

EPV0267

Parents' perception of auditory hypersensitivity in children with Autism Spectrum Disorder

C. J. S. Ribeiro¹, L. D. Bezerra¹ and C. A. D. L. H. Amato^{1*}

¹Universidade Presbiteriana Mackenzie, São Paulo, Brazil

*Corresponding author.

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Introduction: Autism is defined as a broad and complex neurodevelopmental disorder with alterations in behavioral and social communication aspects. Sensory symptoms also occur prevalently in autism spectrum disorder (ASD) and are present early in the etiology, however, little is known about the early developmental patterns of these symptoms (McCormick *et al.* Autism 2016; 5 572-579). Among these various sensory-perceptual alterations, auditory hypersensitivity is a prevalent sensory alteration in the ASD population (Dunlop *et al.* Front Hum Neurosci 2016; 10 1-12), defined as excessive or abnormal sensitivity and distress to auditory stimuli that are evident in the individual's behavioral reactions (Stefanelli *et al.* CoDAS 2020; 32 1-9). Furthermore, auditory hypersensitivity can trigger atypical reactions that can impact social and academic domains (Danesh *et al.* Audiol. Res 2021; 11 547-556).

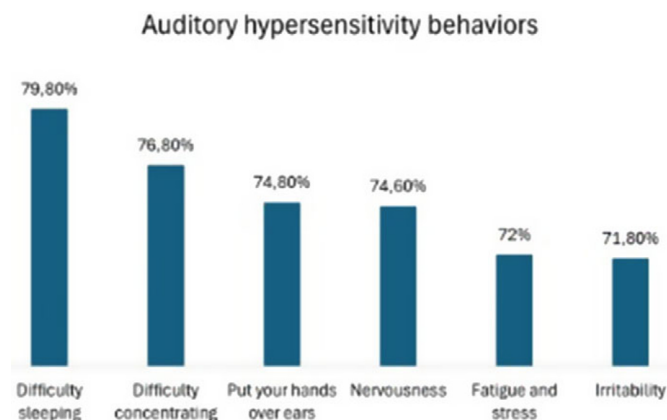
Objectives: This research aimed to identify the occurrence and describe the auditory hypersensitivity behaviors presented by children with Autism Spectrum Disorder.

Methods: This is a cross-sectional and descriptive study, composed of parents/guardians of 161 children diagnosed with ASD. The sample consisted of parents of children of both sexes, aged 4 to 12 years. Caregivers answered a sociodemographic form and reported on the presence or absence of auditory hypersensitivity and the behaviors presented by the child. The study was approved by the Ethics and Research Committee under opinion number: 5,862,943.

Results: 161 parents of children with ASD participated, who declared that 108 (67.1%) of the children had auditory hypersensitivity and 53 (32.9%) did not, with 83 (69.2%) of the children being male and 37 (30.8%) female. The most frequently reported behaviors were: difficulty sleeping (79.8%), difficulty concentrating (76.8%), put your hands over ears (74.8%), nervousness (74.6%), fatigue and stress (72%), and irritability (71.8%) in the presence of sound (Table 1).

Tabela 1. Comportamentos de hipersensibilidade auditiva na percepção de pais de crianças com TEA

Image 1:



Conclusions: The results suggest that there is a high prevalence of auditory hypersensitivity in children with autism spectrum disorder and that this symptom can have negative impacts on the individual's quality of life.

Disclosure of Interest: None Declared

EPV0267

Functional language assessment in children with autism spectrum disorder in a Portuguese and English language context

L. D. Bezerra¹, C. J. S. Ribeiro¹ and C. A. D. L. H. Amato^{1*}

¹Universidade Presbiteriana Mackenzie, São Paulo, Brazil

*Corresponding author.

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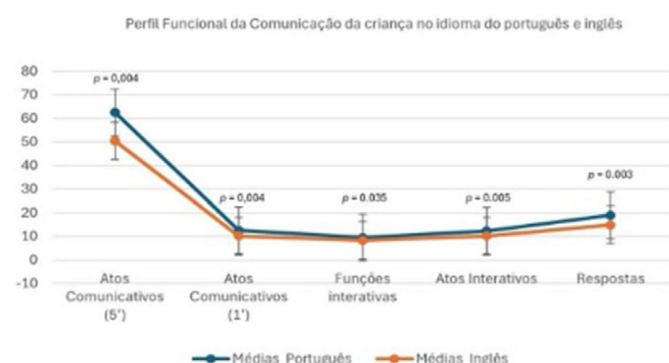
Introduction: Autism spectrum disorder (ASD) presents specific characteristics in child development. Behavioral and, mainly, communicative aspects are the most frequent for diagnostic closure (APA Artmed 2014; Asperger Archiv F. Psychiatrie 1944; 117 76-136). The absence, delay or difficulties in establishing expressive language are important social markers in early childhood, being one of the main reasons that lead families to seek therapeutic guidance (Amato USP 2006; Andrade UFPB 2017; Andrade Pró-Fono 2023). One of the aspects related to the communication of children with ASD is the interest in foreign languages, which manifests itself from early childhood (Avelar Universidade Presbiteriana Mackenzie 2018). The use of a foreign language for interpersonal communication presented spontaneously, by children with ASD, is something that needs to be evaluated within the functional aspects of social communication, since the major communicative difficulties faced are related to pragmatic aspects (Andrade Pró-Fono 2023; Balestro *et al.* Rev Soc Bras Fonoaudiol 2012; 17 279-86). The form and means of communication, length of permanence and communicative quality are fundamental elements to be analyzed when comparing expected child development to chronological age. In a research process involving humans, it makes perfect sense to anticipate and understand linguistic, cultural and educational differences, in order to avoid contextual and communicative variables that conflict with the proposed aims.

Objectives: The objective of this study is to evaluate the functional communication of children with ASD in Portuguese and English language contexts.

Methods: 16 children were selected, aged 42 to 72 months, without relatives and/or living with multilingual people. Samples were collected by recording spontaneous communication between patient and therapist in a natural intervention environment. 5-minute clips of greater interaction were made and, from these, the analyzes were carried out. This research has an opinion approved by the Ethics Committee, under number 6,890,786.

Results: Parents' perception of their children's communication difficulties were unanimously reported. Greater communicative ability was demonstrated in the Portuguese language, however, communicative ability and functionality was verified in the English language, without significant statistical differences when comparing the two languages. In the production of grammatical classes, there was greater production in the Portuguese language, with greater lexical production.

Image 1:



Conclusions: The children under observation and evaluation in this study showed satisfactory correlation and performance in the proposed tests. There was communicative performance, with results without significant statistical differences in the Functional Communication Profile in both languages. More studies will be needed to support these results.

Disclosure of Interest: None Declared

EPV0271

Understanding Psychological Bullying in Tunisian Schools: Frequency and Determinants

R. Ayoub^{1,2*}, N. Maatallah¹, H. Ben Abid^{1,2}, A. Beji¹ and A. Guedria^{1,2}

¹Child and Adolescent Psychiatry Department, Fattouma Bourguiba university Hospital and ²University of Monastir, Monastir, Tunisia

*Corresponding author.

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Introduction: Psychological bullying in schools is a pervasive issue that affects the emotional and psychological well-being of countless children. This phenomenon often manifests as emotional abuse, leading to significant long-term consequences for victims.

Objectives: Determine the prevalence of psychological bullying in schools in the Sousse region and to describe its associated factors

Methods: This is a descriptive and analytical cross sectionnal study that took place in two middle schools and three public high schools in the Sousse region(Tunisia) among adolescents aged between 12 and 18. A pre-established data collection form enabled us to gather socio-demographic characteristics, personal history and bullying behaviours, drawing on questionnaires available in the scientific literature.

Results: Our study included 420 students with an average age of 15.63±1.87 years. The sex ratio was 0.98. More than half the students (58.1%) reported being victims of bullying. The rate of harassment was higher among girls (53.7%), although this difference was not statistically significant (P=0.063). The perpetrator was a friend in 89.8% of cases, and a teacher in 35.2%. The body or physical appearance was the object of harassment in more than half of the cases. We noted that 74.1% of students with a chronic illness reported having been victims of bullying, compared to only 55.5% of students with no medical history. This difference was statistically

significant (p = 0.001; OR= 2.94). This phenomenon was also noted in 81.4% of students treated for psychiatric disorders, a rate significantly higher than that of students with no psychiatric history (p<10-3; OR= 3.47). Our results showed that harassment was reported by 78.13% of adolescents living with their fathers, compared to a significantly lower proportion among those living with their mothers (51.16%) and those living with both parents (56.7%) (p = 0.008).

Conclusions: Our study reveals a concerning prevalence of psychological bullying among adolescents, with over half of the participants reporting victimization. These results underscore the urgent need for targeted interventions and support systems to address bullying in schools, particularly for vulnerable populations.

Disclosure of Interest: None Declared

EPV0272

Cavum vergae in a patient with autism spectrum disorder

C. Azizagaoglu^{1*}, E. Dogan Elmas¹, F. O. Ciftci¹, O. Gulesen², F. Mavi¹ and S. Bodur¹

¹Child and Adolescent Psychiatry, Gülhane Training and Research Hospital, Ankara and ²Child and Adolescent Psychiatry, Kirikkale Yüksek İhtisas Hospital, Kirikkale, Türkiye

*Corresponding author.

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Introduction: A neurodevelopmental disorder known as autism spectrum disorder (ASD) affects approximately 1 in 54 children. It has a complex etiology, but little is known about its neurological and genetic basis. (Loomba *et al.*, 2021 Psychiatry Research:Neuroimaging, 313, 111301.) The septum pellucidum is a part of the limbic system, which consists of two layers of gray and white matter and forms the medial walls of the lateral ventricles. A cavum septum pellucidum (CSP) is a septum pellucidum that has a division between its two layers. All fetuses have CSP, although around 85% fuse within three to six months after birth. The posterior expansion of the CSP is called the cavum vergae (CV). Up to 30% of neonates have this structure, although less than 1% of people have it in adulthood. (Landin-Romero *et al.*, 2015 Journal of Affective Disorders,186,53-57.)

Objectives: The aim of this study is to understand the relationship between ASD and CV.

Methods: The patient, seven year old, applied to clinic accompanied by his parents due to speech delay in January 2024. He was product of full-term delivery, born by caesarian section secondary to servical stenosis. His mother had servical bleeding in the 6th week of pregnancy which she had taken progesterone for several days.

Results: During our examination, he did not respond to his name every time, maintained eye contact for a short time, did not initiate communication most of the time, did not continue even if he initiated it, showed more interest in objects than people, had echolalia and dysprosody. Based on our evaluation, we diagnosed as ASD and referred for special education. Although most of his tests were normal, CV was reported in brain MRIs (Image1). Retaining the CSP or CV after birth may indicate abnormalities in the development of the brain. Co-occurrence of enlarged CSP and CV persistent into adulthood is less common, but it has also been associated with neurodevelopmental disorders, decreased mental status, psychosis and bipolar disorder. (Landin-Romero *et al.*, 2015 Journal of Affective Disorders,186,53-57.) This case, based on the idea that CV is seen more frequently in