trials		no serious inconsistency	very serious ²	serious ³	none	10	10	-	SMD 0.77 higher (0.06 to 1.48 higher) ¹	⊕OOO VERY LOW	CRITICAL
Fear, Distress, Safety, Vaccine Compliance, Preference, Satisfaction (assessed with: no data were identified for this important outcome)												
0	No evidence available					none	-	- 0%	-	-		IMPORTANT

¹ Cross-over trial

² Includes adults undergoing venipuncture; ibuprofen 5% cream administered topically; comparison group was lidocaine-prilocaine 5% cream

³ Sample size was below the recommended optimum information size (OIS) of 400 for an effect size of 0.2.