

Sport-Related Concussion: Risk Factors for Persistent Impairments and Protracted Recovery

References

1. Asken BM, McCrea MA, Clugston JR, Snyder AR, Houck ZM, Bauer RM. "Playing through it": delayed reporting and removal from athletic activity after concussion predicts prolonged recovery. *Journal of athletic training*. 2016;51(4):329-335.
2. Baugh CM, Weintraub GS, Gregory AJ, Djoko A, Dompier TP, Kerr ZY. Descriptive Epidemiology of Injuries Sustained in National Collegiate Athletic Association Men's and Women's Volleyball, 2013-2014 to 2014-2015. *Sports health*. 2018;10(1):60-69.
3. Brooks BL, Daya H, Khan S, Carlson HL, Mikrogianakis A, Barlow KM. Cognition in the emergency department as a predictor of recovery after pediatric mild traumatic brain injury. *Journal of the International Neuropsychological Society*. 2016;22(4):379-387.
4. Bryan MA, Rowhani-Rahbar A, Comstock RD, Rivara F. Sports-and recreation-related concussions in US youth. *Pediatrics*. 2016;138(1):e20154635.
5. Carroll LJ, Cassidy JD, Côté P. The role of pain coping strategies in prognosis after whiplash injury: passive coping predicts slowed recovery. *Pain*. 2006;124(1-2):18-26.
6. Collins M, Lovell MR, Iverson GL, Ide T, Maroon J. Examining concussion rates and return to play in high school football players wearing newer helmet technology: a three-year prospective cohort study. *Neurosurgery*. 2006;58(2):275-286; discussion 275-286.
7. Corwin DJ, Zonfrillo MR, Master CL, et al. Characteristics of prolonged concussion recovery in a pediatric subspecialty referral population. *The Journal of pediatrics*. 2014;165(6):1207-1215.
8. Covassin T, Moran R, Elbin R. Sex differences in reported concussion injury rates and time loss from participation: an update of The National Collegiate Athletic Association Injury Surveillance Program from 2004–2005 through 2008–2009. *Journal of athletic training*. 2016;51(3):189-194.
9. Davis GA, Anderson V, Babl FE, et al. What is the difference in concussion management in children as compared with adults? A systematic review. *Br J Sports Med*. 2017;51(12):949-957.
10. Elbin R, Sufrinko A, Schatz P, et al. Removal from play after concussion and recovery time. *Pediatrics*. 2016:e20160910.
11. Foundation NS. *Sleep in America Poll*. 2006 2006.
12. Iverson GL, Gardner AJ, Terry DP, et al. Predictors of clinical recovery from concussion: a systematic review. *Br J Sports Med*. 2017;51(12):941-948.
13. Jensen MP, Turner JA, Romano JM. Changes in beliefs, catastrophizing, and coping are associated with improvement in multidisciplinary pain treatment. *Journal of consulting and clinical psychology*. 2001;69(4):655.
14. Kontos AP, Elbin R, Lau B, et al. Posttraumatic migraine as a predictor of recovery and cognitive impairment after sport-related concussion. *The American journal of sports medicine*. 2013;41(7):1497-1504.
15. Kostyun RO, Milewski MD, Hafeez I. Sleep disturbance and neurocognitive function during the recovery from a sport-related concussion in adolescents. *The American journal of sports medicine*. 2014:0363546514560727.
16. Lau B, Lovell MR, Collins MW, Pardini J. Neurocognitive and symptom predictors of recovery in high school athletes. *Clinical Journal of Sport Medicine*. 2009;19(3):216-221.
17. Lau BC, Collins MW, Lovell MR. Cutoff scores in neurocognitive testing and symptom clusters that predict protracted recovery from concussions in high school athletes. *Neurosurgery*. 2012;70(2):371-379.

18. Lau BC, Kontos AP, Collins MW, Mucha A, Lovell MR. Which on-field signs/symptoms predict protracted recovery from sport-related concussion among high school football players? *The American journal of sports medicine*. 2011;39(11):2311-2318.
19. Marar M, McIlvain NM, Fields SK, Comstock RD. Epidemiology of concussions among United States high school athletes in 20 sports. *The American journal of sports medicine*. 2012;40(4):747-755.
20. Master CL, Master SR, Wiebe DJ, et al. Vision and vestibular system dysfunction predicts prolonged concussion recovery in children. *Clinical journal of sport medicine*. 2018;28(2):139-145.
21. McCrory P, Meeuwisse W, Dvorak J, et al. Consensus statement on concussion in sport-the 5th international conference on concussion in sport held in Berlin, October 2016. *Br J Sports Med*. 2017.
22. Meehan III WP, Mannix RC, Straccolini A, Elbin R, Collins MW. Symptom severity predicts prolonged recovery after sport-related concussion, but age and amnesia do not. *The Journal of pediatrics*. 2013;163(3):721-725.
23. Merikangas KR. Contributions of epidemiology to our understanding of migraine. *Headache: The Journal of Head and Face Pain*. 2013;53(2):230-246.
24. Moran RN, Covassin T, Wallace J. Premorbid migraine history as a risk factor for vestibular and oculomotor baseline concussion assessment in pediatric athletes. *Journal of Neurosurgery: Pediatrics*. 2019;1(aop):1-6.
25. Morgan CD, Zuckerman SL, Lee YM, et al. Predictors of postconcussion syndrome after sports-related concussion in young athletes: a matched case-control study. *Journal of Neurosurgery: Pediatrics*. 2015;15(6):589-598.
26. Murdaugh DL, Ono KE, Reisner A, Burns TG. Assessment of sleep quantity and sleep disturbances during recovery from sports-related concussion in youth athletes. *Archives of physical medicine and rehabilitation*. 2018.
27. Nelson LD, Guskiewicz KM, Barr WB, et al. Age differences in recovery after sport-related concussion: a comparison of high school and collegiate athletes. *Journal of athletic training*. 2016;51(2):142-152.
28. Nelson LD, Tarima S, LaRoche AA, et al. Preinjury somatization symptoms contribute to clinical recovery after sport-related concussion. *Neurology*. 2016;86(20):1856-1863.
29. Oldenburg C, Lundin A, Edman G, Deboussard CN, Bartfai A. Emotional reserve and prolonged post-concussive symptoms and disability: a Swedish prospective 1-year mild traumatic brain injury cohort study. *BMJ open*. 2018;8(7):e020884.
30. Pearce KL, Sufrinko A, Lau BC, Henry L, Collins MW, Kontos AP. Near Point of Convergence After a Sport-Related Concussion Measurement Reliability and Relationship to Neurocognitive Impairment and Symptoms. *The American journal of sports medicine*. 2015:3055-3061.
31. Rozbacher A, Selci E, Leiter J, Ellis M, Russell K. The effect of concussion or mild traumatic brain injury on academic outcomes: a systematic review. *Journal of Neurotrauma*. 2017;34(14):2195-2203.
32. Sandel N, Reynolds E, Cohen PE, Gillie BL, Kontos AP. Anxiety and mood clinical profile following sport-related concussion: From risk factors to treatment. *Sport, exercise, and performance psychology*. 2017;6(3):304.
33. Schneider KJ, Meeuwisse WH, Nettel-Aguirre A, Boyd L, Barlow KM, Emery CA. Cervico-vestibular physiotherapy in the treatment of individuals with persistent symptoms following sport related concussion: a randomised controlled trial. *British Journal of Sports Medicine*. 2013;47(5):e1-e1.

34. Stewart W, Wood C, Reed M, Roy J, Lipton R. Cumulative lifetime migraine incidence in women and men. *Cephalalgia*. 2008;28(11):1170-1178.
35. Sufrinko A, McAllister-Deitrick J, Womble M, Kontos A. Do sideline concussion assessments predict subsequent neurocognitive impairment after sport-related concussion? *Journal of athletic training*. 2017;52(7):676-681.
36. Sufrinko A, Mucha A, Covassin T, et al. Sex Differences in Vestibular/Ocular and Neurocognitive outcomes following Sport-related Concussion. *Clinical Journal of Sports Medicine*. 2016.
37. Sufrinko A, Pearce K, Elbin R, et al. The effect of preinjury sleep difficulties on neurocognitive impairment and symptoms after sport-related concussion. *The American journal of sports medicine*. 2015:0363546514566193.
38. Sufrinko AM, Dietrick J, Elbin R, Collins MW, Kontos AP. Family History of Migraine is Associated with Posttraumatic Migraine Symptoms following Sport-related Concussion. *Journal of Head Trauma Rehabilitation*. 2017.
39. Sufrinko AM, Howie EK, Elbin R, Collins MW, Kontos AP. A Preliminary Investigation of Accelerometer-Derived Sleep and Physical Activity Following Sport-Related Concussion. *The Journal of head trauma rehabilitation*. 2018.
40. Sufrinko AM, Kegel NE, Mucha A, Collins MW, Kontos AP. History of High Motion Sickness Susceptibility Predicts Vestibular Dysfunction Following Sport/Recreation-Related Concussion. *Clinical journal of sport medicine: official journal of the Canadian Academy of Sport Medicine*. 2017.
41. Sufrinko AM, Kontos AP, Apps JN, et al. The effectiveness of prescribed rest depends on initial presentation after concussion. *The Journal of Pediatrics*. 2017.
42. Sufrinko AM, Marchetti GF, Cohen PE, Elbin R, Re V, Kontos AP. Using acute performance on a comprehensive neurocognitive, vestibular, and ocular motor assessment battery to predict recovery duration after sport-related concussions. *The American journal of sports medicine*. 2017;45(5):1187-1194.
43. Thomas DG, Apps JN, Hoffmann RG, McCrea M, Hammeke T. Benefits of strict rest after acute concussion: a randomized controlled trial. *Pediatrics*. 2015;135(2):213-223.
44. Veliz P, McCabe SE, Eckner JT, Schulenberg JE. Prevalence of concussion among US adolescents and correlated factors. *Jama*. 2017;318(12):1180-1182.
45. Wöber-Bingöl Ç. Epidemiology of migraine and headache in children and adolescents. *Current pain and headache reports*. 2013;17(6):1-11.
46. Woodrome SE, Yeates KO, Taylor HG, et al. Coping strategies as a predictor of post-concussive symptoms in children with mild traumatic brain injury versus mild orthopedic injury. *Journal of the International Neuropsychological Society*. 2011;17(2):317-326.
47. Zemek RL, Farion KJ, Sampson M, McGahern C. Prognosticators of persistent symptoms following pediatric concussion: a systematic review. *JAMA pediatrics*. 2013;167(3):259-265.
48. Zuckerman SL, Brett BL, Jeckell AS, Yengo-Kahn AM, Solomon GS. Prognostic Factors In Pediatric Sport-Related Concussion. *Current neurology and neuroscience reports*. 2018; 18(12): 104.