

Bibliography

- Ahmed, A., & Simmons, Z. (2013). Pseudobulbar affect: prevalence and management. *Therapeutics and Clinical Risk Management*, 9, 483–489.
<https://pubmed.ncbi.nlm.nih.gov/24348042/>
- Alcaro, A., Huber, R., & Panksepp, J. (2007). Behavioral functions of the mesolimbic dopaminergic system: An affective neuroethological perspective. *Brain Research Reviews*, 56(2), 283–321. <https://doi.org/10.1016/j.brainresrev.2007.07.014>
- Alexander, G. E., DeLong, M. R., & Strick, P. L. (1986). Parallel Organization of Functionally Segregated Circuits Linking Basal Ganglia and Cortex. *Annual Review of Neuroscience*, 9, 357-381. <https://doi.org/10.1146/annurev.ne.09.030186.002041>
- Allen, C., Zarowitz, B., O’Shea, T., Peterson, E., Yonan, C., & Waterman, F. (2018). Identification of pseudobulbar affect symptoms in the nursing home setting: Development and assessment of a screening tool. *Geriatric Nursing*, 39(1), 54–59.
<https://doi.org/10.1016/j.gerinurse.2017.06.002>
- Andersen, F., Anjum, R. L., & Rocca, E. (2019). Philosophical bias is the one bias that science cannot avoid. *ELife*, 8. <https://doi.org/10.7554/elife.44929>
- Anderson, G., Dupré, J., & Wakefield, J. G. (2019). Drawing and the dynamic nature of living systems. *ELife*, 8. <https://doi.org/10.7554/elife.46962>
- Andrews, E. E., Mona, L. R., Pilarski, C. R., Forber-Pratt, A. J., Lund, E. M., & Balter, R. (2019). #SaytheWord: A Disability Culture Commentary on the Erasure of “Disability”. *Rehabilitation Psychology*, 64(2), 111-118. <https://doi.org/10.1037/rep0000258>

- Andrews, E. E., Pilarski, C. R., Ayers, K., & Dunn, D. S. (2023). Advocacy: The Seventh Foundational Principle and Core Competency of Rehabilitation Psychology. *Rehabilitation Psychology*, 68(2), 103-111. <https://doi.org/10.1037/rep0000492>
- American Academy of Professional Coders. (2022). *ICD-10-CM Code for Pseudobulbar affect F48.2*. Codify by AAPC. <https://www.aapc.com/codes/icd-10-codes/F48.2>
- American Psychological Association. (2011). Practice guidelines regarding psychologists' involvement in pharmacological issues. *American Psychologist*, 66(9), 835–849. <https://doi.org/10.1037/a0025890>
- American Psychological Association. (2015). Guidelines for clinical supervision in health service psychology. *American Psychologist*, 70(1), 33–46. <https://doi.org/10.1037/a0038112>
- American Psychological Association. (2017). Ethical Principles of Psychologist and Code of Conduct. Retrieved from <https://www.apa.org/ethics/code>
- American Psychological Association. (2018). *Idiographic*. American Psychological Association Dictionary of Psychology. Retrieved from <http://dictionary.apa.org/idiographic>
- Arango-Lasprilla, J. C., Rosenthal, M., Deluca, J., Komaroff, E., Sherer, M., Cifu, D., & Hanks, R. (2007). Traumatic brain injury and functional outcomes: Does minority status matter? *Brain Injury*, 21(7), 701–708. <https://doi.org/10.1080/02699050701481597>
- Arts, I. C., Coolen, E. J., Bours, M. J., Huyghebaert, N., Stuart, M. A. C., Bast, A., & Dagnelie, P. C. (2012). Adenosine 5'-triphosphate (ATP) supplements are not orally bioavailable: a randomized, placebo-controlled cross-over trial in healthy humans. *Journal of the International Society of Sports Nutrition*, 9(1). <https://doi.org/10.1186/1550-2783-9-16>

- Ardilla, A. & Rosselli, M. (2016). Cognitive world: neuropsychology of individual differences. *Applied Neuropsychology: Adult*, 25(1), 29–37.
<https://doi.org/10.1080/23279095.2016.1232264>
- Ashendorf, L., Swenson, R. & Libon, D. (2013). *The Boston Process Approach to neuropsychological assessment: A practitioner's guide*. Oxford University Press.
- Baker, J. M., Al-Nakkash, L., & Herbst-Kralovetz, M. M. (2017). Estrogen–gut microbiome axis: physiological and clinical implications. *Maturitas*, 103, 45–53.
<https://doi.org/10.1016/j.maturitas.2017.06.025>
- Bal-Price, A., & Brown, G. C. (2001). Inflammatory neurodegeneration mediated by nitric oxide from activated glia-inhibiting neuronal respiration, causing glutamate release and excitotoxicity. *The Journal of Neuroscience*, 21(17), 6480–6491.
<https://doi.org/10.1523/jneurosci.21-17-06480.2001>
- Bandura, A. (1986). *Social foundations of thought and action: A social cognitive theory*. Prentice-Hall, Inc.
- Barros, L. F., Brown, A., & Swanson, R. A. (2018). Glia in brain energy metabolism: A perspective. *Glia*, 66(6), 1134–1137. <https://doi.org/10.1002/glia.23316>
- Bartley, C. N., Atwell, K., Cairns, B., & Charles, A. (2019). Racial and ethnic disparities in discharge to rehabilitation following burn injury. *Journal of Burn Care & Research*, 40(2), 143–147. <https://doi.org/10.1093/jbcr/irz001>
- Barwick, S. (2016, August 17). *ATP: the Overlooked Brain Energy Nutrient We Need in Prodigious Daily Quantities*. Targeted Nutrients.
<https://www.targetednutrients.com/2016/08/11/atp-overlooked-brain-energy-nutrient-need-prodigious-daily-quantities/>

- Ben-Yishay, Y., Rattok, J., Lakin, P, Piasetsky, E. B., Ross, B. Silver, S., Zide, E. & Ezrachi, O. (1985). Neuropsychologic rehabilitation: quest for a holistic approach. *Seminars in Neurology*, 5(3), 252-259.
- Bhave, S., Gade, A., Kang, M., Hauser, K. F., Dewey, W. L., & Akbarali, H. I. (2017). Connexin-purinergic signaling in enteric glia mediates the prolonged effect of morphine on constipation. *The FASEB Journal*, 31(6), 2649–2660.
<https://doi.org/10.1096/fj.201601068r>
- Bolam, J.P., Hanley, J.J., Booth, P.A.C., & Bevan, M.D. (2000). Synaptic organization of the basal ganglia. *Journal of Anatomy*, 196, 527-542.
- Borrell-Carrio, F., Suchman, A. L., & Epstein, R. M. (2004). The biopsychosocial model 25 years later: Principles, practice, and scientific inquiry. *Annals of Family Medicine*, 2(6), 576-582.
- Bozza, F. A., D’Avila, J. C., Ritter, C., Sonnevile, R. Sharahar, T., & Dal-Pizzol. (2013). Bioenergetics, mitochondrial dysfunction, and oxidative stress in the pathophysiology of septic encephalopathy. *Shock*, 39(7), 10-16.
- Brain Injury Association of America. (2010, January 26). *Workers’ risk of unemployment after traumatic brain injury: a normed comparison*.
<https://www.biausa.org/professionals/research/tbi-model-systems/workers-risk-of-unemployment-after-traumatic-brain-injury-a-normed-comparison>
- Brain Injury Association of America. (2021, May 19). *Diagnosis of TBI starts in the ER*.
<https://www.biausa.org/public-affairs/media/prompt-diagnosis-and-treatment-of-traumatic-brain-injuries-starts-in-the-emergency-room>

- Brain Injury Association of America. (2022, July 22). *Traumatic brain injury in corrections*.
<https://www.biausa.org/public-affairs/media/traumatic-brain-injury-in-corrections>
- Britannica. (n.d.) *Adenosine monophosphate | coenzyme*. In *Encyclopedia Britannica*. Retrieved October 4, 2022, from <https://www.britannica.com/science/adenosine-monophosphate>
- Brenner, E. K., Grossner, E. C., Johnson, B. N., Bernier, R. A., Soto, J., & Hillary, F. G. (2020). Race and ethnicity considerations in traumatic brain injury research: Incidence, reporting, and outcome. *Brain Injury*, *34*(6), 801–810.
<https://doi.org/10.1080/02699052.2020.1741033>
- Brenner, L.A., Reid-Arndt, S.A., Elliot, T.R., Frank, R.G., & Caplan, B. (2019). *Handbook of Rehabilitation Psychology* (3rd ed.). American Psychological Association.
- Brett, C. E., Sykes, C., & Pires-Yfantouda, R. (2017). Interventions to increase engagement with rehabilitation in adults with acquired brain injury: A systematic review. *Neuropsychological Rehabilitation*, *27*(6), 959–982.
<https://doi.org/10.1080/09602011.2015.1090459>
- Brower, M. C. & Price, B. H. (2001). Neuropsychiatry of frontal lobe dysfunction in violent and criminal behaviour: a critical review. *Journal of Neurology, Neurosurgery & Psychiatry*, *71*(6), 720–726. <https://doi.org/10.1136/jnnp.71.6.720>
- Buitelaar, J. K., & Coghill, D. R. (2013). Brain imaging: closing the gap between basic research and clinical application is urgently needed. *European child & adolescent psychiatry*, *22*(12), 715–717. <https://doi.org/10.1007/s00787-013-0493-8>
- Bundy C. (2004). Changing behaviour: using motivational interviewing techniques. *Journal of the Royal Society of Medicine*, *97* (Suppl 44), 43–47.

- Burns, S. P., White, B. M., Magwood, G., Ellis, C., Logan, A., Jones Buie, J. N., & Adams, R. J. (2018). Racial and ethnic disparities in stroke outcomes: a scoping review of post-stroke disability assessment tools. *Disability and Rehabilitation, 41*(15), 1835–1845.
<https://doi.org/10.1080/09638288.2018.1448467>
- Burton, D. B., Evans, C. C., & Manning, E. L. (1998a). A Structural equation analysis of the Wechsler Memory Scale -Revised and the California Verbal Learning Test in a clinical sample [Abstract]. *Journal of the International Neuropsychological Society*.
- Burton, D. B., Evans, C. C., Naugle, R. I., & Chelune, G. J. (1998b). What does the RAVLT measure? A structural equation analysis of memory, learning, and higher executive functioning [Abstract]. *Archives of Clinical Neuropsychology*.
- Burton, D. B., Evans, C. C., Davig, J., & Yablon, S. A. (1998c). Decrease in performance variability on the Coma Recovery Scale as an index of recovery from a vegetative state [Abstract]. *Annals of Neurology*.
- Caforio, B. C., Silvestrin, M., & Biazoli, C. E. (2020). Embodied concepts, allostasis, and the origin of emotions. *Developmental Psychology, 56*(4), 841–842.
<https://doi.org/10.1037/dev0000890>
- Cannon, W. B. (1963). *The Wisdom of The Body* (Rev. and Enl. Ed). W. W. Norton & Company.
- Cavanna, A. (2012). The behavioural neurology of basal ganglia disorders. *Behavioral Neurobiology, 26*, 473642. <https://doi.org/10.3233/BEN-2012-120272>
- Center for Brain Injury and Repair (n.d.). Traumatic Brain Injury: A “silent epidemic.” Perelman School of Medicine at the University of Pennsylvania. Retrieved October 13, 2022, from <https://www.med.upenn.edu/cbir/silentepidemic.html>

Centers for Disease Control and Prevention. (n.d.a). *Health disparities and TBI*. Retrieved October 4, 2022, from <https://www.cdc.gov/traumaticbraininjury/health-disparities-tbi.html>

Centers for Disease Control and Prevention. (n.d.b). *TBI Data*. Retrieved October 4, 2022, from <https://www.cdc.gov/traumaticbraininjury/data/index.html>

Centers for Disease Control and Prevention. (n.d.c). *Traumatic brain injury & concussion*. Retrieved October 4, 2022, from <https://www.cdc.gov/traumaticbraininjury/index.html>

Centers for Disease Control and Prevention. (n.d.d). *Traumatic brain injury & concussion: Get the facts*. Retrieved October 24, 2022, from https://www.cdc.gov/traumaticbraininjury/get_the_facts.html

Centers for Disease Control and Prevention. (n.d.e). *Traumatic brain injury in prisons and jails: an unrecognized problem*. Retrieved September 27, 2022, from https://www.cdc.gov/traumaticbraininjury/pdf/prisoner_tbi_prof-a.pdf

Centers for Medicare & Medicaid Services. (2023). *Dining Assistance Guidelines*. Retrieved from <https://www.cms.gov/cms-20053>

Chambler-Baltz, S., Knutson, D., Chwalisz, K., Canby, A., & Kane, T. (2023). The experiences of support staff in a traumatic brain injury rehabilitation center. *Rehabilitation Psychology, 68*(1), 53-64.

Chassman, S., Calhoun, K., Bacon, B., Rucobo, S., Goodwin, E., Gorgens, K., & Brisson, D. (2022). Correlates of acquiring a traumatic brain injury before experiencing homelessness: an exploratory study. *Social Sciences, 11*(8). <https://www.mdpi.com/2076-0760/11/8/376>

Children's Hospital of Pittsburgh. (n.d.). *Juvenile Myoclonic Epilepsy*. University of Pittsburgh Medical Center: Children's Hospital of Pittsburgh Retrieved September 17, 2022, from <https://www.chp.edu/our-services/brain/neurology/epilepsy/types/syndromes/juvenile-myoclonic-epilepsy#>

Clark, A., & Mach, N. (2017). The crosstalk between the gut microbiota and mitochondria during exercise. *Frontiers in Physiology*, 8. <https://doi.org/10.3389/fphys.2017.00319>

Chua, K. S. G. (2007). A brief review of traumatic brain injury rehabilitation. *Annals of the Academy of Medicine Singapore*, 36(1), 31-42.

Commission on Accreditation of Rehabilitation Facilities International (2023). Commission on Accreditation of Rehabilitation Facilities. Retrieved From <https://carf.org/home/>

Corrigan, J. D., Vuolo, M., Bogner, J., Botticello, A. L., Pinto, S. M., & Whiteneck, G. G. (2021). Do state supports for persons with brain injury affect outcomes in the 5 years following acute rehabilitation? *Health & Place*, 72, 102674. <https://doi.org/10.1016/j.healthplace.2021.102674>

Crumpacker, D. W. (2016). Enhancing approaches to the identification and management of pseudobulbar affect. *The Journal of Clinical Psychiatry*, 77(09), e1155–e1155. <https://doi.org/10.4088/jcp.15136tx1cj>

Cuthbert, J. P., Harrison-Felix, C., Corrigan, J. D., Bell, J. M., Haarbauer-Krupa, J. K., & Miller, A. C. (2015). Unemployment in the United States after traumatic brain injury for working-age individuals. *Journal of Head Trauma Rehabilitation*, 30(3), 160–174. <https://doi.org/10.1097/htr.0000000000000090>

- Dahlitz, M. (2015). Neuropsychotherapy: Defining the emerging paradigm of neurobiologically informed psychotherapy. *International Journal of Neuropsychotherapy*, 3(1), 47–69.
<https://doi.org/10.12744/ijnpt.2015.0047-0069>
- Damms, S. (n.d.). *Emotionalism following stroke: Issues of assessment and correlations with depression and anxiety* [PhD Dissertation]. University of Leicester.
- Dan Hoofien, Assaf Gilboa, Eli Vaki. (2001). Traumatic brain injury (TBI) 10?20 years later: a comprehensive outcome study of psychiatric symptomatology, cognitive abilities and psychosocial functioning. *Brain Injury*, 15(3), 189–209.
<https://doi.org/10.1080/026990501300005659>
- Daugherty, J., DePadilla, L., Sarmiento, K., & Breiding, M. J. (2020). Self-reported lifetime concussion among adults: Comparison of 3 different survey questions. *Journal of Head Trauma Rehabilitation*, 35(2), E136–E143.
<https://doi.org/10.1097/htr.0000000000000534>
- de Similien, R., & Al-Jammaly, M. (2021). Pseudobulbar affect symptoms in nursing home patients with neurocognitive disorders. *Clinical Medical Insights: Psychiatry*, 12, 1–5.
<https://journals.sagepub.com/doi/abs/10.1177/1179557321989691>
- de Similien, R., Al-Jammaly, M. D., Predescu, I., & Belzie, L. (2021). Pseudobulbar affect symptoms in nursing home patients with neurocognitive disorders. *Clinical Medicine Insights: Psychiatry*, 12, 117955732198969. <https://doi.org/10.1177/1179557321989691>
- Demler, T. P. L. (2020, August 6). *Introduction to Pseudobulbar Affect: Setting the Stage for Recognition and Familiarity With This Challenging Disorder*. AJMC.
<https://www.ajmc.com/view/introduction-to-pseudobulbar-affect-setting-the-stage-for-recognition-and-familiarity-with-this-challenging-disorder>

Death Penalty Information Center. (2019, June 13). *Mentally Ill Prisoners Who Were Executed*.

<https://deathpenaltyinfo.org/policy-issues/mental-illness/mentally-ill-prisoners-who-were-executed>

DeVellis, R.F. (2006). Classical test theory. *Medical Care*, 44(11), 550-559.

Dietrich, J. (Ed.). (2017). *The concept of allostasis: a new paradigm at the frontier between health and disease*.

https://www.researchgate.net/publication/323999718_The_Concept_of_Allostasis_A_New_Paradigm_at_the_Frontier_between_Health_and_Disease

Doctor, J., Castro, J., Temkin, N., Fraser, R., Machamer, J., & Dikmen, S. (2005). Workers' risk of unemployment after traumatic brain injury: A normed comparison. *Journal of the International Neuropsychological Society*, 11(06).

<https://doi.org/10.1017/s1355617705050836>

Du, H., Ding, Y., Gao, L., & Dong, Y. (2022). Simplification of the coma recovery scale – revised in disorders of consciousness: A prospective observational study. *Journal of Clinical Neuroscience*, 106, 199-203.

Duerr, H. M. A. (2021, May 3). *Is It a Psychiatric Disorder or TBI Medical Mimic?* Psychiatric Times. <https://www.psychiatrictimes.com/view/is-psychiatric-disorder-tbi-medical-mimic>

Eapen, B. C., Allred, D. B., O'Rourke, J. J., & Cifu, D. X. (2015). Rehabilitation of moderate-to-severe traumatic brain injury. *Seminars in Neurology*, 35(01), e1–e13.

Engelman, W., Hammond, F., & Malec, J. (2014). Diagnosing pseudobulbar affect in traumatic brain injury. *Neuropsychiatric Disease and Treatment*, 1903.

<https://doi.org/10.2147/ndt.s63304>

Ezer, T., Wright, M.S., & Fins, J. (2020). The Neglect of Persons with Severe Brain Injury in the United States: an international human rights analysis. *Health and Human Rights Journal*, 22(1), 265-278.

Ezer, T., Wright, M., & Fins, J. (2021, January 25). *The neglect of persons with severe brain injury in the United States: an international human rights analysis*. Health and Human Rights Journal. <https://www.hhrjournal.org/2020/06/the-neglect-of-persons-with-severe-brain-injury-in-the-united-states-an-international-human-rights-analysis/>

Fan, M. C., Li, S. F., Sun, P., Bai, G. T., Wang, N., Han, C., Sun, J., Li, Y., & Li, H. T. (2020). Early intensive rehabilitation for patients with traumatic brain injury: A prospective pilot trial. *World Neurosurgery*, 137, e183–e188. <https://doi.org/10.1016/j.wneu.2020.01.113>

Fann, J. R., Burington, B., Leonetti, A., Jaffe, K., Katon, W. J., & Thompson, R. S. (2004). Psychiatric illness following traumatic brain injury in an adult health maintenance organization population. *Archives of General Psychiatry*, 61(1), 53. <https://doi.org/10.1001/archpsyc.61.1.53>

Fann, J. R., Leonetti, A., Jaffe, K., Katon, W. J., Cummings, P., Thompson, R. S. (2002). Psychiatric illness and subsequent traumatic brain injury: A case study. *Journal of Neurology, Neurosurgery, and Psychiatry*, 72(5), 615-620.

Farrer, T. J., & Hedges, D. W. (2011). Prevalence of traumatic brain injury in incarcerated groups compared to the general population: A meta-analysis. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 35(2), 390–394. <https://doi.org/10.1016/j.pnpbp.2011.01.007>

Fleminger, S., & Ponsford, J. (2005). Long term outcome after traumatic brain injury. *BMJ*, 331(7530), 1419. <https://doi.org/10.1136/bmj.331.7530.1419>

- Frawley-O'Dea, M.G., & Sarnat, J.E. (2001). *The supervisory relationship: A contemporary psychodynamic approach*. New York, NY: Guilford Press.
- Friston, K. J. (2005). Models of brain function in neuroimaging. *Annual Review of Psychology*, *56*(1), 57–87. <https://doi.org/10.1146/annurev.psych.56.091103.070311>
- Galloway, C. (2017). *A Call to Mind: A Story of Undiagnosed Childhood Traumatic Brain Injury*. Brandylane Publishers, Inc.
- Gan, C., Gargaro, J., Brandys, C. Gerber, G., & Boschen, K. (2010). Family caregivers' support needs after brain injury: A synthesis of perspectives from caregivers, programs, and researchers. *NeuroRehabilitation*, *27*, 5-18.
- Ganzel, B. L., & Morris, P. A. (2011). Allostasis and the developing human brain: Explicit consideration of implicit models. *Development and Psychopathology*, *23*(4), 955–974. <https://doi.org/10.1017/s0954579411000447>
- Ganzel, B. L., Morris, P. A., & Wethington, E. (2010). Allostasis and the human brain: Integrating models of stress from the social and life sciences. *Psychological Review*, *117*(1), 134–174. <https://doi.org/10.1037/a0017773>
- Gao, S., Kumar, R. G., Wisniewski, S. R., & Fabio, A. (2018). Disparities in health care utilization of adults with traumatic brain injuries are related to insurance, race, and ethnicity: A systematic review. *Journal of Head Trauma Rehabilitation*, *33*(3), E40–E50. <https://doi.org/10.1097/htr.0000000000000338>
- Garcia-Molina, A. & Prigitano, G.P. (2022). George P. Prigitano's contributions to Neuropsychological rehabilitation and clinical neuropsychology: A 50-year perspective. *Frontiers in Psychology*, *13*, 1-9.

- Geng, C., Guo, Y., Wang, C., Liao, D., Han, W., Zhang, J., & Jiang, P. (2020). Systematic impacts of chronic unpredictable mild stress on metabolomics in rats. *Scientific Reports*, 10(1). <https://doi.org/10.1038/s41598-020-57566-x>
- Georges, A., & Das, J. (2022). Traumatic brain injury. *StatPearls*, PMID: 29083790. <https://www.ncbi.nlm.nih.gov/books/NBK459300/>
- Gerberding, J. L., & Binder, S. (2003). *Report to Congress on mild traumatic brain injury in the United States: steps to prevent a serious public health problem*. Center for Disease Control and Prevention. <https://www.cdc.gov/traumaticbraininjury/pdf/mtbireport-a.pdf>
- Gerdes, L., Tegeler, C. H., & Lee, S. W. (2015). A groundwork for allostatic neuro-education. *Frontiers in Psychology*, 6. <https://doi.org/10.3389/fpsyg.2015.01224>
- Gioacchino-Gelo, O.C. & Salvatore, S. (2016). A dynamic systems approach to psychotherapy: A meta-theoretical framework for explaining psychotherapy change processes. *Journal of Counseling Psychology*, 63(4), 379-395.
- Gomez-de-Regil, L., Estrella-Castillo, D.F., & Vega-Cauich, J. (2019). Psychological intervention in traumatic brain injury patients. *Behavioral Neurology*, 2019, 6937832.
- Gray, D.S. & Burnham, R.S. (2000). Preliminary outcome analysis of a long-term rehabilitation program for severe acquired brain injury. *Archives of Physical Medicine Rehabilitation*, 81, 1447-1456.
- Griesbach, G. S., Kreber, L. A., Harrington, D., & Ashley, M. J. (2015). Post-acute traumatic brain injury rehabilitation: Effects on outcome measures and life care costs. *Journal of Neurotrauma*, 32(10), 704–711.

- Guo, P., Ballesteros, A., Yeung, S., & Liu, R. (2022). COVCOG 2: Cognitive and memory deficits in long COVID: A second publication from the COVID and cognition study. *Frontiers in Aging Neuroscience, 14*. <https://doi.org/10.3389/fnagi.2022.804937>
- Haarbauer-Krupa, J., Pugh, M. J., Prager, E. M., Harmon, N., Wolfe, J., & Yaffe, K. (2021). Epidemiology of chronic effects of traumatic brain injury. *Journal of Neurotrauma, 38*(23), 3235–3247. <https://doi.org/10.1089/neu.2021.0062>
- Habib, M. (2004). Athymhormia and disorders of motivation in basal ganglia disease. *The Journal of Neuropsychiatry and Clinical Neurosciences, 16*(4), 509–524. <https://doi.org/10.1176/jnp.16.4.509>
- Hannay, H. J., Koffler, S., & Hammeke, T. A., (1998). III. How should education and training in the specialty of clinical neuropsychology be accomplished? A. Can all education and training in clinical neuropsychology be accomplished at a single level? *Archives of Clinical Neuropsychology, 13*(2), 203-205.
- Hanson, S. L. & Kerkhoff, T. R. (2011). The APA ethical principles as a foundational competency: Application to rehabilitation psychology. *Rehabilitation Psychology, 56*(3), 291-230.
- Heidlauf, T., & Röhrle, O. (2013). Modeling the chemoelectromechanical behavior of skeletal muscle using the parallel open-source software library OpenCMISS. *Computational and Mathematical Methods in Medicine, 2013*, 1–14. <https://doi.org/10.1155/2013/517287>
- HHS. (2023). *Health information privacy*. Retrieved from <https://www.hhs.gov/hipaa/index/html>
- Holmes, J. A. (1958). Equipotentiality versus cortical localization. *Science, 127*(3292), 241–241. <https://doi.org/10.1126/science.127.3292.241.a>

- Ikemoto, S. (2010). Brain reward circuitry beyond the mesolimbic dopamine system: A neurobiological theory. *Neuroscience & Biobehavioral Reviews*, 35(2), 129–150. <https://doi.org/10.1016/j.neubiorev.2010.02.001>
- Inami, A., Kiyono, H., & Kurashima, Y. (2018). ATP as a pathophysiologic mediator of bacteria-host crosstalk in the gastrointestinal tract. *International Journal of Molecular Sciences*, 19(8), 2371. <https://doi.org/10.3390/ijms19082371>
- Inkpen, S. A. (2019). Health, ecology and the microbiome. *ELife*, 8. <https://doi.org/10.7554/elife.47626>
- Institute of Medicine. (2011). *Cognitive rehabilitation therapy for traumatic brain injury: Evaluating the evidence*. The National Academies Press.
- Irdesel, J., Aydiner, S.B., & Akgoz, (2007). Rehabilitation outcome after traumatic brain injury. *Neurocirugia*, 18, 5-15.
- Irvine, K. A. & Clark, J. D. (2018). Chronic pain after traumatic brain injury: Pathophysiology and Pain Mechanisms. *Pain Medicine*, 19, 1315-1333.
- Jaspal, H., Neupane, D., & Madhusoodanan, S. (2019). Coprophagia in an older adult with schizophrenia- A case report and brief review. *Medical Case Reports and Reviews*, 2(3). <https://doi.org/10.15761/mcrr.1000135>
- Javanbakht, A., & Alberini, C. M. (2019). Editorial: Neurobiological models of psychotherapy. *Frontiers in Behavioral Neuroscience*, 13. <https://doi.org/10.3389/fnbeh.2019.00144>
- Jorgensen-Wagers, K. (2017) *Had a brain injury and didn't know it? It happens, but doesn't have to*. U.S. Army. Retrieved October 13, 2022, from https://www.army.mil/article/183857/had_a_brain_injury_and_didnt_know_it_it_happens_but_doesnt_have_to

- Jose, A. M. (2020). The analysis of living systems can generate both knowledge and illusions. *ELife*, 9. <https://doi.org/10.7554/elife.56354>
- Kann, O., & Kovács, R. (2007). Mitochondria and neuronal activity. *American Journal of Physiology-Cell Physiology*, 292(2), C641–C657. <https://doi.org/10.1152/ajpcell.00222.2006>
- Karpa, J., Cherrnomas, W., Roger, K., & Heinonen, T. (2020). Families' experiences living with acquired brain injury: "Thinking family" – A nursing pathway for family-centered care. *Nursing Research and Practice*, 2020, 8866534.
- Kazi, S. E., & Anwar, A. (2022). Pseudobulbar Affect Presenting as Aggressive Behavior. *Cureus*. <https://doi.org/10.7759/cureus.21978>
- Keeler, B. E., Lallemand, P., Patel, M. M., de Castro Brás, L. E., & Clemens, S. (2016). Opposing aging-related shift of excitatory dopamine D1 and inhibitory D3 receptor protein expression in striatum and spinal cord. *Journal of Neurophysiology*, 115(1), 363–369. <https://doi.org/10.1152/jn.00390.2015>
- Kennedy, E., Heron, J., & Munafò, M. (2017). Substance use, criminal behaviour and psychiatric symptoms following childhood traumatic brain injury: findings from the ALSPAC cohort. *European Child & Adolescent Psychiatry*, 26(10), 1197–1206. <https://doi.org/10.1007/s00787-017-0975-1>
- Khatri, N., & Man, H. Y. (2013a). Synaptic activity and bioenergy homeostasis: Implications in brain trauma and neurodegenerative diseases. *Frontiers in Neurology*, 4, 199. <https://doi.org/10.3389/fneur.2013.00199>

- Klingenberg, M. (2008). The ADP and ATP transport in mitochondria and its carrier. *Biochimica Et Biophysica Acta (BBA) - Biomembranes*, 1778(10), 1978–2021.
<https://doi.org/10.1016/j.bbamem.2008.04.011>
- Kluss, T. (2022a, August 11). *Pseudobulbar affect: An often-overlooked condition*. The Gerontology Society of America. <https://www.geron.org/press-room/press-releases/2022-press-releases/1459-pseudobulbar-affect-an-often-overlooked-condition>
- Kobeissy, F. H. (Ed.). (2015). *Brain Neurotrauma: Molecular, Neuropsychological, and Rehabilitation Aspects*. CRC Press/Taylor & Francis.
- Kreitzer, N., Kurowski, B.G., & Bakas, T. (2018). Systematic Review of caregiver and dyad interventions after adult traumatic brain injury. *Archives of Physical Medicine Rehabilitation*, 99(11), 2342-2354.
- Kuhn, T.S. (2012). *The Structure of Scientific Revolutions*, 4th edition. Chicago and London: The University of Chicago Press.
- Kushner, D. (1998). Mild traumatic brain injury. *Archives of Internal Medicine*, 158(15), 1617.
<https://doi.org/10.1001/archinte.158.15.1617>
- KY (2023a). Title 201Ch. 26. Retrieved from
<https://apps.legislature.ky.gov/law/kar/titles/201/026>
- KY (2023b). ABI Branch. Retrieved from <https://chfs.ky.gov/agencies/dms/dca/Pages/abi.aspx>
- KY (2023c). Title 803 Ch. 25. Retrieved from
<https://apps.legislature.ky.gov/law/kar/titles/803/025/>
- KY (2023d). Guardians. Retrieved from <https://apps.legislature.ky.gov/law/statutes/chapter-387>
- KY (2023e). Executive Order 2021-386. Retrieved from <https://governor.ky.gov/order -2021-386>

- Lanciego, J. L., Luquin, N., & Obeso, J. A. (2012). Functional neuroanatomy of the basal ganglia. *Cold Spring Harbor Perspectives in Medicine*, 2(12), a009621–a009621. <https://doi.org/10.1101/cshperspect.a009621>
- Lashley, K. S. (1931). Mass Action in Cerebral Function. *Science*, 73(1888), 245–254. <https://doi.org/10.1126/science.73.1888.245>
- Lattimore, P. K., Richardson, N. J., Ferguson, P. L., & Pickelsimer, E. E. (2022). The Association of Traumatic Brain Injury, post-traumatic stress disorder, and criminal recidivism. *Health & Justice*, 10(1). <https://doi.org/10.1186/s40352-022-00169-7>
- Leach, L. R., Frank, R. G., Bouman, D. E., & Farmer, J. (1994). Family functioning, social support, and depression after traumatic brain injury. *Brain Injury*, 599–606.
- Lemberg, A., & Alejandra Fernández, M. (2009). Hepatic encephalopathy, ammonia, glutamate, glutamine and oxidative stress. *Annals of Hepatology*, 8(2), 95–102. [https://doi.org/10.1016/s1665-2681\(19\)31785-5](https://doi.org/10.1016/s1665-2681(19)31785-5)
- Lin, X., Zhang, X., Liu, Q., Zhao, P., Zhang, H., Wang, H., & Yi, Z. (2021). Theory of mind in adults with traumatic brain injury: A meta-analysis. *Neuroscience & Biobehavioral Reviews*, 121, 106–118. <https://doi.org/10.1016/j.neubiorev.2020.12.010>
- Lochhead, J. D., Maguire, G. A., & Nelson, M. A. (2020, November 16). *Pseudobulbar affect versus depression: Issues in diagnosis and treatment*. Psychiatric Times. <https://www.psychiatrictimes.com/view/pseudobulbar-affect-versus-depression-issues-diagnosis-and-treatment>
- Long, C. F. (2007). The relationship between orientation and cognitive functional outcome in a brain injury rehabilitation setting (Doctoral dissertation). Retrieved from <https://www.spalding.edu/>

- Madeo, M., Kovacs, A. D., & Pearce, D. A. (2014). The human synaptic vesicle protein, SV2A, functions as a galactose transporter in *Saccharomyces cerevisiae*. *Journal of Biological Chemistry*, *289*(48), 33066-33071.
- Martinez-Pernia, D. (2020). Experiential neurorehabilitation: A neurological therapy based on the enactive paradigm. *Frontiers in Psychology*, *11*, 924.
- Mason, S. (2017). Lactate shuttles in neuroenergetics—homeostasis, allostasis and beyond. *Frontiers in Neuroscience*, *11*. <https://doi.org/10.3389/fnins.2017.00043>
- Mayo Clinic. (2016, May 19). Brain scans of dementia patients with coprophagia showed neurodegeneration. *ScienceDaily*. Retrieved October 4, 2022 from www.sciencedaily.com/releases/2016/05/160519154343.htm
- McAllister, T. W. (2011). Neurobiological consequences of traumatic brain injury. *Dialogues in Clinical Neuroscience*, *13*(3), 287–300.
<https://doi.org/10.31887/dcns.2011.13.2/tmcallister>
- McCrea, M. A., Giacino, J. T., Barber, J., Temkin, N. R., Nelson, L. D., Levin, H. S., Dikmen, S., Stein, M., Bodien, Y. G., Boase, K., Taylor, S. R., Vassar, M., Mukherjee, P., Robertson, C., Diaz-Arrastia, R., Okonkwo, D. O., Markowitz, A. J., Manley, G. T., TRACK-TBI Investigators, Adeoye, O., ... Zafonte, R. (2021). Functional outcomes over the first year after moderate to severe traumatic brain injury in the prospective, longitudinal TRACK-TBI study. *JAMA Neurology*, *78*(8), 982–992.
<https://doi.org/10.1001/jamaneurol.2021.2043>
- McEwen, B. S., & Gianaros, P. J. (2011). Stress- and allostasis-induced brain plasticity. *Annual Review of Medicine*, *62*(1), 431–445. <https://doi.org/10.1146/annurev-med-052209-100430>

- McFarland, D.J. (2017). How neuroscience can inform the study of individual differences in cognitive abilities. *Review of Neuroscience*, 28(4), 343-362.
- McIsaac, K. E., Moser, A., Moineddin, R., Keown, L. A., Wilton, G., Stewart, L. A., Colantonio, A., Nathens, A. B., & Matheson, F. I. (2016). Association between traumatic brain injury and incarceration: a population-based cohort study. *CMAJ Open*, 4(4), E746–E753.
<https://doi.org/10.9778/cmajo.20160072>
- McKinlay, A., & Albicini, M. (2016). Prevalence of traumatic brain injury and mental health problems among individuals within the criminal justice system. *Concussion*, 1(4), CNC25. <https://doi.org/10.2217/cnc-2016-0011>
- McLeod, S. (n.d.). *Mind body debate - dualism vs monism*. Simply Psychology. Retrieved October 4, 2022, from <https://www.simplypsychology.org/mindbodydebate.html>
- Meagher, A. D., Beadles, C. A., Doorey, J., & Charles, A. G. (2015). Racial and ethnic disparities in discharge to rehabilitation following traumatic brain injury. *Journal of Neurosurgery*, 122(3), 595–601. <https://doi.org/10.3171/2014.10.jns14187>
- Medina, M., & Castillo-Pino, E. (2019). An introduction to the epidemiology and burden of urinary tract infections. *Therapeutic Advances in Urology*, 11, 175628721983217.
<https://doi.org/10.1177/1756287219832172>
- Melzack, B. & Wall, P. D. (1965). Pain mechanisms: A new theory: A gate control system modulates sensory input from the skin before it evokes pain perception and response. *Science*, 150, 971-979.
- Metzger, E. (2017). Ethics and intimate sexual activity in long-term care. *AMA Journal of Ethics*, 19(7), 640-648.

- Milardi, D., Quartarone, A., Bramanti, A., Anastasi, G., Bertino, S., Basile, G. A., Buonasera, P., Pilone, G., Celeste, G., Rizzo, G., Bruschetta, D., & Cacciola, A. (2019). The Cortico-Basal Ganglia-Cerebellar Network: Past, Present and Future Perspectives. *Frontiers in systems neuroscience*, *13*, 61. <https://doi.org/10.3389/fnsys.2019.00061>
- Miller, W.R. & Moyers, T.B. (2021). *Effective psychotherapists: clinical skills that improve client outcomes*. Guilford Press.
- Model Systems Knowledge Translation Center (2023). *Traumatic brain injury and chronic pain: Part 1*. Retrieved from <https://msktc.org/tbi/factsheets/traumatic-brain-injury-and-chronic-pain-part-1>
- Moore, S., & Gresham, L. (1997). A self report measure of affective lability. *Journal of Neurology, Neurosurgery, and Psychiatry*, *63*(1).
<https://jnnp.bmj.com/content/63/1/89.long>
- Mora, F., Segovia, G., & Arco, A. (2008). Glutamate–dopamine–GABA interactions in the aging basal ganglia. *Brain Research Review*, *58*(2) 340-353.
<https://doi.org/10.1016/j.brainresrev.2007.10.006>
- Morcos, N., & Guirgis, H. (2014). A case of acute-onset partial Kluver-Bucy syndrome in a patient with a history of traumatic brain injury. *The Journal of Neuropsychiatry and Clinical Neurosciences*, *26*(3), E10–E11.
<https://doi.org/10.1176/appi.neuropsych.13060132>
- Multiple Sclerosis Trust. (2022). *Pseudobulbar affect (pathological laughing and crying)*.
<https://mstrust.org.uk/a-z/pseudobulbar-affect-pathological-laughing-and-crying>

Nagpal, R., Neth, B. J., Wang, S., Mishra, S. P., Craft, S., & Yadav, H. (2020). Gut mycobiome and its interaction with diet, gut bacteria and Alzheimer's disease markers in subjects with mild cognitive impairment: A pilot study. *EBioMedicine*, *59*, 102950.

<https://doi.org/10.1016/j.ebiom.2020.102950>

National Academies (2022). *Traumatic brain injury categories should be updated and personalized to better guide patient care, says new report*. Retrieved from

<https://www.nationalacademies.org/news/2022/02/traumatic-brain-injury-categories-should-be-updated-and-personalized-to-better-guide-patient-care-says-new-report>

National Data and Statistical Center. (2022). *Traumatic brain injury model systems national data and statistical center*. Retrieved from <https://tbindsc.org>

New concussion survey reveals majority of adults are unable to recognize common concussion symptoms. (2015, August 24) Abbott MediaRoom. <https://abbott.mediaroom.com/2015-08-24-New-Concussion-Survey-Reveals-Majority-of-Adults-are-Unable-to-Recognize-Common-Concussion-Symptoms>

Nguyen, T. T., Kosciolk, T., Maldonado, Y., Daly, R. E., Martin, A. S., McDonald, D., Knight, R., & Jeste, D. V. (2019). Differences in gut microbiome composition between persons with chronic schizophrenia and healthy comparison subjects. *Schizophrenia Research*, *204*, 23–29. <https://doi.org/10.1016/j.schres.2018.09.014>

Nichols, H. (2019, July 4). What are the leading causes of death in the US? Medical News Today. <https://www.medicalnewstoday.com/articles/282929>

National Institutes of Health. (2018, June 26). *Many with mild traumatic brain injury don't receive follow-up care*. <https://www.nih.gov/news-events/nih-research-matters/many-mild-traumatic-brain-injury-dont-receive-follow-care>

National Institutes of Health (2023). *NIDA quick screen*. Retrieved from <https://nida.nih.gov>

Niknahad, H., Jamshidzadeh, A., Heidari, R., Zarei, M., & Ommati, M. M. (2017). Ammonia-induced mitochondrial dysfunction and energy metabolism disturbances in isolated brain and liver mitochondria, and the effect of taurine administration: Relevance to hepatic encephalopathy treatment. *Clinical and Experimental Hepatology*, 3, 141–151.
<https://doi.org/10.5114/ceh.2017.68833>

No Authors Listed. (1998). Rehabilitation of persons with traumatic brain injury. *NIH consensus statement*, 16(1), 26-28.

National Organization for Rare Disorders. (2021, July 12). *Mitochondrial neurogastrointestinal encephalopathy*. NORD (National Organization for Rare Disorders). <https://rarediseases.org/rare-diseases/mitochondrial-neurogastrointestinal-encephalopathy/>

Nuedexta® (n.d.) *Diagnosing Pseudobulbar Affect (PBA)*. Retrieved October 13, 2022, from <https://www.nuedextahcp.com/identifying-pba>

Oddy, M., Moir, J. F., Fortescue, D., & Chadwick, S. (2012). The prevalence of traumatic brain injury in the homeless community in a UK city. *Brain Injury*, 26(9), 1058–1064.
<https://doi.org/10.3109/02699052.2012.667595>

Ohira, H. (2020). Predictive processing of interoception, decision-making, and allostasis. *Psihologijske Teme*, 29(1), 1–16. <https://doi.org/10.31820/pt.29.1.1>

One in two homeless people may have experienced a head injury in their lifetime: Almost one in four may have experienced a head injury that is moderate or severe. (n.d.). Science Daily. Retrieved October 4, 2022, from <https://www.sciencedaily.com/releases/2019/12/191203094821.htm>

- Orlovska, S., Pedersen, M. S., Benros, M. E., Mortensen, P. B., Agerbo, E., & Nordentoft, M. (2014). Head injury as risk factor for psychiatric disorders: A nationwide register-based follow-up study of 113,906 persons with head injury. *American Journal of Psychiatry*, *171*(4), 463–469. <https://doi.org/10.1176/appi.ajp.2013.13020190>
- Owens, M. J. (2003). Pharmacology of Valproate. *Psychopharmacology Bulletin*, *37*(2), 17-24.
- Özugur, S., Kunz, L., & Straka, H. (2020). Relationship between oxygen consumption and neuronal activity in a defined neural circuit. *BMC Biology*, *18*(1). <https://doi.org/10.1186/s12915-020-00811-6>
- Pacella-LaBarbara, M. L., Plaitano, E. G., Suffoletto, B. P., Kuhn, E., Germain, A., Jaramillo, S., Repine, M., & Callaway, C. W. (2023). A longitudinal assessment of posttraumatic stress symptoms and pain catastrophizing after injury. *Rehabilitation Psychology*, *68*(1), 32–42. <https://doi.org/10.1037/rep0000481>
- Palmer, B.W. (2015). Study Participants and Informed Consent. *Monitor on Psychology*, *46*(8), 62.
- Parasuraman, R. & Jiang, Y. (2012). Individual differences in cognition, affect, and performance: Behavioral, neuroimaging, and molecular genetic approaches. *Neuroimage*, *59*(1), 70-82.
- Perrin, P. B. (2019). Diversity and social justice in disability: The heart and soul of rehabilitation psychology. *Rehabilitation Psychology*, *64*(2), 105-110.
- Ponsford, J., Lee, N. K., Wong, D., McKay, A., Haines, K., Alway, Y., Downing, M., Furtado, C. & O'Donnell, M. L. (2016). Efficacy of motivational interviewing and cognitive behavioral therapy for anxiety and depression symptoms following traumatic brain injury. *Psychological Medicine*, *46*(5), 1079-1090. doi:10.1017/S0033291715002640

- Popescu, C., Anghelescu, A., & Onose, G. (2015). Actual data on epidemiological evolution and prevention endeavours regarding traumatic brain injury. *Journal of Medicine and Life*, 8(3), PMID: PMC4556905. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4556905/>
- Portales-Castillo, I., & Sterns, R. H. (2019). Allostasis and the clinical manifestations of mild to moderate chronic hyponatremia: No good adaptation goes unpunished. *American Journal of Kidney Diseases*, 73(3), 391–399. <https://doi.org/10.1053/j.ajkd.2018.10.004>
- Posner, J.B., Saper, C. B., Schiff, N. D., & Claassen, J. (2019). *Plum and Posner's Diagnosis and Treatment of Stupor and Coma*. Oxford University Press.
- Pozzato, I., Meares, S., Kifley, A., Craig, A., Gillett, M., Vu, K. V., Liang, A., Cameron, I., & Gopinath, B. (2020). Challenges in the acute identification of mild traumatic brain injuries: results from an emergency department surveillance study. *BMJ Open*, 10(2), e034494. <https://doi.org/10.1136/bmjopen-2019-034494>
- Proietti, M., Perruzza, L., Scribano, D., Pellegrini, G., D'Antuono, R., Strati, F., Raffaelli, M., Gonzalez, S. F., Thelen, M., Hardt, W. D., Slack, E., Nicoletti, M., & Grassi, F. (2019). ATP released by intestinal bacteria limits the generation of protective IgA against enteropathogens. *Nature Communications*, 10(1). <https://doi.org/10.1038/s41467-018-08156-z>
- Przybyla, J. (2020). *Philosophical and methodological problems concerning neuropsychanalysis*. Retrieved from <https://www.researchgate.net/publication/3387>
- Pseudobulbar affect: Diagnosis and treatment -. (2018, May 16). Mayo Clinic. <https://www.mayoclinic.org/diseases-conditions/pseudobulbar-affect/diagnosis-treatment/drc-20353741>

- Pseudobulbar affect (PBA): Causes, symptoms & treatment. (n.d.). Cleveland Clinic. Retrieved October 13, 2022, from <https://my.clevelandclinic.org/health/diseases/17928-pseudobulbar-affect-pba>
- Psycom. (2018, May 31). Pseudobulbar affect test (self-assessment). Retrieved October 18, 2022, from <https://www.psycom.net/pseudobulbar-affect-test>
- Purves, D. (2019). Brains as engines of association an operating principle for nervous systems. *Oxford Academic*. <https://doi.org/10.1093/oso/9780190880163.001.0001>
- Race, quality of care, and antipsychotic prescribing practices in psychiatric emergency services. (1996). *Psychiatric Services*, 47(3), 282–286. <https://doi.org/10.1176/ps.47.3.282>
- Rama Rao, K. V., & Norenberg, M. D. (2012). Brain energy metabolism and mitochondrial dysfunction in acute and chronic hepatic encephalopathy. *Neurochemistry International*, 60(7), 697–706. <https://doi.org/10.1016/j.neuint.2011.09.007>
- Ramsey, D.S. & Woods, S.C. (2014). Clarifying the roles of homeostasis and allostasis in physiological regulation. *Psychology Review*, 121(2), 225-247.
- Rapaport, L. (2018, June 5). Many people with mild brain injuries don't get follow-up care. Reuters Health. U.S. <https://www.reuters.com/article/us-health-brain-injury-followup/many-people-with-mild-brain-injuries-dont-get-follow-up-care-idUSKCN1J02ZG>
- Rasmussen, M. S., Arango-Lasprilla, J. C., Andelic, N., Nordenmark, T. H., & Soberg, H. L. (2020). Mental health and family functioning in patients and their family members after traumatic brain injury: A cross-sectional study. *Brain Sciences*, 10(10), 670.

- Redgrave, P., Rodriguez, M., Smith, Y., Rodriguez-Oroz, M. C., Lehericy, S., Bergman, H., Agid, Y., DeLong, M. R., & Obeso, J. A. (2010). Goal-directed and habitual control in the basal ganglia: implications for Parkinson's disease. *Nature Reviews Neuroscience*, *11*(11), 760–772. <https://doi.org/10.1038/nrn2915>
- Riggio, S. (2011). Traumatic brain injury and its neurobehavioral sequelae. *Neurologic Clinics*, *29*(1), 35–47. <https://doi.org/10.1016/j.ncl.2010.10.008>
- Ring, H. A. (2002). Neuropsychiatry of the basal ganglia. *Journal of Neurology, Neurosurgery & Psychiatry*, *72*(1), 12–21. <https://doi.org/10.1136/jnnp.72.1.12>
- Rizoli, S., Petersen, A., Bulger, E., Coimbra, R., Kerby, J. D., Minei, J., Morrison, L., Nathens, A., Schreiber, M., de Oliveira Manoel, A. L., & ROC Investigators (2016). Early prediction of outcome after severe traumatic brain injury: a simple and practical model. *BMC Emergency Medicine*, *16*(1), 32. <https://doi.org/10.1186/s12873-016-0098-x>
- Rutherford, A. (2001). *Introducing Anova and Ancova: A GLM approach*. California: Sage.
- Samardžić, L., & Nikolić, G. (2013). Neurobiology of psychotherapeutic relationship-new perspectives. *Acta Facultatis Medicae Naissensis*, *30*(2), 55–61. <https://doi.org/10.2478/v10283-012-0037-z>
- Ryan, R. M., Ingram, S. L., & Scimemi, A. (2021). Regulation of glutamate, GABA and dopamine transporter uptake, surface mobility and expression. *Frontiers in Cellular Neuroscience*, *15*. <https://doi.org/10.3389/fncel.2021.670346>
- Sander, A. M., Davis, L. C., Struchen, M.A., Atchison, T., Sherer, M. Malec, J. F., & Nakase Richardson, R. (2007). Relationship of race / ethnicity to caregiver's coping, appraisals, and distress after traumatic brain injury. *Neurorehabilitation*, *22*, 9-17.

- Sander, A. M. & Maestas, K. L. (2011). Addressing sexuality in traumatic brain injury rehabilitation. Retrieved from <https://www.biausa.org>
- Sarai, T. (2022, May 26). Brain injuries and ‘the revolving door’ of incarceration. *Prism*.
<https://prismreports.org/2022/05/26/brain-injuries-incarceration/>
- Sbordone, R. J., Liter, J. C., & Pettler-Jennings, P. (1995). Recovery of function following severe traumatic brain injury: A retrospective 10-year follow-up. *Brain injury*, 9(3), 285–299.
<https://doi.org/10.3109/02699059509008199>
- Schneider, E. B., Sur, S., Raymont, V., Duckworth, J., Kowalski, R. G., Efron, D. T., Hui, X., Selvarajah, S., Hambridge, H. L., & Stevens, R. D. (2014). Functional recovery after moderate/severe traumatic brain injury: a role for cognitive reserve? *Neurology*, 82(18), 1636–1642. <https://doi.org/10.1212/WNL.0000000000000379>
- Schulkin, J., & Sterling, P. (2019). Allostasis: A brain-centered, predictive mode of physiological regulation. *Trends in Neurosciences*, 42(10), 740–752.
<https://doi.org/10.1016/j.tins.2019.07.010>
- Schwarzbold, M., Diaz, A., Martins, E. T., Rufino, A., Amante, L. N., Thais, M. E., Quevedo, J., Hohl, A., Linhares, M. N., & Walz, R. (2008). Psychiatric disorders and traumatic brain injury. *Neuropsychiatric Disease and Treatment*, 4(4), 797–816.
<https://doi.org/10.2147/ndt.s2653>
- Sharma, T. R., Aly, M., & Kavuru, B. (2011). Coprophagia and pica in individuals with mild to moderate dementia and mixed (iron deficiency and macrocytic) anemia. *Journal of the American Geriatrics Society*, 59(12), 2375–2377. <https://doi.org/10.1111/j.1532-5415.2011.03703.x>

- Sherer, M.J. (2010). Rehabilitation Psychology. In I.B. Weiner & W.E. Craighead (Eds.), *The Corsini Encyclopedia of Psychology* (pp. 1444-1447). Wiley.
- Sherer, M., & Sander, A. M. (Eds.). (2014). *Handbook on the neuropsychology of traumatic brain injury*. Springer Science + Business Media. <https://doi.org/10.1007/978-1-4939-0784-7>
- Shiroma, E. J., Ferguson, P. L., & Pickelsimer, E. E. (2010). Prevalence of traumatic brain injury in an offender population: A meta-analysis. *Journal of Correctional Health Care*, 16(2), 147–159. <https://doi.org/10.1177/1078345809356538>
- Silvani, A., Calandra-Buonaura, G., Dampney, R. A. L., & Cortelli, P. (2016). Brain–heart interactions: physiology and clinical implications. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 374(2067), 20150181. <https://doi.org/10.1098/rsta.2015.0181>
- Simmons, Z., & Ahmed, A. (2013). Pseudobulbar affect: prevalence and management. *Therapeutics and Clinical Risk Management*, 483. <https://doi.org/10.2147/tcrm.s53906>
- Simpson, I., Carruthers, A., & Vannucci, S. (2007). Supply and demand in cerebral energy metabolism: the role of nutrient transporters. *Journal of Cerebral Blood Flow and Metabolism*, 27(11), 1766–1791. <https://doi.org/10.1038/sj.jcbfm.9600521>
- Sivandzade, F., Alqahtani, F., & Cucullo, L. (2020a). Traumatic Brain Injury and Blood-Brain Barrier (BBB): Underlying Pathophysiological Mechanisms and the Influence of Cigarette Smoking as a Premorbid Condition. *International journal of molecular sciences*, 21(8), 2721. <https://doi.org/10.3390/ijms21082721>

- Sivandzade, F., Alqahtani, F., Sifat, A., & Cucullo, L. (2020). The cerebrovascular and neurological impact of chronic smoking on post-traumatic brain injury outcome and recovery: An in vivo study. *Journal of neuroinflammation*, *17*(1), 133. <https://doi.org/10.1186/s12974-020-01818-0>
- Smith, G. (2018). Education and training in clinical neuropsychology: recent developments and documents from the clinical neuropsychology synarchy. *Archives of Clinical Neuropsychology*, *34*(3), 418-431. <https://doi.org/10.1093/arclin/acy075>
- Sonne, J., Reddy, V., & Beato, M. (2021). *Neuroanatomy, substantia nigra* [National Library of Medicine]. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK536995/>
- Steps of cellular respiration | Biology* (article). (n.d.). Khan Academy. Retrieved October 4, 2022, from <https://www.khanacademy.org/science/ap-biology/cellular-energetics/cellular-respiration-ap/a/steps-of-cellular-respiration>
- Sterling P. (2012). Allostasis: a model of predictive regulation. *Physiology & Behavior*, *106*(1), 5–15. <https://doi.org/10.1016/j.physbeh.2011.06.004>
- Stubbs, J. L., Thornton, A. E., Sevic, J. M., Silverberg, N. D., Barr, A. M., Honer, W. G., & Panenka, W. J. (2020). Traumatic brain injury in homeless and marginally housed individuals: a systematic review and meta-analysis. *The Lancet Public Health*, *5*(1), e19–e32. [https://doi.org/10.1016/s2468-2667\(19\)30188-4](https://doi.org/10.1016/s2468-2667(19)30188-4)
- Tackett, M. J., Nash, L., Stucky, K. J., & Nierenberg, B. (2016). Supervision in rehabilitation psychology: Application of Beatrice Wright's value-laden beliefs and principles. *Rehabilitation Psychology*, *61*(1), 74–81. <https://doi.org/10.1037/rep0000070>

- Takeuchi, H., Mizuno, T., Zhang, G., Wang, J., Kawanokuchi, J., Kuno, R., & Suzumura, A. (2005). Neuritic beading induced by activated microglia is an early feature of neuronal dysfunction toward neuronal death by inhibition of mitochondrial respiration and axonal transport. *Journal of Biological Chemistry*, *280*(11), 10444–10454.
<https://doi.org/10.1074/jbc.m413863200>
- TBI Research Review: Unidentified Brain Injury. (2017a, May 27). BrainLine.
<https://www.brainline.org/article/tbi-research-review-unidentified-brain-injury>
- Teuber, H. L., & Weinstein, S. (1958). Response: Equipotentiality versus cortical localization. *Science*, *127*(3292), 241–242. <https://doi.org/10.1126/science.127.3292.241.b>
- Thomas, G.B., Hass, J., Heil, C., & Weir, M.D. (2018). *Calculus*. Pearson Education, Inc.
- Ticinesi, A., Tana, C., Nouvenne, A., Prati, B., Lauretani, F., & Meschi, T. (2018). Gut microbiota, cognitive frailty and dementia in older individuals: a systematic review. *Clinical Interventions in Aging*, *13*, 1497–1511. <https://doi.org/10.2147/cia.s139163>
- Toomey, B., & Ecker, B. (2009). Competing visions of the implications of neuroscience for psychotherapy. *Journal of Constructivist Psychology*, *22*(2), 95–140.
<https://doi.org/10.1080/10720530802675748>
- Trexler, L. E. & Parrott, D. R. (2018). Models of brain injury vocational rehabilitation: The evidence of resource facilitation from efficacy to effectiveness. *Journal of Vocational Rehabilitation*, *49*, 195-203.
- Turner, D. A. & Adamson, D. C. (2011). Neuronal-astrocyte metabolic interactions: Understanding the transition into abnormal astrocytoma metabolism. *Journal of Neuropathology Experimental Neurology*, *70*(3), 167-176.

Turner-Stokes, L. (2008). Evidence for the effectiveness of multi-disciplinary rehabilitation following acquired brain injury: A synthesis of two systemic approaches. *Journal of Rehabilitation Medicine*, 40, 691-701.

University of Pittsburgh Medical Center: Sports Medicine (n.d.). *Concussion Statistics and Facts*. UPMC. Retrieved October 18, 2022, from <https://www.upmc.com/services/sports-medicine/services/concussion/about/facts-statistics>

U.S. Census (2023). *Quick Facts KY*. Retrieved from <https://www.census.gov/quickfacts/ky>

U.S. Government (2023a). The Americans with Disability Act. Retrieved from <https://www.ada.gov/>

U.S. Government (2023b). Controlled Substance Act USC 801. Retrieved from <https://www.dea.gov>

Uomoto, J. M., & Loughlin, J. (2016). Neuroepidemiology and racial disparities in neurorehabilitation care. *Multicultural Neurorehabilitation*.
<https://doi.org/10.1891/9780826115287.0001>

Utzschneider, K. M., Kratz, M., Damman, C. J., & Hullarg, M. (2016). Mechanisms linking the gut microbiome and glucose metabolism. *The Journal of Clinical Endocrinology & Metabolism*, 101(4), 1445–1454. <https://doi.org/10.1210/jc.2015-4251>

van Reekum, R. (2000). Can traumatic brain injury cause psychiatric disorders? *Journal of Neuropsychiatry*, 12(3), 316–327. <https://doi.org/10.1176/appi.neuropsych.12.3.316>

van Reekum, R., Bolago, I., Finlayson, M. A. J., Garner, S., & Links, P. S. (1996). Psychiatric disorders after traumatic brain injury. *Brain Injury*, 10(5), 319–328.
<https://doi.org/10.1080/026990596124340>

- Vangel, S.J., Rapport, L.J., & Hanks, R.A. (2011). Effects of family and caregiver psychosocial functioning on outcomes in persons with traumatic brain injury. *Head Trauma Rehabilitation, 26*(1), 20-29.
- Verduzco-Mendoza, A., Carrillo-Moro, P., Avila-Luna, A., Galvez-Rosas, A., Olmos-Hernandez, A., Mota-Rojas, D., & Bueno-Nava, A. (2021). Role of the dopaminergic system in the striatum and its association with functional recovery or rehabilitation after brain injury. *Frontiers in Neuroscience, 15*, 693404.
- Vértés, P. E., Alexander-Bloch, A. F., Gogtay, N., Giedd, J. N., Rapoport, J. L., & Bullmore, E. T. (2012). Simple models of human brain functional networks. *Proceedings of the National Academy of Sciences, 109*(15), 5868–5873. <https://doi.org/10.1073/pnas.1111738109>
- Wald, M., Helgeson, S., & Langlois, J. (n.d.). *Traumatic Brain Injury Among Prisoners*. In BrainLine.org. BrainLine. Retrieved September 26, 2022, from <https://www.brainline.org/sites/default/files/Traumatic%20Brain%20Injury%20Among%20Prisoners.pdf>
- Walker, R., Hiller, M., Staton, M., & Leukefeld, C. G. (2003). Head injury among drug abusers: An indicator of co-occurring problems. *Journal of Psychoactive Drugs, 35*(3), 343–353. <https://doi.org/10.1080/02791072.2003.10400017>
- Walz, R. (2008). Psychiatric disorders and traumatic brain injury. *Neuropsychiatric Disease and Treatment, 797*. <https://doi.org/10.2147/ndt.s2653>
- Wasterlain, C. G., Fujikawa, D. G., Penix, L., Sankar, R. (1993). Pathophysiological mechanisms of brain damage from status epilepticus. *Epilepsia, 34*, 537-553.

- Watts, M. E., Pocock, R., & Claudianos, C. (2018). Brain energy and oxygen metabolism: emerging role in normal function and disease. *Frontiers in Molecular Neuroscience, 11*.
<https://doi.org/10.3389/fnmol.2018.00216>
- Whiffin, C. J., Gracey, F., & Ellis-Hill, C. (2021). the experience of families following traumatic brain injury in adult populations: A meta-synthesis of narrative structures. *International Journal of Nursing Studies, 123*, 104043.
- Whiteneck, G. G., Cuthbert, J. P., Corrigan, J. D., & Bogner, J. A. (2016). Prevalence of self-reported lifetime history of traumatic brain injury and associated disability. *Journal of Head Trauma Rehabilitation, 31*(1), E55–E62.
<https://doi.org/10.1097/htr.0000000000000140>
- Williams, W. H., Chitsabesan, P., Fazel, S., McMillan, T., Hughes, N., Parsonage, M., & Tonks, J. (2018). Traumatic brain injury: a potential cause of violent crime? *The Lancet Psychiatry, 5*(10), 836–844. [https://doi.org/10.1016/s2215-0366\(18\)30062-2](https://doi.org/10.1016/s2215-0366(18)30062-2)
- Williams, W. H., Mewse, A. J., Tonks, J., Mills, S., Burgess, C. N. W., & Cordan, G. (2010). Traumatic brain injury in a prison population: Prevalence and risk for re-offending. *Brain Injury, 24*(10), 1184–1188. <https://doi.org/10.3109/02699052.2010.495697>
- Winter, L., Alam, M., Heissler, H. E., Saryyeva, A., Milakara, D., Jin, X., Heitland, I., Schwabe, K., Krauss, J. K., & Kahl, K. G. (2019). Neurobiological mechanisms of metacognitive therapy – An experimental paradigm. *Frontiers in Psychology, 10*.
<https://doi.org/10.3389/fpsyg.2019.00660>
- Witt, L. (2022, May 26). *Brain injuries and ‘the revolving door’ of incarceration*. Prism.
<https://prismreports.org/2022/05/26/brain-injuries-incarceration/>

- Woodard, T., Kim, C., Calderon, F., & Hill, C. (2017). Review of the diagnosis and management of pseudobulbar affect. *US Pharmacist, US Pharm.* 2017;42(11):31-35.
<https://www.uspharmacist.com/article/review-of-the-diagnosis-and-management-of-pseudobulbar-affect>
- Wright, B.A. (1972). Value-laden beliefs and principles for rehabilitation psychology. *Rehabilitation Psychology, 19*(1), 38-45.
- Wright, B.A. (1981). Value-laden beliefs and principles of rehabilitation. *Rehabilitation Literature, 42*, 266-269.
- Whyte, J., Vaccaro, M., Grieb-Neff, P., Hart, T., Polansky, M., & Coslett, H. B. (2008). The effects of bromocriptine on attention deficits after traumatic brain injury: A Placebo controlled pilot study. *American Journal of Physical Medicine & Rehabilitation, 87*(2), 85-99.
- Wu, J., Zhang, M., Hao, S., Jia, M., Ji, M., Qiu, L., Sun, X., Yang, J., & Li, K. (2014). Mitochondria-targeted peptide reverses mitochondrial dysfunction and cognitive deficits in sepsis-associated encephalopathy. *Molecular Neurobiology, 52*(1), 783–791.
<https://doi.org/10.1007/s12035-014-8918-z>
- Yamaguchi, T., Wang, H. L., Li, X., Ng, T. H., & Morales, M. (2011). Mesocorticolimbic glutamatergic pathway. *Journal of Neuroscience, 31*(23), 8476–8490.
<https://doi.org/10.1523/jneurosci.1598-11.2011>
- Yeates, K. O., Taylor, H. G., Woodrome, S. E., Wade, S. L., Stancin, T., & Drotar, D. (2002). Race as a moderator of parent and family outcomes following pediatric traumatic brain injury. *Journal of Pediatric Psychology, 27*(4), 393-403.

- Young, J. T., & Hughes, N. (2020). Traumatic brain injury and homelessness: From prevalence to prevention. *The Lancet Public Health*, 5(1), e4–e5. [https://doi.org/10.1016/s2468-2667\(19\)30225-7](https://doi.org/10.1016/s2468-2667(19)30225-7)
- Zaninotto, A. L., Vicentini, J. E., Fregni, F., Rodrigues, A. P., Botelho, C., Souza-de-Lucia, M. C., & Paiva, W. S. (2016). updates and current perspectives of psychiatric assessments after traumatic brain injury: A systematic review. *Frontiers in Psychiatry*, 7(95).
- Zhang, L., Li, Z., Yu, Y., Ji, G. J., Tian, Y., & Wang, K. (2022). Frontothalamic circuit abnormalities in patients with bipolar depression and suicide attempts. *The Journal of Clinical Psychiatry*, 83(6). <https://doi.org/10.4088/jcp.21m14185>
- Zhou, Y. & Danbolt, N. C. (2013). GABA and glutamate transporters in brain. *Frontiers in Endocrinology*, 4, 165.