

THE CENTER FOR DISCOVERY

# RECENT PUBLICATIONS



## 2025

### **Approaches for Predicting the Occurrence of Challenging Behaviors in Individuals with Autism Spectrum Disorder: A Narrative Review**

**Author:** Ferina, J., Dando, E., Anderson, C., Foster, J., Lantz, J., Hamlin, T., & Hahn, J.

**Publication:** Journal of Personalized Medicine

**URL:** [Publication Here](#)

**Year:** 2025

### **Predicting seizure episodes and high-risk events in autism through adverse behavioral patterns.**

**Author:** Kiarashi, Y., Lantz, J., Reyna, M. A., Anderson, C., Rad, A. B., Foster, J., Villavicencio, T., Hamlin, T., & Clifford, G. D.

**Publication:** Physiological measurement

**URL:** [Publication Here](#)

**Year:** 2025

### **The effect of the natural environment and greenness on behavior, function, and well-being among individuals with autism spectrum disorder: A scoping review**

**Author:** Nancy M. Wells, Jordan Tralins, Dongying Li, Timothy J. Mateer, Erin R.B. Eldermire, Helena le Roux Ohm, Johanna Lantz, Matthew R. Kibbee

**Publication:** Journal of Environmental Psychology

**URL:** [Publication Here](#)

**Year:** 2025

### **From motion to emotion: exploring challenging behaviors in autism spectrum disorder through analysis of wearable physiology and movement**

**Author:** Rad, A. B., Villavicencio, T., Kiarashi, Y., Anderson, C., Foster, J., Kwon, H., Hamlin, T., Lantz, J., & Clifford, G. D.

**Publication:** IOP Publishing Ltd

**URL:** [Publication Here](#)

**Year:** 2025

## 2024

### **Off-body sleep analysis for predicting adverse behavior in individuals with autism spectrum disorder**

**Author:** Kiarashi, Y., Suresha, P. B., Rad, A. B., Reyna, M. A., Anderson, C., Foster, J., Lantz, J., Villavicencio, T., Hamlin, T., & Clifford, G. D.

**Publication:** IEEE journal of biomedical and health informatics.

**URL:** [Publication Here](#)

**The IndieTrainer system: a small-scale trial exploring a new approach to support powered mobility skill acquisition in children**

**Author:** Lisa K. Kenyon, John P. Farris, Lindsey Veety, Brianna Kleikamp, Kara Harrington, Jennifer Jenkinson, Amanda Montgomery, Sango Otieno, Ian M. Russell and Daniel K. Zondervan

**Publication:** Taylor & Francis Group

**URL:** [Publication Here](#)

**Year:** 2024

## **2023**

**The IndieTrainer system: a clinical trial protocol exploring use of a powered wheelchair training intervention for children with cerebral palsy**

**Author:** Lisa K. Kenyon, John Farris, Lindsey Veety, Daniel K. Zondervan

**Publication:** *Taylor & Francis Group*

**URL:** [Publication Here](#)

**Year:** 2023

**Predicting Problematic Behavior in Autism Spectrum Disorder Using Medical History and Environmental Data**

**Author:** Jennifer Ferina, Melanie Kruger, Uwe Kruger, Daniel Ryan, Conor Anderson, Jenny Foster, Theresa Hamlin, Juergen Hahn

**Publication:** *Journal of Personalized Medicine*

**URL:** [Publication Here](#)

**Year:** 2023

**Regaining Trust in the Music: Music Therapy with Emily**

**Author:** Conio Loretto, MS, LCAT, MT-BC

**Publication:** Chapter in *Portraits of Everyday Practice in Music Therapy*

**URL:** [Publication Here](#)

**Year:** 2023

**An evaluation on the effects of safe person handling program implementation at long term care facilities for persons with complex intellectual, developmental, and medical conditions**

**Authors:** Daniel Ryan, Conor Anderson, Ann Marie Connolly, Lindsey Veety, Tania Villavicencio, Lindsey Parks

**Publication:** *American Journal of Industrial Medicine*

**URL:** [Publication Here](#)

**Year:** 2023

## **2022**

### **Observational Study of Medical Marijuana as a Treatment for Treatment-Resistant Epilepsies**

**Authors:** Orrin Devinsky, Angelica Marmanillo, Theresa Hamlin, Philip Wilken, Daniel Ryan, Conor Anderson, Daniel Friedman, George Todd

**Publication:** *Annals of Clinical and Translational Neurology*

**URL:** [Publication Here](#)

**Year:** 2022

## **2020**

### **Associated Factors of Self-injury Among Adolescents with Autism Spectrum Disorder in a Community and Residential Treatment Setting**

**Authors:** Jacqueline Flowers, Johanna Lantz, Theresa Hamlin & Rune J. Simeonsson

**Publication:** *Journal of Autism and Developmental Disorders*

**URL:** [Publication Here](#)

**Year:** 2020

**Seating and positioning factors in wheeled mobility.** In K. Fleckey & L Gitlow (Ed), *Assistive Technologies and Environmental Interventions in Healthcare* (1<sup>st</sup> ed, pp.239-267). Hoboken, NJ: Wiley. Veety, L & Baxter, A (2020).

### **Positioning and mobility technology and environmental interventions other than wheeled mobility.**

**Authors:** Veety, L & Baxter, A

**Publication:** In K. Fleckey & L Gitlow (Ed), *Assistive Technologies and Environmental Interventions in Healthcare* (1<sup>st</sup> ed, pp.267-286). Hoboken, NJ: Wiley

**Year:** 2020

## **2019**

### **Examining the Association Between Electrodermal Activity and Problem Behavior in Severe Autism Spectrum Disorder: A Feasibility Study**

**Authors:** Bradley J. Ferguson, Theresa Hamlin, Johanna F. Lantz, Tania Villavicencio, John Coles, and David Q. Beversdorf

**Publication:** *Frontiers in Psychiatry*

**URL:** [Publication Here](#)

**Year:** 2019

### **Psychophysiological Biomarkers of Stress as Predictors of Behavioral Disturbance in Autism Spectrum Disorder**

**Authors:** Bradley J. Ferguson, Theresa Hamlin, Johanna Lantz, John Coles, Tania Villavicencio, David Beversdorf

**Poster Presentation:** International Society for Autism Research (INSAR)

**URL:** [Paper Here](#)

**Year:** 2019

## **2017**

**Measuring Complexity for Autism Interventions: TCFD's Inventory of Neuroeducational Complexity.**

**Authors:** Theresa Hamlin, Ed.D, Jennifer Foster, Johanna Lantz, Matthew Northrup, Tania Villavicencio, Rune Simeonsson, Donald Lollar.

**Publication:** *J Child Dev Disord*.

**URL:** [Full Article Here](#)

**Year:** 2017

**Recognize Need to Address Stress in Young Children with Autism.**

**Authors:** Contributions by Theresa Hamlin, Ed.D.

**Publication:** *SpecialEdConnection*®

**URL:** [Full Article Here](#)

**Year:** 2017

## **2016**

**Wearable Stress Sensors for Children with Autism Spectrum Disorder With In Situ Alerts to Caregivers via a Mobile Phone**

**Authors:** C Matthew Northrup, Johanna Lantz, Theresa Hamlin

**Publication:** JMIR Publications

**URL:** [Wearable Stress Sensors for Children With Autism Spectrum Disorder With In Situ Alerts to Caregivers via a Mobile Phone](#)

**Publication Year:** 2016

**Improving Social Functioning and Challenging Behaviors in Adolescents with ASD and Significant ID: A Randomized Pilot Feasibility Trial of Reciprocal Imitation Training in a Residential Setting.**

**Authors:** Brooke Ingersoll, Natalie Berger, Danielle Carlsen & Theresa Hamlin.

**Publication:** *Developmental Neurorehabilitation*, 2016.261.261.

**URL:** [Full Article Here](#)

**Year:** 2016

**Upper Extremity Neuro-Rehabilitation Through the Use of Power Mobility.**

**Authors:** John Damiao, MS, OTR/L, ATP/SMS, Danielle Kean, COTA/L.

**Publication:** *Assistive Technology Journal – Volume 28.1. 2016, Spring.*

## **2015**

**Finding a Piece of the Puzzle: Case Studies on Social Skills Development through Improvisation in an Intensive Treatment Model.**

**Author:** Beth Deyermond, MT-BC.

**Publication:** Thesis submitted in partial fulfillment of the Master of Arts Degree, Saint Mary-of-the-Woods College, Saint Mary-of-the-Woods, IN, September 2015.

**Magic Club: Another Therapeutic Trick up an OT's Sleeve.**  
**Author:** Rachel Thompson, MS, OTR/L.  
**Publication:** OT Practice Magazine 20.11: 17-19. 2015, June.  
**URL:** [Full Article Here](#)  
**Year:** 2015

**Restorative Sleep: A Life Essential.**  
**Authors:** Annelise Potgieter, PT, DPT, C/NDT; Lindsey Veety, PT, DPT, C/NDT, ATP; Amy Baxter, PT, DPT; Mary Delia Mahon, PT, MSPT; Melissa Grassi, OTR/L.  
**Publication:** *NDTA Network. Vol. 22, Issue 3, Pages 14-18. 2015, May/June.*

## ***2013***

**Social Intervention for Adolescents With Autism and Significant Intellectual Disability: Initial Efficacy of Reciprocal Imitation Training.**  
**Authors:** Ingersoll B, Walton K, Carlsen D, Hamlin T. American Journal on Intellectual and Developmental Disabilities, 2013, Vol. 118, No.4, 247-261.  
**URL:** [Download Full Article \(PDF\)](#)  
**Year:** 2013

**Creating a Stable Base for Success.**  
**Author:** Veety, L., Baxter, A.  
**Publication:** *Closing the Gap, pages 17-20. 2013, August/September*  
**Year:** 2013