

Record ID	Study ID	1st entry for study	N randomised	Outcome domain	comparison 1 (arms contributed)	comparison 2 (arms contributed)	Population group	Reason missing from meta-analysis	Details	outcome no
169-S	Alavi 2017	no	120	pain	C1. AT(NM) v control (NM) C1. AT(M) v control (NM)		labour & childbirth	Results unavailable or uninterpretable	Data uninterpretable (no summary statistics per group; no effect estimates for comparisons of interest [reported comparison: AT v AT])	1
121-S	Arslan 2020	yes	126	pain	C1. AT(NM) v control (NM)		procedures	Data unsuitable	Cannot calculate effect estimate from data: med_min_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.)	1
159-S	Biçer 2015	yes	50	pain	C1. AT(M) v control (NM)		procedures	Data unsuitable	A reasonable imputation of the SD could not be found in this case. (Study data: missing_sd)	1
156-S	Burns 2007	yes	513	pain	C1. AT(NM) v control (NM)		labour & childbirth	Results unavailable or uninterpretable	Missing results (2 eligible measures of pain; intensity reported for intervention group only; use of analgesia not reported because of 'low levels of use')	1
055-S	Gazerani 2021	yes	120	pain	C1. AT(NM) v control (NM)		surgery	Results unavailable or uninterpretable	Irreconcilable errors (identical results for both arms in table; text says 'significant difference'. Unclear which is correct).	1
135-S	Gok Metin 2017	yes	46	pain	C1. AT(M) v control (NM)		other chronic pain	Data unsuitable	Cannot calculate effect estimate from data: n_min_med_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	1
277-S	Hozumi 2017	no	364	pain	C1. AT(NM) v control (NM)		procedures	Results unavailable or uninterpretable	Data uninterpretable (no summary statistics per group; no effect estimates; unable to extract result from figure)	1
272-S	Izgu 2019a	yes	46	pain	C1. AT(M) v control (NM)		cancer & advanced disease	Data unsuitable	Cannot calculate effect estimate from data: n_mean_min_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	1
266-S	Kabiri 2018	no	93	pain	C1. AT(NM) v control (NM)		chronic musculoskeletal	Results unavailable or uninterpretable	Data uninterpretable (effect estimate from model comparing 3 arms, including one ineligible [massage not in AT arm]; no summary statistics per group)	1
115-S	Karaman 2016	yes	106	pain	C1. AT(NM) v control (NM)		procedures	Data unsuitable	Cannot calculate effect estimate from data: n_mean_min_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	1
258-S	Khiewkhern 2013	yes	66	pain	C1. AT(M) v control (NM)		cancer & advanced disease	Data unsuitable	A reasonable imputation of the SD could not be found in this case. (Study data: missing_sd)	1
255-S	Kim 2006	no	50	pain	C1. AT(NM) v control (NM)		surgery	Results unavailable or uninterpretable	Data uninterpretable (unable to interpret results because of ambiguous/incomplete reporting)	1
256-S	Kim 2007	yes	54	pain	C1. AT(NM) v control (NM)		surgery	Data unsuitable	A reasonable imputation of the SD could not be found in this case. (Study data: missing_sd)	1
044-S	Mirhosseini 2021.1	yes	80	pain		C2. AT(M) v (M)	surgery	Results unavailable or uninterpretable	Missing results (pain [VAS] outcome listed as measured in registry; results not in linked report)	1
229-S	Ndao 2012	no	37	pain	C1. AT(NM) v control (NM)		procedures	Results unavailable or uninterpretable	Irreconcilable errors (pain and nausea, the reported % with event is not possible for the number of participants)	1
352-S	Ozel 2021	yes	80	pain	C1. AT(NM) v control (NM)		procedures	Data unsuitable	Cannot calculate effect estimate from data: n_min_med_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	1
210-S	Shin 2007	yes	30	pain	C1. AT(NM) v control (NM)		other chronic pain	Data unsuitable	Cannot calculate effect estimate from data: n_median_CI	1
189-S	Shirazi 2017	yes	120	pain	C1. AT(NM) v control (NM)		chronic musculoskeletal	Data unsuitable	A reasonable imputation of the SD could not be found in this case. (Study data: missing_sd)	1
342-S	van Dijk 2018	yes	287	pain	C1. AT(M) v control (NM)	C2. AT(M) v (M)	other acute pain	Data unsuitable	Only available estimate adjusted for variable collected post-randomisation (multiple baseline measures).	1
255-S	Kim 2006	yes	50	nausea & vomiting	C1. AT(NM) v control (NM)		surgery	Results unavailable or uninterpretable	Data uninterpretable (unable to interpret results because of ambiguous/incomplete reporting)	2
305-S	Mehta 1998	yes	120	nausea & vomiting	C1. AT(NM) v control (NM)		surgery	Results unavailable or uninterpretable	Missing result (N&V outcome reported in letter as "no significant differenc between groups .. [for] complications")	2

Appendix E4. List of studies eligible for the evidence synthesis with data that could not be included for meta-analysis

Record ID	Study ID	1st entry for study	N randomised	Outcome domain	comparison 1 (arms contributed)	comparison 2 (arms contributed)	Population group	Reason missing from meta-analysis	Details	outcome no
229-S	Ndao 2012	yes	37	nausea & vomiting	C1. AT(NM) v control (NM)		procedures	Results unavailable or uninterpretable	Irreconcilable errors (pain and nausea, the reported % with event is not possible for the number of participants)	2
174-S	Stallings-Welden 2018	yes	221	nausea & vomiting	C1. AT(NM) v control (NM)		surgery	Results unavailable or uninterpretable	Data uninterpretable (no summary statistics per group; no effect estimates; unable to extract result from figure)	2
070-S	Cheraghbeigi 2019	yes	150	sleep quality	C1. AT(M) v control (NM)	C2. AT(M) v (M)	hospitalisation	Data unsuitable	Cannot calculate effect estimate from data: n_median_range. Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.)	3
260-S	Kawabata 2020	yes	74	sleep quality	C1. AT(M) v control (NM)		cancer & advanced disease	Data unsuitable	Cannot calculate effect estimate from data: n_median_SD	3
200-S	Lillehei 2015	yes	79	sleep quality	C1. AT(NM) v control (NM)		sleep disturbance	Data unsuitable	Only available estimate adjusted for variable collected post-randomisation (sleep hygiene).	3
224-S	Ozkaraman 2018	no	70	sleep quality	C1. AT(NM) v control (NM)		cancer & advanced disease	Results unavailable or uninterpretable	Irreconcilable errors (identical data reported for both groups in Table)	3
133-S	Graham 2003	yes	313	fatigue	C1. AT(NM) v control (NM)		chronic conditions	Data unsuitable	Cannot calculate effect estimate from data: missing_n for each group (overall only) so cannot use available data in MA. Unlike EFMH outcome (anxiety, HADS scale), no group data reported and odds ratio is at baseline only.	4
272-S	Izgu 2019a	no	46	fatigue	C1. AT(M) v control (NM)		cancer & advanced disease	Data unsuitable	Cannot calculate effect estimate from data: n_mean_min_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	4
343-S	Uzunçakmak 2018	yes	90	fatigue	C1. AT(NM) v control (NM)		chronic conditions	Results unavailable or uninterpretable	Data uninterpretable (insufficient information to interpret measures of fatigue or EFMH; unclear if study participants meet EFMH criteria given trial eligibility based on overall symptoms)	4
093-S	Abdollahi 2020	yes	60	emotional functioning & mental health	C1. AT(NM) v control (NM)		chronic conditions	Results unavailable or uninterpretable	Irreconcilable errors (e.g. change score cannot be replicated; errors in SDs)	5
169-S	Alavi 2017	yes	120	emotional functioning & mental health	C1. AT(NM) v control (NM) C1. AT(M) v control (NM)		labour & childbirth	Results unavailable or uninterpretable	Data uninterpretable (no summary statistics per group; no effect estimates for comparisons of interest [reported comparison: AT v AT])	5
121-S	Arslan 2020	no	126	emotional functioning & mental health	C1. AT(NM) v control (NM)		procedures	Data unsuitable	Cannot calculate effect estimate from data: med_min_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	5
327-S	Corner 1995	yes	52	emotional functioning & mental health		C2. AT(M) v (M)	cancer & advanced disease	Data unsuitable	Cannot calculate effect estimate from data: median_change_unspecified_variance There were no mean values given and not enough information to calculate a measure of variance.	5
049-S	Fu 2013	yes	67	emotional functioning & mental health	C1. AT(NM) v control (NM)		dementia	Results unavailable or uninterpretable	Data uninterpretable (no summary statistics per group; no effect estimates)	5
277-S	Hozumi 2017	yes	364	emotional functioning & mental health	C1. AT(NM) v control (NM)		procedures	Results unavailable or uninterpretable	Data uninterpretable (no summary statistics per group; no effect estimates; unable to extract result from figure)	5
196-S	Lemon	yes	32	emotional functioning & mental health		C2. AT(M) v (M)	mental disorders	Results unavailable or uninterpretable	Missing results: means with no measure of variance; p value from Mann Whitney cannot be used to calculate	5
238-S	Mascherona 2020	yes	32	emotional functioning & mental health	C1. AT(NM) v control (NM)		dementia	Data unsuitable	A reasonable imputation of the SD could not be found in this case. (Study data: missing_sd)	5
303-S	Mitchell 1993	yes	12	emotional functioning & mental health	C1. AT(NM) v control (NM)		dementia	Results unavailable or uninterpretable	Data uninterpretable: study-specific measure without a measure of variance; cannot impute	5

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235-S	Muzzarelli 2006	yes	118	emotional functioning & mental health	C1. AT(NM) v control (NM)		surgery	Results unavailable or uninterpretable	Data uninterpretable (mean/SD for entire sample not per group; no effect estimates)	5
352-S	Ozel 2021	no	80	emotional functioning & mental health	C1. AT(NM) v control (NM)		procedures	Data unsuitable	Cannot calculate effect estimate from data: n_min_med_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	5
224-S	Ozkaraman 2018	yes	70	emotional functioning & mental health	C1. AT(NM) v control (NM)		cancer & advanced disease	Results unavailable or uninterpretable	Irreconcilable errors (identical data reported for both groups in Table)	5
294-S	Premkumar 2019	yes	72	emotional functioning & mental health	C1. AT(NM) v control (NM)		procedures	Results unavailable or uninterpretable	Data uninterpretable: results for 5 numbered items cannot be matched to scale because domain/item content is not reported	5
295-S	Saiyudthong 2009	yes	40	emotional functioning & mental health		C2. AT(M) v (M)	mental distress	Data unsuitable	Cannot calculate effect estimate from data: % decreases; missing_n	5
176-S	Waldman 1993	yes	122	emotional functioning & mental health	C1. AT(M) v control (NM)	C2. AT(M) v (M)	hospitalisation	Results unavailable or uninterpretable	Data uninterpretable (% with event reported without no. participants; incomplete information to interpret scale)	5
339-S	Watson 2019	yes	75	emotional functioning & mental health	C1. AT(NM) v control (NM)		dementia	Data unsuitable	Cannot calculate effect estimate from data: no variances; crossover trial	5
125-S	Yoshiyama 2015.1	yes	14	emotional functioning & mental health		C2. AT(M) v (M)	dementia	Results unavailable or uninterpretable	Missing results (p value only in text; unable to extract results from figure)	5
150-S	Cino 2014	no	118	HR-QoL	C1. AT(M) v control (NM)	C2. AT(M) v (M)	other chronic pain	Data unsuitable	Cannot calculate effect estimate from data: missing_mean	6
135-S	Gok Metin 2017	no	46	HR-QoL	C1. AT(M) v control (NM)		other chronic pain	Data unsuitable	Cannot calculate effect estimate from data: n_min_med_max Cochrane handbook 6.5.2.6: As a general rule, we recommend that ranges should not be used to estimate SDs.	6
266-S	Kabiri 2018	yes	93	HR-QoL	C1. AT(NM) v control (NM)		chronic musculoskeletal	Results unavailable or uninterpretable	Data uninterpretable (effect estimate from model comparing 3 arms, including one ineligible [massage not in AT arm]; no summary statistics per group)	6
341-S	Varaei 2020	yes	96	HR-QoL	C1. AT(NM) v control (NM) C1. AT(M) v control (NM)		chronic conditions	Results unavailable or uninterpretable	Missing result (HRQoL in registry; reported in abstract as 'significant difference' within group only)	6
150-S	Cino 2014	yes	118	physical function	C1. AT(M) v control (NM)	C2. AT(M) v (M)	other chronic pain	Data unsuitable	Cannot calculate effect estimate from data: missing_mean	7
189-S	Shirazi 2017	no	120	physical function	C1. AT(M) v control (NM)		chronic musculoskeletal	Data unsuitable	A reasonable imputation of the SD could not be found in this case. (Study data: missing_sd)	7