

References

References Cited in the Poster

1. Rubia K. Cognitive neuroscience of attention deficit hyperactivity disorder (ADHD) and its clinical translation. *Front Hum Neurosci.* 2018;12:100.
<https://doi.org/10.3389/fnhum.2018.00100>
2. Polich J. Updating P300: An integrative theory of P3a and P3b. *Clin Neurophysiol.* 2007;118(10):2128–2148. <https://doi.org/10.1016/j.clinph.2007.04.019>
3. Huang WJ, Chen WW, Zhang X. The neurophysiology of P300—An integrated review. *Eur Rev Med Pharmacol Sci.* 2015;19(8):1480–8.
4. Peisch V, Rutter T, Wilkinson CL, Arnett AB. Sensory processing and P300 event-related potential correlates of stimulant response in children with attention-deficit/hyperactivity disorder: A critical review. *Clin Neurophysiol.* 2021;132(4):953–966.
<https://doi.org/10.1016/j.clinph.2021.01.015>
5. Arnett AB, Rutter TM, Stein MA. Neural markers of methylphenidate response in children with attention deficit hyperactivity disorder. *Front Behav Neurosci.* 2022;16:887622.
<https://doi.org/10.3389/fnbeh.2022.887622>
6. Luck SJ. The design of ERP experiments. In: *An Introduction to the Event-Related Potential Technique.* 2nd ed. Cambridge (MA): MIT Press; 2014. p. 119–147.

Recommended Additional References

1. Kannen K, Aslan B, Boetzel C, Herrmann CS, Lux S, Rosen H, et al. P300 Modulation via Transcranial Alternating Current Stimulation in Adult Attention-Deficit/Hyperactivity Disorder: A Crossover Study. *Front Psychiatry.* 2022 Jul 18;13:928145.
<https://doi.org/10.3389/fpsy.2022.928145>
2. Sangal RB, Sangal JM. Attention-deficit/hyperactivity disorder: Use of cognitive evoked potential (P300) to predict treatment response. *Clin Neurophysiol.* 2006 Sep;117(9):1996–2006. <https://doi.org/10.1016/j.clinph.2006.06.004>
3. Keil A, Debener S, Gratton G, Junghöfer M, Kappenman ES, Luck SJ, et al. Committee report: Publication guidelines and recommendations for studies using electroencephalography and magnetoencephalography. *Psychophysiology.* 2014 Jan;51(1):1–21.
<https://doi.org/10.1111/psyp.12147>
4. Liu Y, Hanna GL, Hanna BS, Rough HE, Arnold PD, Gehring WJ. Behavioral and Electrophysiological Correlates of Performance Monitoring and Development in Children

- and Adolescents with Attention-Deficit/Hyperactivity Disorder. *Brain Sci.* 2020 Feb 2;10(2):79. <https://doi.org/10.3390/brainsci10020079>
5. Johnstone SJ, Barry RJ, Clarke AR. Ten years on: A follow-up review of ERP research in attention-deficit/hyperactivity disorder. *Clin Neurophysiol.* 2013 Apr;124(4):644–57. <https://doi.org/10.1016/j.clinph.2012.09.006>
 6. Wang A, Yang H, Yang Y, Yang J, Yang X, Wen Q, et al. Neural markers of methylphenidate response in children with attention deficit hyperactivity disorder and the impact on executive function. *Front Psychiatry.* 2025 Mar 13;16:1475889. <https://doi.org/10.3389/fpsyt.2025.1475889>
 7. Marquardt L, Eichele H, Lundervold AJ, Haavik J, Eichele T. Event-Related-Potential (ERP) Correlates of Performance Monitoring in Adults With Attention-Deficit Hyperactivity Disorder (ADHD). *Front Psychol.* 2018 Apr 11;9:485. <https://doi.org/10.3389/fpsyg.2018.00485>
 8. Monachino AD, Lopez KL, Pierce LJ, Gabard-Durnam LJ. The HAPPE plus Event-Related (HAPPE+ER) software: A standardized preprocessing pipeline for event-related potential analyses. *Dev Cogn Neurosci.* 2022 Oct;57:101140. <https://doi.org/10.1016/j.dcn.2022.101140>
 9. Lenartowicz A, Loo SK. Use of EEG to Diagnose ADHD. *Curr Psychiatry Rep.* 2014 Sep 20;16(11). <https://doi.org/10.1007/s11920-014-0498-0>
 10. Michelini G, Norman LJ, Shaw P, Loo SK. Treatment biomarkers for ADHD: Taking stock and moving forward. *Transl Psychiatry.* 2022 Oct 12;12(1). <https://doi.org/10.1038/s41398-022-02207-2>
 11. Stekić K, Šoškić A, Ković V, Algermissen J, Fischer NL, Ganis G, et al. ARTEM-IS for ERP: Agreed Reporting Template for EEG Methodology – International Standard for documenting studies on Event-Related Potentials [preprint]. *PsyArXiv.* 2023 Jan 5. <https://osf.io/mq5sy>
 12. Tan C, Zhou H, Yang M, Li C, Chen H, He L, et al. The discriminate value of event-related potentials in executive function of ADHD and comorbidity of ADHD and ASD. *Sci Rep.* 2025 Mar 21;15(1):94156. <https://doi.org/10.1038/s41598-025-94156-1>
 13. Keil A, Bernat EM, Cohen MX, Ding M, Fabiani M, Gratton G, et al. Recommendations and publication guidelines for studies using frequency domain and time-frequency domain analyses of neural time series. *Psychophysiology.* 2022 Apr 10;59:5. <https://doi.org/10.1111/psyp.14052>

This document is part of the Supplementary Material for the poster titled "Clinical utility of the P300 wave as a biomarker for methylphenidate response in adult patients with ADHD: First phase report", 10th World Congress on ADHD – Prague, May 2025.