

# 6<sup>th</sup> European Autism Congress

## May 27-28, 2024 | Paris, France

Volume : 27

### Parental perspectives on the MIG®, an holistic/integrative intervention for autism: exploratory, pre/post-test study with the COPM

**Deisiane O Souto**, PhD, TREINITEC, Brazil, **Amanda A A C Nascimento**, Ms, TREINITEC, Brazil, **Thalita K F Cruz**, PhD, TREINITEC, Brazil, **Gabriela S Oliveira**, Mss, TREINITEC, Brazil, **Arthur F B Lima**, Mr, TREINITEC, Brazil, **Vitor G Haase**, PhD, TREINITEC, Brazil, **Renato G Loffi**, Mr, TREINITEC, Brazil

**Statement of the Problem:** The health of children with Autism Spectrum Disorder (ASD) can be affected in all domains of the International Classification of Functioning, Disability and Health – ICF. Despite this, there is no intervention model that addresses all ICF domains in this population. We propose the Global Integration Method (MIG, “Método de Integração Global”), a holistic/integrative, interdisciplinary, family-oriented intervention and naturalistic program. MIG incorporates both bottom-up (flexible exoskeletons, social-motor synchronization) and top-down (schematic social information processing, narratives, imagery) strategies to promote the building and use of accurate and flexible, context-sensitive internal predictive models. The objective of this study is to determine the effectiveness of the MIG Method in the performance and satisfaction of goals in the domains of self-care, productivity and leisure in children and adolescents with ASD. **Methodology & Theoretical Orientation:** This is a quasi-experimental study, involving 78 participants aged between 2.5 and 18.2 years ( $6.99 \pm 3.78$ ). Participants received, on average, 17.2 ( $\pm 3.6$ ) hours of rehabilitation per week with the MIG Method over a period of 3 months. The Canadian Occupational Performance Measure (COPM) was used to evaluate pre- and post-intervention effects (performance and satisfaction). For statistical analysis, the t test for paired samples was used. **Findings:** All 78 participants completed the study. Around 79.5% were male and support level 2 was the most frequent (41%). The results showed a significant improvement after the intervention, both for performance ( $t = -11.41$ ;  $p < 0.001$ ;  $d = 1.37$ ) and for satisfaction ( $t = -10.52$ ;  $p < 0.001$ ;  $d = 1.31$ ). **Conclusion & Significance:** These results demonstrate that the intensive MIG Method was effective in improving performance and satisfaction of functional goals established by families of children and adolescents with ASD. Future studies are still needed.

#### Biography

Deisiane O Souto has a Master's and Doctorate in Neuroscience from the Federal University of Minas Gerais - UFMG. She completed 3 years of Postdoctoral Internship at this same Institution, where she developed expertise in studies addressing the International Classification of Functioning, Disability and Health-ICF, with an emphasis on neurodevelopmental disorders. She is currently a Researcher and technical-scientific Consultant for the TREINI®, MIG® and MINP® Intensive Methods at TREINITEC, a private sector company that develops products and services for the rehabilitation of children and adolescents with disabilities.

deisiane.souto@gmail.com

Abstract received : Oct 31, 2023 | Abstract accepted : Nov 1, 2023 | Abstract published : 10-06-2024