

Attached list 17: Effect of sham group in surgery studies

Study	Disease	Parameter	Groups	No	Before	After	Improve rate
Buchbinder R (2009)	Vertebral Fractures	VAS at 35 weeks	Vertebroplasty	38	7.3	5	32%
			Sham surgery	40	7.3	5.7	22%
Chaudet A (2015)	Hip-fracture	VAS	Femoral blockades	26	50	22	56%
			Sham infusion	29	50	20	60%
Cobb L (2014)	Angina pectoris	Subjective improvement rate	Ligated	4			32%
			Sham Ligated	3			43%
Corley DA (2003)	Gastroesophageal reflux disease	Heartburn symptoms	Radiofrequency energy delivery	35			61%
			Sham operation	29			33%
Dowson A (2008)	Migraine with aura		PFO closure with the STARFlex implant	67	27	18	33%
			Sham procedure	72	30	21	30%
Geenen JE (1989)	Sphincter-of-Oddi Dysfunction	% of case cured	sphincterotomy	11			91%
			Sham procedure	12			25%
Gross RE (2011)	Parkinson's disease	UPDRS off-state motor score at 12 months	RPE cells transplatation	35	51.9	27.2	
			Sham procedure	36		10	
Guyuron B (2009)	Migraine	% of patients with 50% pain	Trigger point deactivation	49			83.70%
			Sham operation	26			57.70%

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Leon MB (2005)	Percutaneous myocardial laser revascularization	Time to onset of angina	low-dose laser channel	98	285.3	368	22.5%
			High-dose laser channel	98	269.7	363.4	25.8%
			Sham procedure	102	272.7	320.8	15.0%
Linde C (1999)	Obstructive hypertrophic cardiomyopathy	LV outflow tract gradient	pacemaker implantation	40	70	33	53%
			Sham procedure	40	71	52	27%
Sawada K (2005)	Ulcerative Colitis	Clinical activity index	Leukocytapheresis	10			80%
			Sham apheresis	9			33%
Sihvonen R (2013)	Degenerative Meniscal Tear	Pain score after exercise	Arthroscopic Partial Meniscectomy	70	5.8	2.7	53%
			Sham apheresis	76	6.1	2.9	52%
Bretlau P (1984)	Meniere's disease	Hearing tests	endolymphatic sac-mastoid shunt	30			70%
			Sham apheresis	30			70%
Vale PR (2001)	Angina	Angina episodes per week at	Myocardial Gene Transfer	6	36	15	58%
			Sham apheresis	3	40	15	63%
Kallmes DF (2009)	Osteoporotic Spinal Fractures	Pain scale	Vertebroplasty	68	6.9	3.9	43%
			Sham operation	63	7.2	4.6	36%
Kirkley A (2008)	Osteoarthritis of the Knee	Pain scale	Arthroscopic Surgery	92	239	141	41%
			Sham operation	86	214	172	20%
Moseley JB	Osteoarthritis on Knee	Pain scale	Arthroscopy lavage	61	59.3	53.3	10%

(2002)	Debridement	59	59.3	57.8	3%
	Sham operation	60	59.5	53.6	10%