

APPENDIX 1

Appendix 1a. Table S1: Advanced search history in Embase from inception to July 2019

#	Searches	Results	Type
1	exp fibromyalgia/	19166	Advanced
2	"fibromyalgi*".ab,kw,ti.	15965	Advanced
3	1 or 2	20675	Advanced
4	"nocicept* flex* refle*".ab,kw,ti.	484	Advanced
5	exp flexor reflex/	2610	Advanced
6	RIII.mp.	1119	Advanced
7	nocicept* flex* reflex.mp.	469	Advanced
8	4 or 5 or 6 or 7	3818	Advanced
9	3 and 8	34	Advanced

Appendix 1b. Table S2: Advanced search in Cochrane Clinical Answers (CCA), Cochrane Central Register of Controlled Trials (CCRCT), Cochrane Database of Systematic Reviews (CDSR) from inception to July 2019

#	Searches	Results	Type
1	Fibromyalgia.mp. or exp Fibromyalgia/	2769	Advanced
2	"Fibromyalgi*".ab,hw,kf,kw,sy,ti,tw.	2776	Advanced
3	1 or 2	2776	Advanced
4	"nocicept* flex* refle*".ab,hw,kf,kw,sy,ti,tw.	102	Advanced
5	flexion reflex.mp.	114	Advanced
6	RIII.mp.	126	Advanced
7	4 or 5 or 6	222	Advanced
8	3 and 7	13	Advanced

Appendix 1c. Table S3: Advanced search in PsycINFO Inception to June Week 4 2019

#	Searches	Results	Type
1	Fibromyalgia.mp. or exp Fibromyalgia/	3276	Advanced
2	"Fibromyalgi*".ab,hw,kf,kw,sy,ti,tw.	3153	Advanced
3	"nocicept* flex* refle*".ab,hw,kf,kw,sy,ti,tw.	174	Advanced
4	flexion reflex.mp.	540	Advanced
5	RIII.mp.	75	Advanced
6	exp Flexion Reflex/ or nociceptive flexion reflex.mp.	452	Advanced
7	1 or 2	3278	Advanced
8	3 or 4 or 5 or 6	582	Advanced
9	7 and 8	7	Advanced

Appendix 1d. Table S4: Advanced search in Ovid MEDLINE ALL since inception to July 08, 2019

#	Searches	Results	Type
1	(nocicept* adj2 (flex* or withdraw*) adj2 reflex??).ab,hw,kf,kw,ot,sy,ti,fx.	566	Advanced
2	(flex* adj2 withdrawal adj2 reflex??).ab,hw,kf,kw,ot,sy,ti,fx.	106	Advanced

3	((flex* or withdrawal) adj2 reflex??).ab,hw,kf,kw,ot,sy,ti,fx.	2569	Advanced
4	RIII.ab,hw,kf,kw,ot,sy,ti,fx.	1250	Advanced
5	1 or 2 or 3 or 4	3721	Advanced
6	fibromyalgia.mp. or Fibromyalgia/	11043	Advanced
7	fibromyalgi*.ab,hw,kf,kw,ot,sy,ti,fx.	11081	Advanced
8	widespread musculoskeletal pain.mp.	228	Advanced
9	6 or 7 or 8	11138	Advanced
10	5 and 9	19	Advanced

APPENDIX 2. Table S5: Details of the trials' sample size

Author (Year)	FM sample size (F:M)	HC sample size (F:M)
Boureau (1991)	9 (5:4)	17 (6:11)
Guieu (1994)	18 (13:5)	10 (8:4)
Desmeules (2003)	85 (76:9)	40 (35:5)
Banic (2004)	22 (18:4)	25 (20:5)
Bannett (2012)	30 (30:0)	30 (30:0)
Rhudy (2013)	17 (14:3)	19 (16:3)
Umeda (2013)	8 (8:0)	14 (14:0)
Desmeules (2014)	134 (127:10)	99 (91:8)
Tanwar (2019)	100 (100:0)	72 (72:0)

FM: Fibromyalgia; HC: Healthy Control; F: Females; M: Males.