

Appendix A: Supplemental material: Search strategy

Medline Ovid

1. exp Brain Concussion/
2. Brain Injuries/ or Brain Injuries, Traumatic/ or Brain Injury, Chronic/ or Craniocerebral Trauma/ or Head Injuries, Closed/
3. (brain adj3 injur*).tw,kf.
4. concuss*.tw,kf.
5. post*concuss*.tw,kf.
6. (mild adj6 brain* injur*).tw,kf.
7. (mild adj6 head injur*).tw,kf.
8. mtbi.tw,kf.
9. Craniocerebral Trauma.tw,kf.
10. head injur*.tw,kf.
11. traumatic brain injur*.tw,kf.
12. 1or2or3or4or5or6or7or8or9or10or11
13. exp oculomotor muscles/
14. Eye Movements/ or Convergence, Ocular/ or Fixation, Ocular/ or Nystagmus, Physiologic/ or Pursuit, Smooth/ or Saccades/ or Vision, Ocular/
15. saccad*.tw,kf.
16. (smooth adj pursuit*).tw,kf.
17. converg*.tw,kf.
18. vergence.tw,kf.
19. divergence.tw,kf.

20. near point convergence.tw,kf.
21. (gaze adj fixation).tw,kf.
22. (ocular adj fixation).tw,kf.
23. nystagmus.tw,kf.
24. ocular motility.tw,kf.
25. eye tracking.tw,kf.
26. (vis* adj2 therap*).tw,kf.
27. (vis* adj3 (train* or rehab*)).tw,kf.
28. visuomotor.tw,kf.
29. 13or14or15or16or17or18or19or20or21or22or23or24or25or26or27or28
30. 12 and 29

Appendix B: Search results Medline January 11, 2022

Database: Ovid MEDLINE: Epub Ahead of Print, In-Process & Other Non-Indexed Citations,
Ovid MEDLINE® Daily and Ovid MEDLINE® <1946-Present> **(Searches completed on
January 11, 2023)**

Search Strategy:

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- 1 exp Brain Concussion/ (11885)
 - 2 Brain Injuries/ or Brain Injuries, Traumatic/ or Brain Injury, Chronic/ or Craniocerebral
Trauma/ or Head Injuries, Closed/ (90700)
 - 3 (brain adj3 injur*).tw,kf. (91812)
 - 4 concuss*.tw,kf. (12507)
 - 5 post*concuss*.tw,kf. (1656)
 - 6 (mild adj6 brain* injur*).tw,kf. (7313)
 - 7 (mild adj6 head injur*).tw,kf. (1352)
 - 8 mtbi.tw,kf. (3889)
 - 9 Craniocerebral Trauma.tw,kf. (1598)
 - 10 head injur*.tw,kf. (26928)
 - 11 traumatic brain injur*.tw,kf. (47197)
 - 12 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 (151139)
 - 13 exp oculomotor muscles/ (16040)
 - 14 Eye Movements/ or Convergence, Ocular/ or Fixation, Ocular/ or Nystagmus,
Physiologic/ or Pursuit, Smooth/ or Saccades/ or Vision, Ocular/ (75029)
 - 15 saccad*.tw,kf. (14529)

- 16 (smooth adj pursuit*).tw,kf. (2910)
- 17 converg*.tw,kf. (112804)
- 18 vergence.tw,kf. (2358)
- 19 divergence.tw,kf. (60316)
- 20 near point convergence.tw,kf. (38)
- 21 (gaze adj fixation).tw,kf. (302)
- 22 (ocular adj fixation).tw,kf. (178)
- 23 nystagmus.tw,kf. (15189)
- 24 ocular motility.tw,kf. (2113)
- 25 eye tracking.tw,kf. (7902)
- 26 (vis* adj2 therap*).tw,kf. (3146)
- 27 (vis* adj3 (train* or rehab*)).tw,kf. (7783)
- 28 visuomotor.tw,kf. (5500)
- 29 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28
(287226)
- 30 12 and 29 (2139)