

EyeDetect Research Summary

The Converus Science Team, led by Dr. John Kircher, has published 19 articles or reports about the technology underlying EyeDetect®. In the research, [EyeDetect](#) is referred to as an ocular-motor deception test (ODT). Currently, there are 10 peer-reviewed research articles on EyeDetect.

Note: Sources 1-10 are peer-reviewed.

1. Kircher, J. C., and Raskin, D. (2016) Laboratory and Field Research on the Ocular-motor Deception Test. *European Polygraph Journal*, Volume 10, Number 4 (38). [LINK](#)
2. Cook, A. E., Hacker, D. J., Webb, A. K., Osher, D., Kristjansson, S., Woltz, D. J., & Kircher, J. C. (2012). Lying Eyes: Ocular-motor Measures of Reading Reveal Deception. *Journal of Experimental Psychology: Applied*, 18(3), 301-313. [LINK](#)
3. Patnaik, P., Woltz, D., Hacker, D., Cooke, A., Francke-Ramm, M., Webb, A., and Kircher, J. (2016) Generalizability of an Ocular-Motor Test for Deception to a Mexican Population. *International Journal of Applied Psychology*, 6(1): 1-9. [LINK](#)
4. Hacker, D. J., Kuhlman, B., & Kircher, J. C., Cook, A.E., and Woltz, D.J. (2014). Detecting Deception Using Ocular Metrics During Reading. In D. C. Raskin, C. R. Honts, & J. C. Kircher (Eds.), *Credibility Assessment: Scientific Research and Applications*. Elsevier, pp 159-216. (AUTHOR/PUBLICATION REQUIRE PURCHASE) [LINK](#)
5. Kuhlman, B. B., Webb, A. K., Patnaik, P., Cook, A. E., Woltz, D. J., Hacker, D. J., & Kircher, J. C. (2011, September). Evoked Pupil Responses Habituate During an Oculomotor Test for Deception. Poster presented at the Society for Psychophysiological Research convention, Boston, MA. (abstract) [LINK](#)
6. Patnaik, P., Woltz, D.J., Cook, A.E., Webb, A.K., Raskin, D.C., and Kircher, J.C. (2015, March). Ocular-motor Detection of Deception in Laboratory Settings. Meeting of the American Psychology and Law Society, San Diego, CA. [LINK](#)
7. Webb, A. K., Hacker, D.J., Osher, D., Cook, A.E., Woltz, D. J., Kristjansson, S. K., and Kircher, J. C., (2009). Eye Movements and Pupil Size Reveal Deception in Computer Administered Questionnaires. In D. D. Schmorow, I. V. Estabrooke, & M. Grootjen (Eds.), *Foundations of Augmented Cognition. Neuroergonomics and Operational Neuroscience* (553-562). Berlin/Heidelberg: Springer-Verlag. [LINK](#)
8. Webb, A. K., Honts, C. R., Kircher, J. C., Bernhardt, P.C., and Cook, A. E. (2009). Effectiveness of Pupil Diameter in a Probable-Lie Comparison Question Test for Deception. *Legal and Criminal Psychology*, 14(2), 279-292. (AUTHOR/PUBLICATION REQUIRE PURCHASE) [LINK](#)
9. Kircher, J. C. (2018). Ocular-motor Deception Test. In P. Rosenfeld (Ed.), *Detecting Concealed Information and Deception* (pp. 187–212), Elsevier Academic Press. (AUTHOR/PUBLICATION REQUIRE PURCHASE) [LINK](#)
10. Handler, M., and Nacházlová, M. (2021). Hybrid Polygraph and Ocular-Motor Deception Tests for Screening and Specific-Incident Investigations. In C. Pracana and M. Wang (Eds.), *Psychology Applications & Developments VII* (pp. 80-92), inScience Press. [LINK](#)
11. Osher, D. (2006). Multimethod Assessment of Deception: Oculomotor Movement, Pupil Size, and Response Time Measures. (Doctoral dissertation), University of Utah, Department of Educational Psychology. [LINK](#)
12. Webb, A.K. (2008). Effects of Motivation, and Item Difficulty on Oculomotor and Behavioral Measures of Deception. (Doctoral dissertation), University of Utah, Department of Educational Psychology. (ISBN: 9780549980032) [LINK](#)
13. Patnaik, P. (2013). Ocular-motor Methods for Detecting Deception: Direct Versus Indirect Interrogation. (Master's Thesis), University of Utah, Department of Educational Psychology. [LINK](#)
14. Patnaik, P. (2015). Oculomotor Methods for Detecting Deception: Effects of Practice Feedback and Blocking. Doctoral dissertation, University of Utah, Department of Educational Psychology. [LINK](#)
15. Bovard, P., Kircher, J., Woltz, D., Hacker, D. & Cook, A. (2019). Effects of direct and indirect questions on the ocular-motor deception test. *Polygraph and Credibility Assessment: A Journal of Science and Field Practices*, 48(1), 40-59. [LINK](#)
16. Kircher, J. C. (2020). EyeDetect Audio Multi-Issue Comparison Test (AMCT) Development and Validation Summary. [LINK](#)
17. Potts, A. (2020). 1, 2, 3 Crimes You're Out: Ocular-Motor Methods for Detecting Deception In a Multiple-Issue Screening Protocol. (Doctoral dissertation), University of Utah, Department of Educational Psychology. [LINK](#)
18. Kircher, J. C. (2021). EyeDetect Hybrid Directed-lie Comparison Test (HDLC) Development and Validation Summary. [LINK](#)
19. Kircher, J. C. (2021). EyeDetect Hybrid Multi-Issue Comparison Test (HMCT) Development and Validation Summary. [LINK](#)