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Characteristics of Previous Systematic Reviews

Study	Drug name(s)	Dose	Route of admin.	Frequency of admin.	Included studies	Control	Duration	Pain Outcomes
<i>Systematic Reviews</i>								
Campbell 2001	THC extract, nitrogen analog (NIB), levonantradol, benzopyrano-peridine	1.5-10 mg	Oral capsules, intramuscular	NR	9 RCTs (222 patients); 2 trials of post-surgical pain	Codeine, secobarbital, placebo	NR	VAS or SPID = / -
Covarrubias-Gomez 2008*	NR	NR	NR	NR	41 studies	NR	NR	Pain measure NR +
Deshpande 2015	Herbal cannabis	Various	Smoked, vaporized	Various	6 RCTs (226 patients); 1 RCT post-trauma pain	Placebo cigarettes	17 days to 8 weeks	VAS and unspecified pain measure +
Fitzcharles 2016	Nabiximols	NR	Oral spray	NR	4 RCTs (201 patients); 2 studies (132 patients) arthritis	Placebo, amytryptiline, naproxen	2-8 weeks	VAS, unspecified daily pain scale =
	Nabilone	0.5-1mg	Oral capsule					
	FAAH inhibitor	NR	NR					
Hwang 2016	Natural cannabis, nabiximols, dronabinol, nabilone, THC extract	250 µg and up	Smoked, oral spray, oral capsule	Various	33 RCTs (2014 patients); 1 study (23 patients) trauma/surgery	Placebo, dihydrocodeine	8 hours – 24 months	VAS, unspecified 11 point scale, McGill, descriptor differential scale, NRS + / =
Khaiser 2016	Natural cannabis,	1%-9% THC	Smoked, vaporized,	1-12 inhalations	11 studies (420 patients); (23	Low dose cannabis,	5-21 days	VAS, NRS, descriptor

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	dronabinol		edible, topical	per session; some NR	patients) trauma/surgery	placebo,		differential scale, global impression of change, McGill +
Kung 2011*	NR	NR	NR	NR	4 RCTs (218 patients); all MSK	NR	NR	Pain measure NR +
Lynch 2015	Nabilone, natural cannabis, FAAH inhibitor, THC extract,	NR	Smoked, oral spray, vaporized, oral capsule	NR	11 studies (1135 patients); 1 study (74 patients) arthritis	Amytryptiline, ibuprofen, placebo	3 days – 14 weeks	McGill, VAS, WOMAC pain, NRS, BPI, neuropathic pain scale +
MacFarlane 2011	Nabiximols	Mean 14.6 mg THC and 13.5 mg CBD	Oral spray	Daily	1 RCT (58 arthritis patients); -SR of 34 RCTs on alternative medicine	Placebo	5 weeks	McGill, NRS +
Martin-Sanchez 2009	THC extract, nabilone, Nitrogen analog (NIB), dronabinol, CBD extract	0.5 mg and up	Oral spray, oral capsules	NR	18 RCTs (809 patients); 1 study (58 patients) arthritis	Codeine, placebo, secobarbital	5 days – 16 weeks	NRS, VAS, 11-point box text, subjective pain assessment + (but possible harms identified)
Stevens 2017	Nabilone, THC extract, levonantradol, dronabinol	1-3 mg	Oral capsules, intramuscular	NR	7 RCTs (611 surgical patients)	Ketoprofen, placebo, pethidine, naproxen, ibuprofen	NR	Pain measure NR =

Appendix 1 to Madden K, George A, van der Hoek NJ, et al. Cannabis for pain in orthopaedics: a systematic review focusing on study methodology. *Can J Surg* 2019.

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Wang 2008	NR	NR	NR	NR	23 RCTs and 8 obs. studies (1932 patients)	Placebo	Mean 2 weeks. Range 8 hours–12 months	None
<i>Legend</i>								
●* - Cannabis performed significantly better than comparator for pain outcomes			●= - Inconclusive or no difference on pain outcomes			●- - Cannabis performed worse than comparator for pain outcomes		