















Background

Although acupuncture is widely used for chronic pain, there remains considerable controversy as to its value. We aimed to determine the effect size of acupuncture for 4 chronic pain conditions: back and neck pain, osteoarthritis, chronic headache, and shoulder pain.

Methods

We conducted a systematic review to identify randomized controlled trials (RCTs) of acupuncture for chronic pain in which allocation concealment was determined unambiguously to be adequate. Individual patient data meta-analyses were conducted using data from 29 of 31 eligible RCTs, with a total of 17 922 patients analyzed.



Cure Effect size 1

Comfort "Moderate effect" ES 0.5 - 0.8 "Mild effect " ES 0.3 - 0.5

Consolation "Small effect " ES < 0.3



Individual metaanalysis n=17922

Acupuncture vs usual care

Acupuncture vs sham

Comfort Consolation

Vickers A CAMMAC, et al. Acupuncture for chronic pain: Individual patient data meta-analysis. Archives of Internal Medicine 2012;**172(19):1444-53** The acupuncture trialists state: "However, these differences are relatively modest, suggesting that factors in addition to the specific effects of needling are important contributors to the therapeutic effects of acupuncture."

the magnitude of the effect directly related to the crucial surgical element was generally small. The monotonic suggest that some surgical procedures may have a placebo effect and that some of the benefits of surgery are related to factors other than the crucial surgical element."

wska, K., et al. (2014). "Use of placebo controls in the evaluation of surgery: systematic review. <u>BMJ: British Medical Journal 348.</u>



Staty	Comparison groups	Outcome	Odds ratio	(95% C0	Odds ratio (95% C)	
Company disease						
Salem et al 2004	Laser revascularisation y placebo	Acoina class		-	3.17 (1.07 11 9.41)	
Globus sensation						
Raiboul et al 1008	Anno siarra casa isias unistate	intercontrated in constants			78 93 (2 18 to 1893 14)	
Gasterointestinal bleeding	New President Configuration of President					
Eleberhar et al 1995	I starty sizebo	Dimary has montants		_	A5 00 (2 01 to 1005 75)	
Debrhar et al 1905	I mer v alsraho	Publands		-	3 50 10 55 (n 22 30)	
Hutless at al 1994	Sciannert Inlaritan violaraba	Publands			1.42(0.0511.2.15)	
Hartless at al 1994	Sciencent inlection volaraba	Death presenting			0.76 (0.46 to 1.76)	
Lains et al 1987	Commutation violanaba	Dimara has montants		_	63 33 (9 51 In 471 87)	
Laise et al 1987	Coast-lation violarebo	Death prevention	_	-	7.34 (0.16 to 151.09)	
Freitas et al 1985	Flectorcoamilition volaceba	Primary harmonitanis		-	6 75 (0.0116 49 21)	
feeling of al 1985	Electrocompliting universe	Danth accession		-	100(1057101100)	
fullence at al 1880	Mantas suble understa	Distant preventation			118 56 (5 8116 1772 78)	
Ediates at al 1880	Nexter sube universe	Published			13 18 5 41 10 315 83	
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Mari and at al 1983	I starty slovabo	Danth rewarding		-	1.02.03.15 (0.21.61)	
Damatti's damalaria	Carlo - Parton	and a second sec			101 (113 (0.21/02)	
Chabren at al 2000	0° shistles - sleephs	For disables of these losis			33 (7 (3 7) (- 70 0))	
Shaheen et al 2009	05 abiation v placebo	Englishing of materials		-	22/8/ (8/219 36.94)	
shereer et al 2009	in souther a barrent	Elastication of metaphetical			143.88 (16.33 18 11 13.87)	
Gastio-Gesophageal letux						
Deview et al 2005	Inplace v placebo	Heartown Gold>Held.		-	3.68 (1.19 to 11.38)	
Februaries et al 2007	Faster lash a starter	Parlas many labilities and			5.47 (2.45 (8 12.12)	
Exhausts at al 2007	Marcha unbiggedian anun	Pratan pump inhibitar una		_	13 43 (3 43 14 343 33)	
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Stearst at al 2008	Implant uplaceba	Participan on annual humanoon index		-	3 (10 (1) 00 11 0 50)	
Másilov's disease		the second s			100,000,000,000	
Thomas et al 1981	Endolwarchatic shard u mastalider tame	international in participant			0.18(0.01114.25)	
Indometricula	construction of the state of th				ALL & GOOD ALL & B. (1)	
Abbert et al 2004	instantiale success y delever to mere	Internet mentils and			8.67 (2.03 to 37.38)	
Sattan et al 1994	a ser ablation v riareba	introver ment in sain			5.71 (1.89 to 17.25)	
Mienaine						
Dowson et al 2008	inniart v niareba	Cessation of missaine attacks		_	0.99(0.1919.5.05)	
Summe et al 2009	Surgery y placeba	Prelaction in mirraine attacks		-	3.76 (1.27 to 11.13)	
Guardo et al 2009	Sumary v riaraba	Correction of migration wherein			1 82 (0 69 11 6 76)	
licianas strass incontinence	Sedera chances	commente ingrand enters			1141.0000 10 40 00	
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		0.0	0036 1	273	r4	
		Tes .	ours placebo	Favours treatme	et	
Wartolowska, K., et al. (2014), "Use of placebo controls in the evaluation of surgery: systematic review."						
	PA4I: Pritich Modical Journal 249					
owu, ontan Medical Journal 346.						





The overall magnitude of the nocebo effect was moderate to large (lowestg = 0.62 [0.24–1.01] and highest g = 1.03 [0.63–1.43]) and highest g = 1.03 [0.63–1.43] back of the state of the set of t

Petersen, G. L., et al. (2014). "The magnitude of nocebo effects in pain: A meta-analysis." PAIN® 155(8): 1426-1434.











