Author(s): AT/VS
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Question: Should the vastus lateralis vs deltoid be used for reducing vaccine injection pain in infants?
Settings: primary care practice
Bibliography: Celebioglu 2010

No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	The vastus lateralis	Deltoid	Relative (95% CI)	Absolute	Quality	Importance
Quality assessment							**No of patients**		**Effect**			
Distress (Acute) (measured with: validated tool (Neonatal Infant Pain Scale 0-7) by immunizer; Better indicated by lower values)												
1	randomised trials	serious[1]	no serious inconsistency	no serious indirectness	serious[2]	none	95	90	-	SMD 0.11 higher (0.18 lower to 0.40 higher)	⊕⊕OO LOW	CRITICAL
Distress (Acute + Recovery) (measured with: validated tool (Cry duration) by researcher; Better indicated by lower values)												
1	randomised trials	serious[1]	no serious inconsistency	no serious indirectness	serious[3]	none	95	90	-	SMD 0.70 lower (1.00 to 0.41 lower)	⊕⊕OO LOW	CRITICAL
Procedure Outcomes, Safety, Vaccine Compliance, Preference, Satisfaction (assessed with: no data were identified for these important outcomes)												
0	No evidence available					none	-	-	-	-		IMPORTANT
								0%		-		

[1] Immunizers, researchers and parents not blinded; post injection complications not reported

[2] Confidence intervals cross the line of nonsignificance and the sample size was below the recommended optimum information size (OIS) of 400 for an effect size of 0.2

[3] The sample size was below the recommended optimum information size (OIS) of 400 for an effect size of 0.2