

## Supplement 1: Search strategy

### Embase

1. \*blindness/
2. blind\*.ti,ab.
3. \*anophthalmia/
4. anophthalm\*.ti,ab.
5. \*visually impaired person/
6. (visual\* adj3 impair\*).ti,ab.
7. (visual\* adj3 disab\*).ti,ab.
8. 1 or 2 or 3 or 4 or 5 or 6 or 7
9. \*melatonin/
10. melatonin.ti,ab.
11. circadin.ti,ab.
12. tasimelteon.ti,ab.
13. ramelteon.ti,ab.
14. agomelatine.ti,ab.
15. piromelatine.ti,ab.
16. \*caffeine/
17. caffeine.ti,ab.
18. 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
19. \*sleep/
20. sleep\*.ti,ab.
21. asleep.ti,ab.
22. \*circadian rhythm sleep disorder/
23. \*circadian rhythm/
24. circadian.ti,ab.
25. \*sleep disorder/
26. "non 24".ti,ab.
27. non24.ti,ab.

28. "non twenty four".ti,ab.
29. 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28
30. 8 and 18 and 29

psycinfo

1. exp Blind/
2. blind\*.ti,ab.
3. anophthalm\*.ti,ab.
4. exp Vision Disorders/
5. (visual\* adj3 impair\*).ti,ab.
6. (visual\* adj3 disab\*).ti,ab.
7. 1 or 2 or 3 or 4 or 5 or 6
8. exp MELATONIN/
9. melatonin.ti,ab.
10. circadin.ti,ab.
11. tasimelton.ti,ab.
12. ramelteon.ti,ab.
13. agomelatine.ti,ab.
14. piromelatine.ti,ab.
15. exp CAFFEINE/
16. caffeine.ti,ab.
17. 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16
18. exp SLEEP/
19. sleep\*.ti,ab.
20. asleep.ti,ab.
21. exp Sleep Disorders/
22. exp Human Biological Rhythms/
23. circadian.ti,ab.
24. exp Sleep Wake Cycle/

25. "non 24".ti,ab.
26. non24.ti,ab.
27. "non twenty four".ti,ab.
28. 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27
29. 7 and 17 and 28

#### MEDLINE

1. exp Blindness/
2. blind\*.ti,ab.
3. Anophthalmos/
4. anophthalm\*.ti,ab.
5. Visually Impaired Persons/
6. (visual\* adj3 impair\*).ti,ab.
7. (visual\* adj3 disab\*).ti,ab.
8. 1 or 2 or 3 or 4 or 5 or 6 or 7
9. Melatonin/
10. melatonin.ti,ab.
11. circadin.ti,ab.
12. tasimelteon.ti,ab.
13. ramelteon.ti,ab.
14. agomelatine.ti,ab.
15. piromelatine.ti,ab.
16. Caffeine/
17. caffeine.ti,ab.
18. 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
19. exp Sleep/
20. sleep\*.ti,ab.
21. asleep.ti,ab.
22. Sleep Disorders, Circadian Rhythm/

23. Circadian Rhythm/
24. circadian.ti,ab.
25. exp Sleep Wake Disorders/
26. "non 24".ti,ab.
27. non24.ti,ab.
28. "non twenty four".ti,ab.
29. 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28
30. 8 and 18 and 29

#### Cochrane Library

- #1 MeSH descriptor: [Blindness] explode all trees
- #2 blind\*
- #3 MeSH descriptor: [Anophthalmos] explode all trees
- #4 anophthalm\*
- #5 MeSH descriptor: [Visually Impaired Persons] explode all trees
- #6 visual\* near/3 impair\*
- #7 visual\* near/3 disab\*
- #8 #1 or #2 or #3 or #4 or #5 or #6 or #7
- #9 MeSH descriptor: [Melatonin] explode all trees
- #10 melatonin
- #11 circadin
- #12 tasimelteon
- #13 ramelteon
- #14 agomelatine
- #15 piromelatine
- #16 MeSH descriptor: [Caffeine] explode all trees
- #17 caffeine
- #18 #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17
- #19 MeSH descriptor: [Sleep] explode all trees
- #20 sleep\*

- #21 asleep\*
- #22 MeSH descriptor: [Sleep Disorders, Circadian Rhythm] explode all trees
- #23 MeSH descriptor: [Circadian Rhythm] explode all trees
- #24 circadian
- #25 MeSH descriptor: [Sleep Wake Disorders] explode all trees
- #26 "non 24"
- #27 "non24"
- #28 "non twenty four"
- #29 #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28
- #30 #8 and #18 and #29

#### CINAHL

- S29 S6 AND S16 AND S28
- S28 S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27
- S27 TI "non twenty four" OR AB "non twenty four"
- S26 TI non24 OR AB non24
- S25 TI "non 24" OR AB "non 24"
- S24 (MH "Sleep Disorders+")
- S23 TI circadian OR AB circadian
- S22 (MH "Circadian Rhythm")
- S21 (MH "Sleep Disorders, Circadian Rhythm+")
- S20 (MH "Sleep Disorders+")
- S19 TI asleep OR AB asleep
- S18 TI sleep\* OR AB sleep\*
- S17 (MH "Sleep+")
- S16 S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15
- S15 TI caffeine OR AB caffeine
- S14 (MH "Caffeine")
- S13 TI piromelatine OR AB piromelatine
- S12 TI agomelatine OR AB agomelatine

S11 TI ramelteon OR AB ramelteon  
S10 TI tasimelteon OR AB tasimelteon  
S9 TI circadin OR AB circadin  
S8 TI melatonin OR AB melatonin  
S7 (MH "Melatonin")  
S6 S1 OR S2 OR S3 OR S4 OR S5  
S5 TI visual\* N3 disab\* OR AB visual\* N3 disab\*  
S4 TI visual\* N3 impair\* OR AB visual\* N3 impair\*  
S3 TI anophthalm\* OR AB anophthalm\*  
S2 TI blind\* OR AB blind\*  
S1 (MH "Blindness+")