Revman Plots: External vibrating device and cold children >3 – 17 years

Pain

	Vibrating d	No treatment			:	Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Berberich 2009	2	3.5	20	6.57	4.1	21	28.5%	-1.17 [-1.84, -0.51]	
Canbulat 2015	0.96	1.2	52	3.27	2.31	52	71.5%	-1.25 [-1.67, -0.82]	
Total (95% CI)			72			73	100.0%	-1.23 [-1.58, -0.87]	◆
Heterogeneity: Tau ² =	•	•	(P = 0.8	6); I ² = ()%				
Test for overall effect:	Z=6.74 (P < I	0.00001)							Favours Vibrating device Favours No treatment

Fear Pre-procedure

Vibrati		ting device and cold			No treatment			Std. Mean Difference	Std. Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI	
Canbulat 2015	3.08	4.15	52	2.08	2.9	52	100.0%	0.28 [-0.11, 0.66]		
Total (95% CI)			52			52	100.0%	0.28 [-0.11, 0.66]	•	
Heterogeneity: Not ap Test for overall effect:		0.16)							-2 -1 0 1 2 Favours Vibrating device Favours No treatment	

Distress Acute

	Vibrating d	No tr	eatme	ent		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Berberich 2009	1.93	1.89	20	6.1	2.39	21	39.4%	-1.89 [-2.64, -1.14]	_
Canbulat 2015	1.44	0.86	52	4.79	1.68	52	60.6%	-2.49 [-3.01, -1.98]	
Total (95% CI)			72			73	100.0%	-2.26 [-2.83, -1.68]	◆
Heterogeneity: Tau² = Test for overall effect:			-2 -1 0 1 2 Favours Vibrating device Favours No treatment						

Distress Pre-procedure

	levice and	No treatment				Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Canbulat 2015	3.23	2.75	52	3.19	2.39	52	100.0%	0.02 [-0.37, 0.40]	
Total (95% CI)			52			52	100.0%	0.02 [-0.37, 0.40]	★
Heterogeneity: Not applicable Test for overall effect: Z = 0.08 (P = 0.94)									-2 -1 0 1 2 Favours Vibrating device Favours No treatment