Insomnia pairwise MAs

Prepared by Virginia Chiocchia on 30th July, refers to a single outcome analysis (Sleep Quality) in a frequentist setting

## Number of studies combined: k = 32  
##   
## SMD 95%-CI z p-value  
## Fixed effect model -0.1363 [-0.1906; -0.0821] -4.92 < 0.0001  
## Random effects model -0.1797 [-0.3630; 0.0037] -1.92 0.0548  
##   
## Quantifying heterogeneity:  
## tau^2 = 0.2041; H = 2.90 [2.52; 3.33]; I^2 = 88.1% [84.3%; 91.0%]  
##   
## Quantifying residual heterogeneity:  
## tau^2 = 0; H = 1.00 [1.00; 1.79]; I^2 = 0.0% [0.0%; 68.7%]  
##   
## Test of heterogeneity:  
## Q d.f. p-value  
## 260.60 31 < 0.0001  
##   
## Results for subgroups (fixed effect model):  
## k SMD  
## comparison = acetaminophen VS pbo 1 -0.2458  
## comparison = acupressure VS sham acupressure 2 -1.5756  
## comparison = artificial juice VS tart cherry ... 1 0.5129  
## comparison = auricular acupuncture VS control? 1 147.2884  
## comparison = BBT I VS self-monitoring control 1 0.0316  
## comparison = chlormethiazole VS triazolam 1 -0.3969  
## comparison = control/no intervention VS mimi ... 1 -0.0996  
## comparison = control/no intervention VS ther ... 1 -0.3236  
## comparison = diphenhydramine VS pbo 1 -0.1202  
## comparison = diphenhydramine VS temazepam 1 0.3607  
## comparison = doxepin VS pbo 2 -0.3545  
## comparison = esmirtazapine VS pbo 1 -0.1568  
## comparison = eszopiclone VS pbo 3 -0.3823  
## comparison = food supplement (melatonin, mag ... 1 -1.8986  
## comparison = LAT VS MAT 1 0.1212  
## comparison = LAT VS MAT+LAT 1 0.3852  
## comparison = loprazolam VS nitrazepam 1 0.0216  
## comparison = MAT VS MAT+LAT 1 0.2641  
## comparison = melatonin VS pbo 2 -0.7057  
## comparison = mimic therapeutic touch/placebo ... 1 -0.2239  
## comparison = Mindfulness Based Stress Reduct ... 1 -1.0397  
## comparison = nitrazepam VS zopiclone 1 0.0213  
## comparison = nitrazepam VS triazolam 1 0.4351  
## comparison = pbo VS temazepam 1 0.4810  
## comparison = pbo VS zaleplon 1 0.1359  
## comparison = pbo VS propiomazine 1 1.7696  
## comparison = pbo VS zolpidem 1 0.1780  
## 95%-CI Q  
## comparison = acetaminophen VS pbo [ -0.7718; 0.2801] 0.00  
## comparison = acupressure VS sham acupressure [ -1.9839; -1.1673] 2.43  
## comparison = artificial juice VS tart cherry ... [ 0.0892; 0.9366] 0.00  
## comparison = auricular acupuncture VS control? [113.2898; 181.2870] 0.00  
## comparison = BBT I VS self-monitoring control [ -0.4665; 0.5297] 0.00  
## comparison = chlormethiazole VS triazolam [ -0.9816; 0.1878] 0.00  
## comparison = control/no intervention VS mimi ... [ -1.1148; 0.9156] 0.00  
## comparison = control/no intervention VS ther ... [ -1.2974; 0.6502] 0.00  
## comparison = diphenhydramine VS pbo [ -0.2149; -0.0256] 0.00  
## comparison = diphenhydramine VS temazepam [ 0.0687; 0.6528] 0.00  
## comparison = doxepin VS pbo [ -0.5370; -0.1719] 1.17  
## comparison = esmirtazapine VS pbo [ -0.3542; 0.0407] 0.00  
## comparison = eszopiclone VS pbo [ -0.5171; -0.2475] 0.34  
## comparison = food supplement (melatonin, mag ... [ -2.6299; -1.1673] 0.00  
## comparison = LAT VS MAT [ -0.2796; 0.5220] 0.00  
## comparison = LAT VS MAT+LAT [ -0.0171; 0.7876] 0.00  
## comparison = loprazolam VS nitrazepam [ -0.6318; 0.6749] 0.00  
## comparison = MAT VS MAT+LAT [ -0.1277; 0.6559] 0.00  
## comparison = melatonin VS pbo [ -1.2590; -0.1525] 0.11  
## comparison = mimic therapeutic touch/placebo ... [ -1.1573; 0.7094] 0.00  
## comparison = Mindfulness Based Stress Reduct ... [ -1.5811; -0.4983] 0.00  
## comparison = nitrazepam VS zopiclone [ -0.4407; 0.4832] 0.00  
## comparison = nitrazepam VS triazolam [ -0.5602; 1.4303] 0.00  
## comparison = pbo VS temazepam [ 0.0825; 0.8795] 0.00  
## comparison = pbo VS zaleplon [ -0.0694; 0.3412] 0.00  
## comparison = pbo VS propiomazine [ 1.0160; 2.5232] 0.00  
## comparison = pbo VS zolpidem [ -0.1015; 0.4575] 0.00  
## tau^2 I^2  
## comparison = acetaminophen VS pbo -- --  
## comparison = acupressure VS sham acupressure 0 58.8%  
## comparison = artificial juice VS tart cherry ... -- --  
## comparison = auricular acupuncture VS control? -- --  
## comparison = BBT I VS self-monitoring control -- --  
## comparison = chlormethiazole VS triazolam -- --  
## comparison = control/no intervention VS mimi ... -- --  
## comparison = control/no intervention VS ther ... -- --  
## comparison = diphenhydramine VS pbo -- --  
## comparison = diphenhydramine VS temazepam -- --  
## comparison = doxepin VS pbo 0 14.8%  
## comparison = esmirtazapine VS pbo -- --  
## comparison = eszopiclone VS pbo 0 0.0%  
## comparison = food supplement (melatonin, mag ... -- --  
## comparison = LAT VS MAT -- --  
## comparison = LAT VS MAT+LAT -- --  
## comparison = loprazolam VS nitrazepam -- --  
## comparison = MAT VS MAT+LAT -- --  
## comparison = melatonin VS pbo 0 0.0%  
## comparison = mimic therapeutic touch/placebo ... -- --  
## comparison = Mindfulness Based Stress Reduct ... -- --  
## comparison = nitrazepam VS zopiclone -- --  
## comparison = nitrazepam VS triazolam -- --  
## comparison = pbo VS temazepam -- --  
## comparison = pbo VS zaleplon -- --  
## comparison = pbo VS propiomazine -- --  
## comparison = pbo VS zolpidem -- --  
##   
## Test for subgroup differences (fixed effect model):  
## Q d.f. p-value  
## Between groups 256.55 26 < 0.0001  
## Within groups 4.05 5 0.5417  
##   
## Results for subgroups (random effects model):  
## k SMD  
## comparison = acetaminophen VS pbo 1 -0.2458  
## comparison = acupressure VS sham acupressure 2 -1.5756  
## comparison = artificial juice VS tart cherry ... 1 0.5129  
## comparison = auricular acupuncture VS control? 1 147.2884  
## comparison = BBT I VS self-monitoring control 1 0.0316  
## comparison = chlormethiazole VS triazolam 1 -0.3969  
## comparison = control/no intervention VS mimi ... 1 -0.0996  
## comparison = control/no intervention VS ther ... 1 -0.3236  
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## comparison = nitrazepam VS triazolam 1 0.4351  
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## comparison = pbo VS propiomazine [ 1.0160; 2.5232] 0.00  
## comparison = pbo VS zolpidem [ -0.1015; 0.4575] 0.00  
## tau^2 I^2  
## comparison = acetaminophen VS pbo -- --  
## comparison = acupressure VS sham acupressure 0 58.8%  
## comparison = artificial juice VS tart cherry ... -- --  
## comparison = auricular acupuncture VS control? -- --  
## comparison = BBT I VS self-monitoring control -- --  
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## comparison = pbo VS zaleplon -- --  
## comparison = pbo VS propiomazine -- --  
## comparison = pbo VS zolpidem -- --  
##   
## Test for subgroup differences (random effects model):  
## Q d.f. p-value  
## Between groups 256.55 26 < 0.0001  
## Within groups 4.05 5 0.5417  
##   
## Details on meta-analytical method:  
## - Inverse variance method  
## - DerSimonian-Laird estimator for tau^2 (assuming common tau^2 in subgroups)

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