

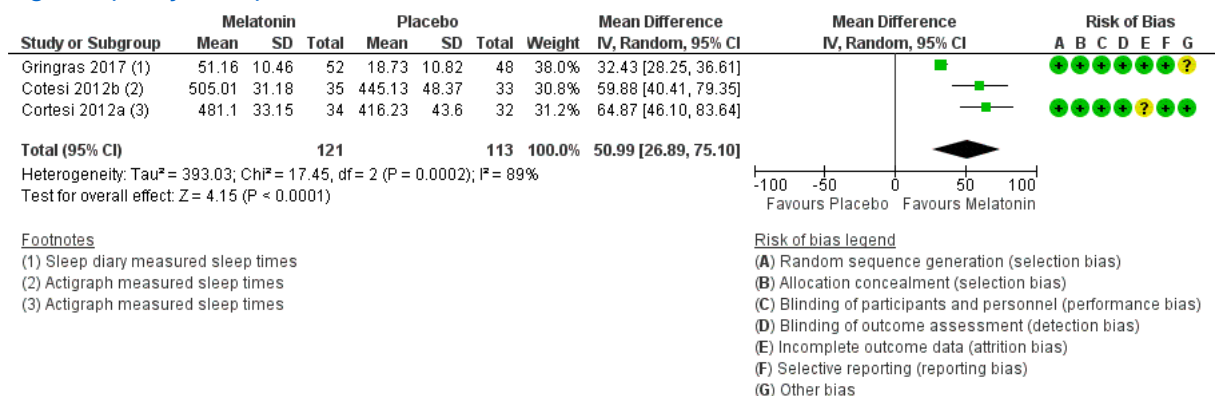
Figures

Figure 1

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Appleton 2012	+	+	+	+	?	+	+
Ardakani 2018	+	+	+	+	+	-	+
Cortesi 2012a	+	+	+	+	?	+	+
Cotesei 2012b							
Dodge 2001	?	+	+	?	?	+	+
Garstang 2006	+	?	?	?	-	+	+
Gringras 2017	+	+	+	+	+	+	?
Hancock 2005	?	+	+	+	+	+	+
Jain 2016	+	+	+	+	+	-	+
Jan 2000	?	?	+	+	?	+	+
Van der Heijden 2007	+	?	+	+	+	+	+
Weiss 2006	?	?	+	+	+	+	+
Wirojanan 2009	-	+	+	+	+	+	+
Wright 2011	+	+	+	?	+	+	+

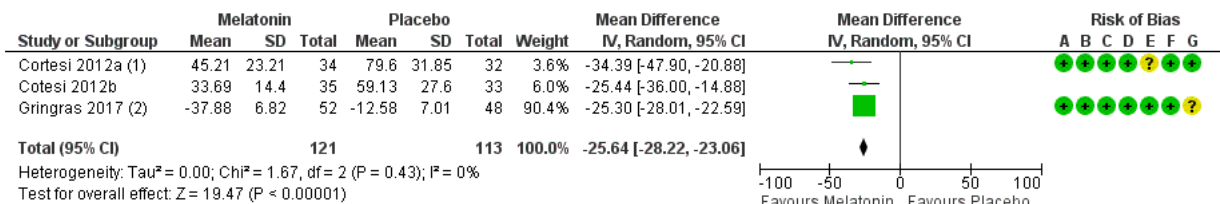
Risk of bias summary: review authors' judgements about each risk of bias item for each included study.

Figure 2 (Analysis 2.1)



Forest plot of comparison: 2 Mealtolin vs. placebo, outcome: 2.1 Total sovetid, min (total sleep time).

Figure 3 (Analysis 2.2)



Footnotes

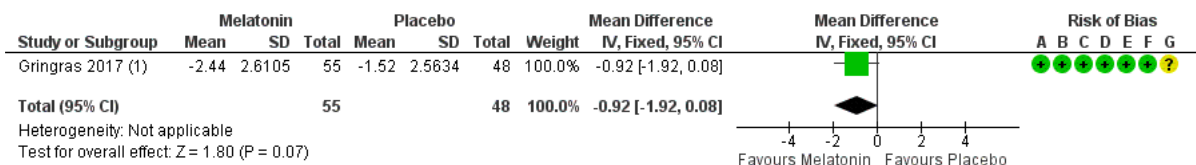
- (1) Actigraph measured sleep times
- (2) Sleep diary measured sleep times

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance bias)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Melatonin vs. placebo, outcome: 2.2 Indsovningsstid, min (sleep onset latency).

Figure 5 (Analysis 2.4)



Footnotes

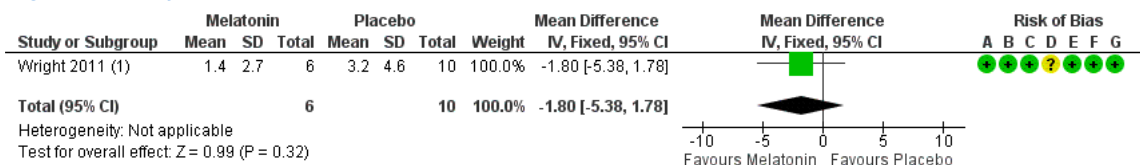
- (1) CSDI, total score

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance bias)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Melatonin vs. placebo, outcome: 2.4 Søvnkvalitet generelt (sleep quality).

Figure 6 (Analysis 2.5)



Footnotes

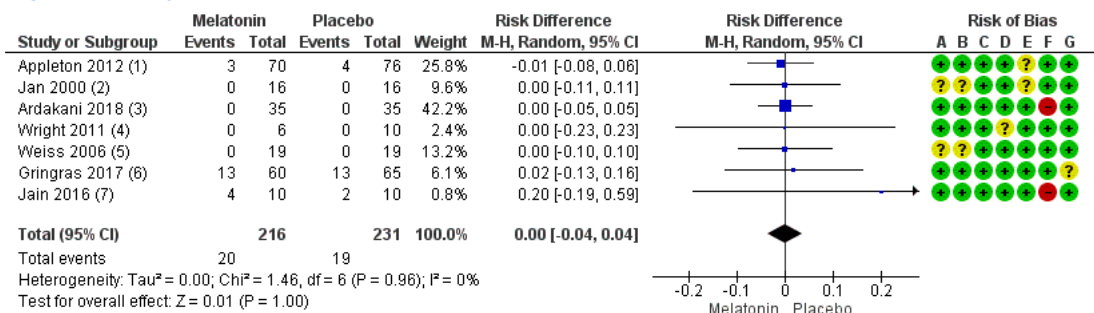
- (1) GHQ

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance bias)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Melatonin vs. placebo, outcome: 2.5 Forældretrevsel (caregivers wellbeing).

Figure 7 (Analysis 2.6)



Footnotes

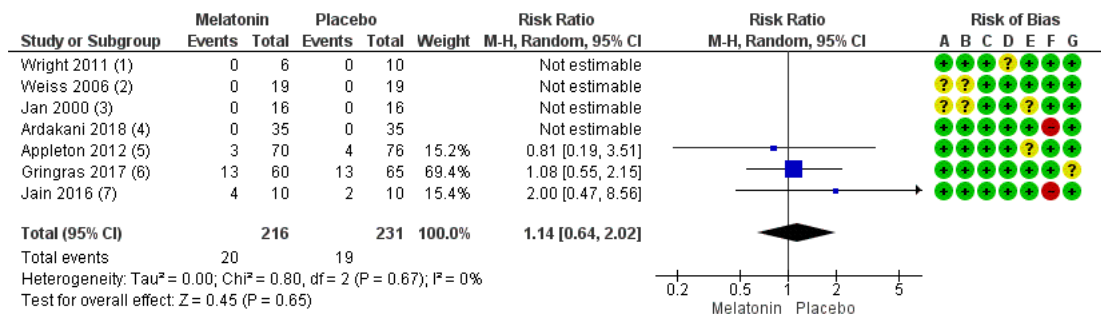
- (1) Mixed neurodevelopmental delays (41 % with ASD+developmental disorder)
- (2) Mixed (10% out of 42 have ASD)
- (3) atopic dermatitis
- (4) Autism spectrum disorder
- (5) ADHD
- (6) Autism spectrum disorder
- (7) epilepsy

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance...)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Mealtolin vs. placebo, outcome: 2.6 Alvorlige bivirkninger, antal personer (serious adverse events), EoT -risk difference.

Figure 8 (Analysis 2.7)



Footnotes

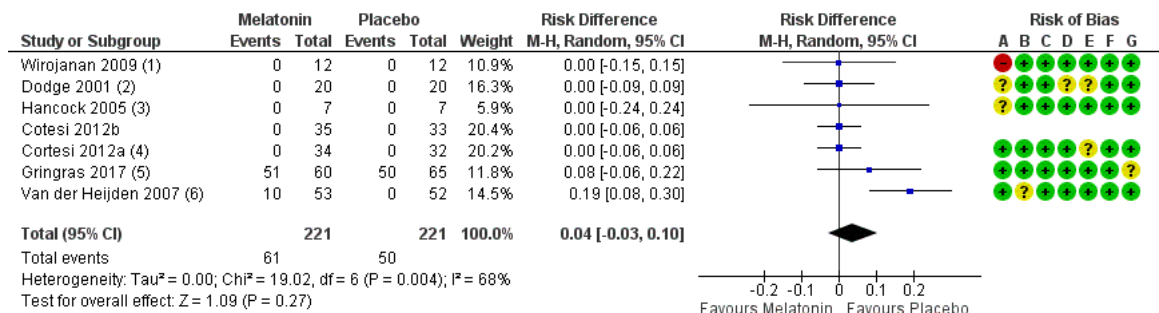
- (1) Autism spectrum disorder
- (2) ADHD
- (3) Mixed (10% out of 42 have ASD)
- (4) atopic dermatitis
- (5) Mixed neurodevelopmental delays (41 % with ASD+developmental disorder)
- (6) Autism spectrum disorder
- (7) epilepsy

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance...)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Mealtolin vs. placebo, outcome: 2.7 Alvorlige bivirkninger, antal personer (serious adverse events), EoT.

Figure 9 (Analysis 2.8)



Footnotes

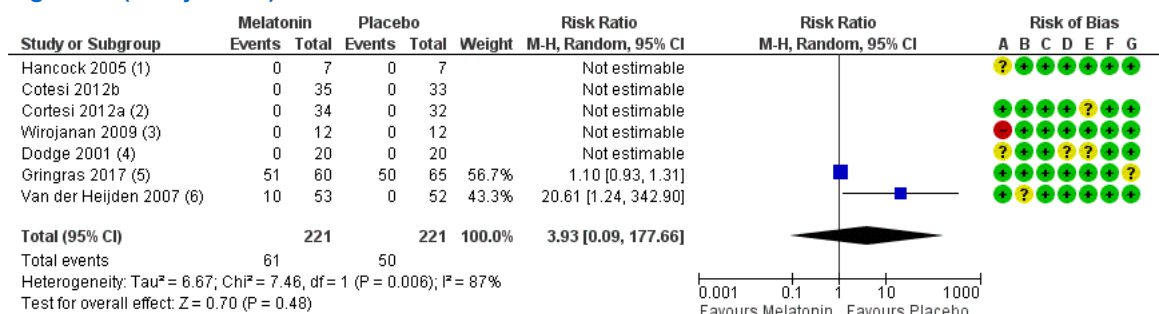
- (1) ASD, fragile X syndrome or ASD+ Fragile x syndrome
- (2) Developmental disability (including autism, genetic syndrome, Cerebral palsy, mental...)
- (3) Tuberous Sclerosis
- (4) Autistic spectrum disorder
- (5) Autistic spectrum disorder, with or without ADHD, Neurogenetic disorders
- (6) ADHD

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance bias)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Mealtolin vs. placebo, outcome: 2.8 Bivirkninger, antal personer (adverse events) -risk difference.

Figure 10 (Analysis 2.9)



Footnotes

- (1) Tuberous Sclerosis
- (2) Autistic spectrum disorder
- (3) ASD, fragile X syndrome or ASD+ Fragile x syndrome
- (4) Developmental disability (including autism, genetic syndrome, Cerebral palsy, mental...)
- (5) Autistic spectrum disorder, with or without ADHD, Neurogenetic disorders
- (6) ADHD

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Blinding of participants and personnel (performance bias)
- (D) Blinding of outcome assessment (detection bias)
- (E) Incomplete outcome data (attrition bias)
- (F) Selective reporting (reporting bias)
- (G) Other bias

Forest plot of comparison: 2 Mealtolin vs. placebo, outcome: 2.9 Bivirkninger, antal personer (adverse events).