

G.7.2.2 Any cholinesterase inhibitor plus memantine versus cholinesterase inhibitor monotherapy

Quality assessment						No of patients		Effect estimate	Quality
No of studies	Design	Risk of bias	Indirectness	Inconsistency	Imprecision	Combination therapy	AChEI monotherapy	Effect size (95% CI)	
Cognition: MMSE higher values favour intervention									
Araki 2014; Choi 2011	RCT	Serious ¹	Not serious	Serious ²	Serious ³	96	87	MD 0.88 (-1.98, 3.75)	Very low
Cognition: ADAS-cog lower values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD -0.66 (-2.81, 1.49)	Low
Global (Clinical Global Impression- Improvement) lower values favour intervention									
Araki 2014	RCT	Serious ¹	Not serious	N/A	Not serious	12	13	MD -2.60 (-3.44, -1.76)	Moderate
Clock Drawing Test (CDT) higher values favour intervention									
Araki 2014	RCT	Serious ¹	Not serious	N/A	Not serious	12	13	MD 3.59 (1.39, 5.79)	Moderate
Neuropsychiatric (NPI) lower values favour intervention									
Araki 2014	RCT	Serious ¹	Not serious	N/A	Not serious	12	13	MD -23.71 (-32.51, -14.91)	Moderate
Neuropsychiatric (NPI) caregiver administered lower values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD 0.20 (-35.87, 36.27)	Low
Frontal Assessment Battery (FAB) lower values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD -0.20 (-0.93, 0.53)	Low
Clinical Dementia rating (sum of boxes) higher values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD 0.11 (-0.40, 0.62)	Low
Cohen Mansfield Agitation Inventory (CMAI) lower values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD 1.00 (-1.57, 3.57)	Low
Japanese Zarit Burden Interview (J-ZBI) lower values favour intervention									

Choi 2011	RCT	Serious ¹	Not serious	N/A	Not serious	84	74	MD -18.56 (-26.06, -11.06)	Moderate
Any adverse event: lower values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD 1.06 (0.79, 1.41)	Low
Any serious adverse event: lower values favour intervention									
Choi 2011	RCT	Serious ¹	Not serious	N/A	Serious ³	84	74	MD 1.89 (0.35, 10.03)	Low
<ol style="list-style-type: none"> 1. Not placebo controlled 2. I² >40% 3. Non-significant result 									