

## Online Supplementary File 3

Supplementary Table 1A: Assessment of risk of bias of RCT included studies through the Cochrane Risk of Bias Tool.

First Author	Selection bias		Reporting Bias	Performance bias	Detection bias	Attrition bias	Other	Total score
	Random sequence generation	Allocation concealment	Selective reporting	Blinding - participants & personnel	Blinding - outcome assessment	Incomplete outcome data	Other source of bias	
<b>Non-Pharmacological Management</b>								
<b>Exercise</b>								
Barger, et al.	Unclear	Low	Low	High	High	Unclear	Unclear	High 2, Low 2, Unclear 3
Yamanaka, et al.	Unclear	Low	Low	High	High	Unclear	Unclear	High 2, Low 2, Unclear 3
<b>Sleep</b>								
Petit, et al.2014	Unclear	High	High	High	High	Low	Unclear	High 4, Low 1, Unclear 2
Petit, et al.2018	Unclear	High	Low	High	High	Low	Unclear	High 3, Low 2, Unclear 2
Straub, et al.	High	High	High	High	High	High	Unclear	High 6, Low 0, Unclear 1
<b>Light</b>								
Thompson, et al.	Low	Low	Low	Low	Unclear	Low	Unclear	High 0, Low 5, Unclear 2
<b>Nutrition (meal timing / composition)</b>								
Ruscitto & Ogden.	Low	Low	Unclear	High	Unclear	Unclear	Unclear	High 1, Low 2, Unclear 4
<b>Pharmacological Management</b>								
<b>Stimulants</b>								
Rosenberg, et al.	Low	Low	Low	Low	Low	Low	Unclear	High 0, Low 6, Unclear 1
Lagarde, et al.	Unclear	Unclear	Low	Unclear	High	Unclear	Unclear	High 1, Low 1, Unclear 5
Piérard, et al.	Unclear	Unclear	Low	Unclear	High	Unclear	Unclear	High 1, Low 1, Unclear 5
Beaumont, et al.	Unclear	Unclear	Low	Unclear	Unclear	Unclear	Unclear	High 0, Low 1, Unclear 6
<b>Melatonin Analogues</b>								
Rajaratnam, et al.	Low	Low	Low	Low	Unclear	Low	Unclear	High 0, Low 5, Unclear 2
Richardson, et al.	Unclear	Low	Low	Low	Unclear	Low	Unclear	High 0, Low 4, Unclear 3
Zee, et al.	Unclear	Unclear	Low	Low	Unclear	Low	Unclear	High 0, Low 3, Unclear 4

**Supplementary Table 1B: Assessment of methodological quality of non-RCT included studies through the Downs and Black Quality of Reporting Scale.**

First Author	Reporting	External validity	Internal validity bias	Internal validity confounding/ selection bias	Power	Total score	Interpretation: QI scores: >20 = good, 11 - 20 = moderate, <11 = poor
<b>Exercise</b>							
Montaruli, et al.	6	0	4	0	0	10/28	Poor
Cardinali, et al.	5	1	3	1	0	10/28	Poor
<b>Light</b>							
Cardinali, et al.	5	1	3	1	0	10/28	Poor
<b>Nutrition (meal timing / composition)</b>							
Reynolds & Montgomery.	4	1	2	3	0	10/28	Poor
<b>Pharmacological Management</b>							
<b>Melatonin</b>							
Cardinali, et al.	5	1	3	1	0	10/28	Poor
Manfredini, et al.	5	1	2	1	0	9/28	Poor
<b>Sedatives</b>							
Reilly, et al.	3	1	4	1	0	9/28	Poor
<b>Melatonin Analogues</b>							
Nickelsen, et al.	9	1	5	4	0	19/28	Moderate

**Note:** Studies were assessed for quality by means of the Downs and Black checklist. This scoring system is based on a checklist of 27 questions (total score of 28, Q5 = 2 points), comprising of four categories of evaluation: quality reporting (10 questions), external validity (3 questions), internal validity - bias and confounding (13 questions) and statistical power (1 question). Quality Index (QI) score used: >20 good, 11 - 20 moderate, and <11 poor.