

Neuropsychology Research



Posters

Murdaugh, D., King, T., & **O'Toole, K.** (2017, Feb.) Efficacy of an individualized, manualized cognitive remediation program to improve adaptive functioning in pre-adolescents with neurological impairments. Poster presentation at the International Neuropsychological Society annual meeting, New Orleans, LA.

Morris, S., Murdaugh, D., **Ono, K.E., & Burns, T.** (2017, Feb.) Effects of developmental age on symptom reporting and neurocognitive performance in youth after sports-related concussion. Poster presentation at the International Neuropsychological Society annual meeting, New Orleans, LA.

Wilkinson-Smith, A., **Howarth, R., McManus, S.** Greenberg, B, Ayers, A, Plumb, P., & Hughes, S. (2015, November). Verbal Memory Deficits in Children with Anti-N-Methyl-D-Aspartate (NMDA) Receptor Encephalitis. Poster presented at the annual meeting of the National Academy of Neuropsychology, Austin, TX.

Christian, B., **Kiefel, J.,** DiQuattro, M. (2015). The Necessity of using Multiple Measures of Performance Validity in Neuropsychological Testing: A Case Study of Adolescent Concussion. Poster to be presented at the Annual National Academy of Neuropsychology, Austin, Texas.

DiQuattro, M., Whipple, B., **Kiefel, J.** (2015). The Evaluation of Processing Speed in Pediatric Concussion: Computerized versus Traditional Neuropsychological Measures. Poster to be presented at the Annual National Academy of Neuropsychology, Austin, Texas.

Upshaw, N., Jay, M., Rosenberg, J., & **Howarth, R.A.** (June 2015). Cognitive and Linguistic Scale (CALs): Utility to Track TBI Recovery in Children and Adolescents during Inpatient Rehabilitation. Poster presented at the 13th *Annual Conference of the American Academy of Clinical Neuropsychology*, San Francisco, California.

Jay, M., Upshaw, N., Rosenberg, J., & **Howarth, R.A.** (June 2015). Tracking the Early Recovery of Anti-NMDA Receptor Encephalitis in the Pediatric Population Using the Cognitive and Linguistic Scale (CALs). Poster presented at the 13th *Annual Conference of the American Academy of Clinical Neuropsychology*, San Francisco, California.

Wilkinson-Smith, A., **Howarth, R.A.,** Greenberg, B., Ayers, A., Plumb, P., & Hughes, S. (June 2015). Behavioral and adaptive functioning in young children with anti-N-methyl-D-aspartate (NMDA) receptor encephalitis. Poster presented at the 13th *Annual Conference of the American Academy of Clinical Neuropsychology*, San Francisco, California.

Schoffner, K. (2015). Behavioral Treatment for Agitated and Aggressive Behavior Secondary to Anti-NMDA Receptor Encephalitis in the Pediatric Day Rehabilitation Setting. Poster presentation at the Society of Pediatric Psychology Annual Conference, San Diego, California.

Gutiérrez-Colina, A., Eaton, C., **McManus, S., O'Toole, K.** & Blount, R. (2015). Evaluation of the Efficacy of a Cognitive Remediation Intervention Program. Poster presented at annual meeting of The Society of Pediatric Psychology, San Diego, California.

Gutiérrez-Colina, A., Eaton, C., **McManus, S., O'Toole, K.** & Blount, R. (2014). *Evaluation of the Feasibility and Preliminary Efficacy of a Cognitive Remediation Intervention Program*. Annual Meeting Society of Pediatric Psychology, Philadelphia.

Christopher, G.B. & **Howarth, R.A.** (February 2014). Neurocognitive Outcomes in Adolescents during Acute Recovery from Anti-NMDA Receptor Encephalitis. Poster presented at the 42nd Annual Conference of the International Neuropsychological Society, Seattle, Washington.

Hudepohl, M.B., **Ilardi, D.**, Christopher, G., & **Howarth, R.A.** (February 2013). Caring for Pediatric Patients during Inpatient Rehabilitation after Acquired Brain Injury: What Predicts Caregiver Confidence? Poster presented at the 41st Annual Conference of the International Neuropsychological Society, Waikoloa, Hawaii.

Publications

Blackwell, L.S., Robinson, A.F., Proctor, M.R., & Taylor, A.T. (in press). Same care, different populations: Return-to-learn practices following concussion in primary and secondary schools. *Child Neurology*.

Ilardi D, Ono KE, McCartney R, Book W, & Stringer AY (In Press). Neurocognitive functioning in adults with congenital heart disease. *Congenital Heart Disease*.

Howarth RA, Blackwell LS, & Ono KE. (In Press). Acute and long-term outcomes following pediatric traumatic brain injury. *Journal of Pediatric Neuroradiology*.

Ilardi, D.L., Ono, K.E., McCartney, R., Book, W., & Stringer, A.Y. (in press). Neurocognitive functioning in adults with congenital heart disease. *Congenital Heart Disease*.

Fournier-Goodnight, A. S., Ashford, J. M., Merchant, T. E., Huang, L., Zhang, H., Bradley, J. A., Klimo, P., & Conklin, H. M. (2016). Predictors of learning and memory performance in patients diagnosed with pediatric craniopharyngioma. Poster presented at the meeting of the *International Neuropsychological Society*, Boston, MA.

Tawfik, S.H., Landoll, R.R., **Blackwell, L.S.**, Hall, D. & Taylor, C.J. (2016). Supervision of clinical assessment: The Multilevel Assessment Supervision and Training. *The Clinical Supervisor*, 35(1), 63-79.

Howarth, R.A., Blackwell, L.S., & Ono, K.E. (2016). Acute and Long-Term Outcomes Following Pediatric Traumatic Brain Injury. *Journal of Pediatric Neuroradiology*, 05(01): 026-031.

Taylor, A.M., & **Blackwell, L.S.** (2016). Cumulative Effects of Concussions/Chronic Traumatic Encephalopathy. In W. Meehan & M. O'Brien (Eds.), *Head & Neck Injuries*. pp 71-84

Ono, K.E., Burns, T.G., Bearden, D.J., McManus, S.M, King, H., & Reisner, A. (2016). Sex-Based Differences as a Predictor of Recovery Trajectories of Recovery in Young Athletes After a Sports Related Concussion. *The American Journal of Sports Medicine*, 44(3), 748-752.

King, T.Z., Smith, K.M., **Burns, T.G.**, Sun, B., Shin, J., Jones, R., Drossner, D., Mahle, W.T. (2016). fMRI Investigation of Working Memory in Adolescents with Surgically Treated Congenital Heart Disease. *Applied Neuropsychology: Child*, p. 1-15

Ono, KE. (2016). Sex-based differences as a predictor of recovery trajectories in young athletes after a sports-related concussion: Response. *American Journal of Sports Medicine*, 44(6), NP30-NP31.

Ono KE, Burns TG, Bearden DJ, McManus SM, King H, & Reisner A. (2016). Sex-based differences as a predictor of recovery trajectories in young athletes following sports-related concussion. *American Journal of Sports Medicine*, 44(3), 748-752.

Burns, TG & Ono KE. (2016). Sex-based differences as a predictor of recovery trajectories using ImPACT. *ImPACT Research Report* www.impacttest.com/research

Ono, K.E., Burns, T.G., Bearden, D.J., McManus, S.M., King, H., Reisner, A. (2015). Sex Based Differences as a Predictor of Recovery Trajectories in Young Athletes After a Sports Related Concussion. *American Journal of Sports Medicine*, pp. 748-752.

Brosig, C., Butcher, J., Butler, S., **Ilardi, D.L.**, Sananes, R., Sanz, J.H., Sood, E., Struempf, K., & Ware, J. (2014) Monitoring developmental Risk and Promoting Success for Children with Congenital Heart Disease: Recommendations for Cardiac Neurodevelopmental Follow-up Programs. *Clinical Practice in Pediatric Psychology*, 2(2), 153-165.

Brosig, C., Butcher, J., Butler, S., **Ilardi, D.L.**, Sananes, R., Sanz, J.H., Sood, E., Struempf, K., & Ware, J. (2014) Cardiology Patient Page: Supporting Development in Children with Congenital Heart Disease. *Circulation*, 130, e175-e176.

Howarth, R.A., Reisner, A., Chern, J., Hayes, L., **Burns, T.G.,** & Berenstein, A. (2015). Neurocognitive improvements following endovascular repair for Vein of Galen arteriovenous malformation in childhood: A case report. *Journal of Neurosurgery: Pediatrics*, 15, 197-202.

Burns, T.G. & Loring, D.W (2015). Psychological and social impact of epilepsy: pediatric and adolescent review. *Journal of Pediatric Epilepsy*, 4(3), pp. 1-7.

Reisner, A., Popoli, D.M., **Burns, T.G.,** Marshall, D.L., Jain, S., Hall, L., Vova, J.A., Kroll, S., Wesselman, B.C., Palasis, S., Hayes, L., Clark, G., Speake, K.M., Holbrook, B.H., Wiskind, R.H., Licata, R.M., Ono, K.E., Hogan, E., Chern, J., DeGrauw, T. (2015). The Central Role of Community Practicing Pediatricians in Contemporary Concussion Care: A Case Study of CHOA's Concussion Program. *Clinical Pediatrics*, pp. 1-7

Bodin, D., Roper, B., **O'Toole, K.,** & Haines, M.E. (2015). Postdoctoral training in clinical neuropsychology: A review of the history, trends, and current issues. *Training and Education in Professional Psychology*.

McManus, S. & O'Toole, K. (2014). Book Review: Language Disorders in Children and Adolescents, by Joseph H. Beitchman & Elizabeth B. Brownlie. *Child Neuropsychology*. Published online: 23 May, 1-3.

Howarth, R.A., Adamson, A.M., Ashford, J.M., Merchant, T.E., Ogg, R.J., Schulenberg, S.E., Ogg, S., Li, J., Wu, S., Xiong, X, & Conklin, H.M. (2014). Investigating the relationship between COMT polymorphisms and working memory performance among childhood brain tumor survivors. *Pediatric Blood & Cancer*, 61, 40-45.

Jackson, S., Patay, Z., **Howarth, R.A.,** Panandiker, A.S., Onar-Thomas, A., Gajjar, A., & Broniscer, A. (2013). Clinico-radiologic characteristics and neurocognitive assessment of long-term survivors of diffuse intrinsic pontine glioma. *Journal of Neuro-Oncology*, 114, 339-344.

Howarth, R.A., Ashford, J.M., Merchant, T.E., Ogg, R.J., Santana, V., Wu, S., Xiong, X., & Conklin, H.M. (2013). The utility of parent report in the assessment of working memory among childhood brain tumor survivors. *Journal of the International Neuropsychological Society*, 19, 380-389.

Alriksson-Schmidt, A.I., Thibadeau, J.K., Swanson, M.E., **Marcus, D.**, Carris, K.L., Siffel, C., Ward, E., (2013). The Natural History of Spina Bifida in Children Pilot Project: A Research Protocol. *JMIR Research Protocols*(2013)

Sun, B., Berl, M.M., **Burns, T.G.**, Gaillard, W.D., Hayes, L., Adjouadi, M., & Jones, R.A (2013). Age Association of Language Task Induced Deactivation Induced in a Pediatric Population. *Neuroimage*, 65, 232-33.

Oral Presentations

Ilardi, D. (2016). Executive Functioning Predicts Delays in Adaptive Skills: Supporting Adult Transition in Adolescents and Teens with Congenital Heart Disease. Workshop presented at American Academy of Clinical Neuropsychology. Chicago, Illinois.

Harder, L., **Ilardi, D.**, and **O'Toole, K.** (2016). Transition of care for pediatric patients with medical disorders: Challenges and opportunities for Neuropsychologists

LaMotte, J. & **Ilardi, D.** (2016). Predicting Math Deficits in Clinically Referred Children with Congenital Heart Disease. Presented at the Society of Pediatric Psychology Annual Conference. Atlanta, Georgia.

Bodin, D., **McManus, S.**, **O'Toole, K.**, Rey-Casserly, C., & Slomine, B.(2014) Workshop in: Supervision in Pediatric Neuropsychology: Ethical, Practical, and Structural Issues, 12th Annual Conference of the American Academy of Clinical Neuropsychology, New York, New York.

Ongoing Funded Research

Loring, D.W. (2013). Cognitive AED Outcomes in Pediatric Localization Related Epilepsy (COPE). Funded by the Patient-Centered Outcomes Research Institute. (**Burns, T.G.**)

Research

Moreno-De-Luca, A. Helmers; S.L., Mao, H. **Burns, T.G.**, Melton, A. M. A., Schmidt, K.R.,Fernhoff, P.M.; Ledbetter, D.H. (In press). Adaptor protein complex-4 (AP-4)deficiency causes a novel autosomal recessive cerebral palsy syndrome with microcephaly and intellectual disability. *Journal of Medical Genetics*.