**Item S2 Formula for imputing change-from-baseline standard deviation using a correlation coefficient**

For studies where none of standard deviation, standard error or 95% confidential interval of change-from-baseline was reported, standard deviation of change-from-baseline was imputed using the formula below as recommended in Chapter 16.1.3.2 of the *Cochrane Handbook for Systematic Reviews of Interventions*, version 5.1. Corr stands for correlation coefficient, which was set at 0.8.

$$SD\_{change}=\sqrt{SD\_{baseline}^{2}+SD\_{final}^{2}-2×corr×SD\_{baseline}×SD\_{final}}$$