

Recent Developments on Adult ADHD with Applications for Students and Teachers

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Overview of Attention Deficit/Hyperactivity Disorder

- Diagnosis
- Prevalence
- Neuroimaging
- Neuropsychology
- Treatment
 - Pharmaceutical
 - Non-pharmaceutical

Lab investigations - Neuropsychology and psychophysiology of ADHD

- Working Memory
- Attentional control and response inhibition
- Quantitative EEG (QEEG)
- Electrodermal activity (EDA)

Impact of Adult ADHD

- Daily life
- College
- Career

Some potential strategies

- For students with ADHD
- For general course design
- For working with students with ADHD

Notes

Overview of ADHD

Neuroimaging, neuropsychology, and treatment of ADHD

Impact of Adult ADHD _____

Potential Strategies

For students _____

For Teachers - course design _____

For working with individual students _____

Selected References

- Banaschewski, T., Coghill, D., & Zuddas, A. (Eds.). (2018). *Oxford textbook of attention deficit hyperactivity disorder*. Oxford, United Kingdom: Oxford University Press.
- Barkley, R. A. (2012). *Executive functions: What they are, how they work, and why they evolved*. New York: Guilford Press.
- Barkley, R. A. (Ed.) (2015). *Attention-deficit hyperactivity disorder: A handbook for diagnosis and treatment* (4th ed.). New York: Guilford Press.
- Barkley, R. A., Murphy, K. R., & Fischer, M. (2008). *ADHD in adults: What the science says*. New York: Guilford Press.
- Baroni, A., & Castellanos, F. X. (2015). Neuroanatomic and cognitive abnormalities in attention-deficit/hyperactivity disorder in the era of 'high definition' neuroimaging. *Current Opinion in Neurobiology*, *30*, 1-8. doi:10.1016/j.conb.2014.08.005
- Caye, A., Swanson, J., Thapar, A., Sibley, M., Arseneault, L., Hechtman, L., . . . Rohde, L. A. (2016). Life span studies of ADHD-conceptual challenges and predictors of persistence and outcome. *Curr Psychiatry Rep*, *18*(12), 111. doi:10.1007/s11920-016-0750-x
- Dawson, P., & Guare, R. (2012). *Coaching students with executive skills deficits*. New York, NY: Guilford Press.
- Dawson, P., & Guare, R. (2017). *The work-smart academic planner: Write it down, get it done* (revised ed.). New York, NY: Guilford Press.
- Fleming, A. P., & McMahon, R. J. (2012). Developmental context and treatment principles for ADHD among college students. *Clinical Child and Family Psychology Review*, *15*(4), 303-329. doi:10.1007/s10567-012-0121-z
- Forster, S., Robertson, D. J., Jennings, A., Asherson, P., & Lavie, N. (2014). Plugging the attention deficit: Perceptual load counters increased distraction in ADHD. *Neuropsychology*, *28*(1), 91-97. doi:10.1037/neu0000020
- Gray, S. A., Fettes, P., Woltering, S., Mawjee, K., & Tannock, R. (2016). Symptom manifestation and impairments in college students with ADHD. *Journal of Learning Disabilities*, *49*(6), 616-630. doi:10.1177/0022219415576523
- Howard, A. L., Strickland, N. J., Murray, D. W., Tamm, L., Swanson, J. M., Hinshaw, S. P., . . . Molina, B. S. G. (2016). Progression of impairment in adolescents with attention-deficit/hyperactivity disorder through the transition out of high school: Contributions of parent involvement and college attendance. *Journal of Abnormal Psychology*, *125*(2), 233-247. doi:10.1037/abn0000100

- Jarrett, M. A. (2016). Attention-deficit/hyperactivity disorder (ADHD) symptoms, anxiety symptoms, and executive functioning in emerging adults. *Psychological Assessment, 28*(2), 245-250. doi:10.1037/pas0000190
- Kennedy, M. R. T. (2017). *Coaching college students with executive function problems*. New York, NY: Guilford Press.
- Lefler, E. K., Sacchetti, G. M., & Del Carlo, D. I. (2016). ADHD in college: A qualitative analysis. *ADHD Attention Deficit and Hyperactivity Disorders, 8*(2), 79-93. doi:10.1007/s12402-016-0190-9
- McKeague, L., Hennessy, E., O'Driscoll, C., & Heary, C. (2015). Retrospective accounts of self-stigma experienced by young people with attention-deficit/hyperactivity disorder (ADHD) or depression. *Psychiatric Rehabilitation Journal, 38*(2), 158-163. doi:10.1037/prj0000121
- Miller, L. A., Lewandowski, L. J., & Antshel, K. M. (2015). Effects of extended time for college students with and without ADHD. *Journal of Attention Disorders, 19*(8), 678-686. doi:10.1177/1087054713483308
- Murphy, K. R. (2015). Psychological counseling of adults with ADHD. In R. A. Barkley (Ed.), *Attention-deficit hyperactivity disorder: A handbook for diagnosis and treatment* (pp. 741–756). New York, NY: Guilford Press.
- Nigg, J. T. (2017). *Getting ahead of ADHD: What next-generation science says about treatments that work—and how you can make them work for your child*. New York, NY: Guilford Press.
- Ramsay, J. R., & Rostain, A. L. (2016). Adult attention-deficit/hyperactivity disorder as an implementation problem: Clinical significance, underlying mechanisms, and psychosocial treatment. *Practice Innovations, 1*(1), 36-52. doi:10.1037/pri0000016
- Reaser, A., Prevatt, F., Petscher, Y., & Proctor, B. (2007). The learning and study strategies of college students with ADHD. *Psychology in the Schools, 44*(6), 627-638. doi:10.1002/pits.20252
- Rubia, K. (2018). Cognitive neuroscience of attention deficit hyperactivity disorder (ADHD) and its clinical translation. *Frontiers in Human Neuroscience, 12*, 100. doi:10.3389/fnhum.2018.00100
- Vance, T. A., & Weyandt, L. (2008). Professor perceptions of college students with attention deficit hyperactivity disorder. *Journal of American College Health, 57*(3), 303-308. doi:10.3200/JACH.57.3.303-308
- Weyandt, L. L., Oster, D. R., Gudmundsdottir, B. G., DuPaul, G. J., & Anastopoulos, A. D. (2016). Neuropsychological functioning in college students with and without ADHD. *Neuropsychology, 31*(1), 1-11. doi:10.1037/neu0000326