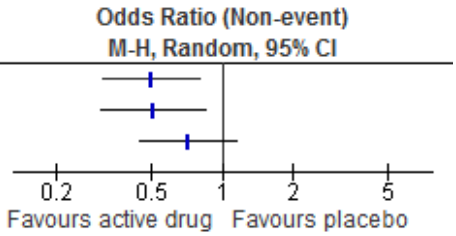
APPENDIX 13: INTERVENTIONS FOR MANIA – FOREST PLOTS

Pharmacological interventions

Outcomes for active treatment compared with placebo

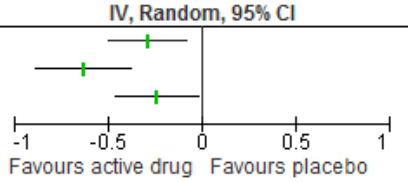
Response (50% reduction in manic symptoms) at post-treatment

Study or Subgroup	Active drug Events	Active drug Total	Placebo Events	Placebo Total	Odds Ratio (Non-event) M-H, Random, 95% CI
ASTRAZENECA2011 (Lithium)	137	173	120	183	0.50 [0.31, 0.81]
KANBA2012 (Aripiprazole)	64	128	44	130	0.51 [0.31, 0.85]
SZEGEDI2012 (Asenapine)	53	159	44	167	0.72 [0.44, 1.15]



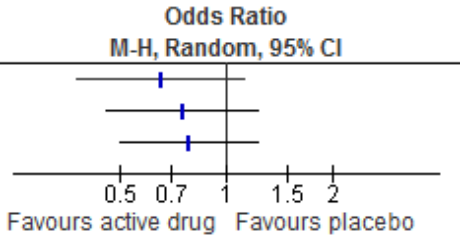
Symptoms of mania at post-treatment

Study or Subgroup	Active drug Mean	Active drug SD	Active drug Total	Placebo Mean	Placebo SD	Placebo Total	Std. Mean Difference IV, Random, 95% CI
ASTRAZENECA2011 (Lithium)	-22.8	9.28598	173	-20.1	9.432481	176	-0.29 [-0.50, -0.08]
KANBA2012 (Aripiprazole)	-11.3	9	122	-5.3	10	125	-0.63 [-0.88, -0.37]
SZEGEDI2012 (Asenapine)	-10.3	9.95992	155	-7.9	10.21372	163	-0.24 [-0.46, -0.02]



Number of participants discontinuing (for any reason)

Study or Subgroup	Active drug Events	Active drug Total	Placebo Events	Placebo Total	Odds Ratio M-H, Random, 95% CI
ASTRAZENECA2011 (Lithium)	26	173	39	183	0.65 [0.38, 1.13]
KANBA2012 (Aripiprazole)	56	128	66	130	0.75 [0.46, 1.23]
SZEGEDI2012 (Asenapine)	98	159	112	167	0.79 [0.50, 1.24]



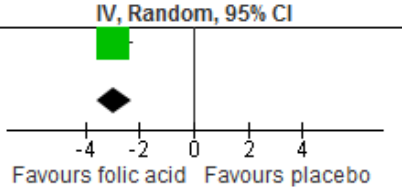
Nutritional interventions

Outcomes for folic acid compared with placebo

Symptoms of mania at post-treatment

Study or Subgroup	Folic acid Mean	Folic acid SD	Folic acid Total	Placebo Mean	Placebo SD	Placebo Total	Weight	Std. Mean Difference IV, Random, 95% CI
BEHZADI2009	7.1	0.9	41	10.1	1.1	43	100.0%	-2.95 [-3.58, -2.32]
Total (95% CI)			**41**			**43**	**100.0%**	**-2.95 [-3.58, -2.32]**

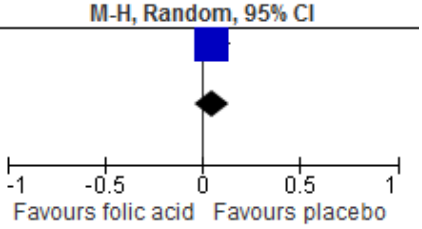
Heterogeneity: Not applicable
Test for overall effect: Z = 9.24 (P < 0.00001)



Number of participants discontinuing (for any reason)

Study or Subgroup	Folic acid Events	Folic acid Total	Placebo Events	Placebo Total	Weight	Risk Difference M-H, Random, 95% CI
BEHZADI2009	3	44	1	44	100.0%	0.05 [-0.04, 0.13]
Total (95% CI)		**44**		**44**	**100.0%**	**0.05 [-0.04, 0.13]**
Total events	3		1			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.03 (P = 0.30)



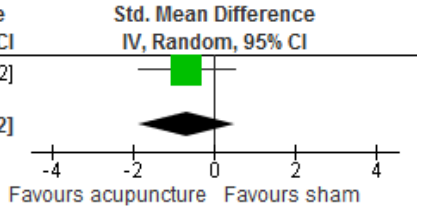
Non-pharmacological interventions

Outcomes for acupuncture compared with sham acupuncture

Symptoms of mania at post-treatment

Study or Subgroup	Acupuncture Mean	Acupuncture SD	Acupuncture Total	Sham acupuncture Mean	Sham acupuncture SD	Sham acupuncture Total	Weight	Std. Mean Difference IV, Random, 95% CI
DENNEHY2009A	4	4.1	5	8.2	6.6	7	100.0%	-0.68 [-1.87, 0.52]
Total (95% CI)			**5**			**7**	**100.0%**	**-0.68 [-1.87, 0.52]**

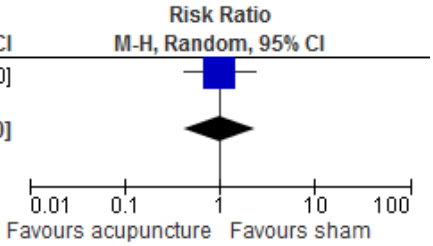
Heterogeneity: Not applicable
Test for overall effect: Z = 1.11 (P = 0.27)



Number of participants discontinuing (for any reason)

Study or Subgroup	Acupuncture Events	Acupuncture Total	Sham acupuncture Events	Sham acupuncture Total	Weight	Risk Ratio M-H, Random, 95% CI
DENNEHY2009A	5	10	5	10	100.0%	1.00 [0.42, 2.40]
Total (95% CI)		**10**		**10**	**100.0%**	**1.00 [0.42, 2.40]**
Total events	5		5			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.00 (P = 1.00)

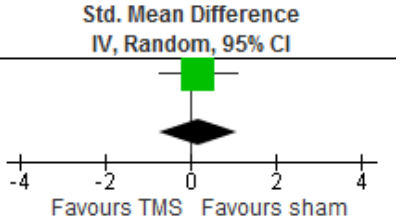


Outcomes for transcranial magnetic stimulation (TMS) compared with sham control

Symptoms of mania at post-treatment

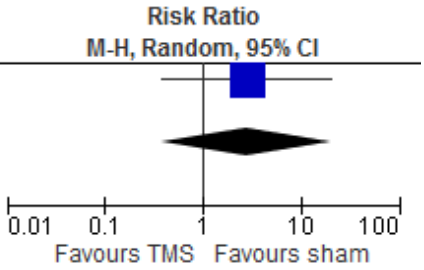
Study or Subgroup	TMS Mean	TMS SD	TMS Total	Sham TMS Mean	Sham TMS SD	Sham TMS Total	Weight	Std. Mean Difference IV, Random, 95% CI
KAPTSAN2003	15.7	9.4	11	14.1	7.3	8	100.0%	0.18 [-0.74, 1.09]
Total (95% CI)			**11**			**8**	**100.0%**	**0.18 [-0.74, 1.09]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.38 (P = 0.70)



Number of participants discontinuing (for any reason)

Study or Subgroup	TMS Events	TMS Total	Sham Events	Sham Total	Weight	Risk Ratio M-H, Random, 95% CI
KAPTSAN2003	5	16	1	9	100.0%	2.81 [0.39, 20.49]
Total (95% CI)		**16**		**9**	**100.0%**	**2.81 [0.39, 20.49]**
Total events	5		1			

Heterogeneity: Not applicable

Test for overall effect: Z = 1.02 (P = 0.31)