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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	Control	Relative (95% CI)	Absolute		
Pain ¹ (measured with: validated tool (Visual Analog Scale,0-100); Better indicated by lower values)												
1	randomised trials	no serious risk of bias	no serious inconsistency	very serious ²	serious ³	none	10	10	-	SMD 0.77 higher (0.06 to 1.48 higher) ¹	⊕000 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	-	-	-	-		IMPORTANT
								0%		-		

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.