

**Disclosure:** Study is supported by Russian Science Foundation, project 22-28-01524.

**Keywords:** relationship to pain; female adolescents; deviant behavior; psychological factors

## EPP0441

### Are allergic diseases and internalizing and externalizing behaviours in children related? A cross-sectional study

E. Gonzalez-Fraile<sup>1\*</sup>, M.P. Berzosa-Grande<sup>2</sup>, R. Sánchez-López<sup>3</sup>, M. Soria-Oliver<sup>4</sup> and S. Rueda-Esteban<sup>5</sup>

<sup>1</sup>Universidad Internacional de La Rioja, Faculty Of Health Sciences, Madrid, Spain; <sup>2</sup>International University of La Rioja, Department Of Health Sciences, Madrid, Spain; <sup>3</sup>Intelecto Psychological Centre, Therapy, Jerez de la Frontera, Spain; <sup>4</sup>Universidad Pública de Navarra, Health Sciences, Pamplona, Spain and <sup>5</sup>San Carlos Clinic Hospital, Respiratory, Madrid, Spain

\*Corresponding author.

doi: 10.1192/j.eurpsy.2022.696

**Introduction:** The prevalence of allergies in children has grown in last few decades. Allergies are very often associated with physical, mental, and emotional problems that could be detected through child's behaviour and feelings.

**Objectives:** to describe and compare children's behaviour (internalizing and externalizing) across a sample of children aged 6–11 years with and without allergic diseases.

**Methods:** This was a cross-sectional observational case-control study. A survey to 366 families (194 allergic cases and 172 controls), including a child behaviour checklist (CBCL) and a socio-demographic questionnaire with questions related to family, school education, health conditions and allergy symptoms, was administered.

**Results:** Children with a diagnosis of allergy showed higher scores in the overall CBCL score (standardised mean differences [SMD]=0.47; confidence intervals [CI]: 0.26–0.68) and in the internalizing and externalizing factors (SMD=0.52 and SMD=0.36, respectively) than non-allergic children. Odds ratio (OR) analyses showed a higher risk (OR=2.76; 95% CI [1.61 to 4.72]) of developing a behavioural difficulty in children diagnosed with allergies. Age and level of asthma appear as modulatory variables.

**Conclusions:** Children aged 6–11 years diagnosed with allergies showed larger behavioural problems than non-allergic children. This relationship is stronger in internalizing behaviours. These findings suggest the importance of attending to them and treating them in the early stages of diagnosis to avoid future psychological disorders.

**Disclosure:** No significant relationships.

**Keywords:** Child; behaviour; parent; allergy

## EPP0442

### Depression in Adolescents with Asperger's Syndrome: Long-Term Outcome

I. Nicolau<sup>1\*</sup>, C. Voinea<sup>1</sup> and L. Mateescu<sup>1,2</sup>

<sup>1</sup>“Prof.Dr. Al. Obregia” Psychiatry Clinical Hospital, Child And Adolescent Psychiatry Department, Bucharest, Romania and <sup>2</sup>Carol

Davila University of Medicine and Pharmacy, Child And Adolescent Psychiatry Department, Bucharest, Romania

\*Corresponding author.

doi: 10.1192/j.eurpsy.2022.697

**Introduction:** Asperger Syndrome (AS) exhibits a particular set of difficulties, the foremost of them being the impairment in social interaction. Furthermore, adolescence by itself is a period burdened with many social challenges and distress. The attempt to adjust to them while having AS is much harder, thus it may constitute the premise for the onset of internalizing symptomatology, in particular depression.

**Objectives:** This study aimed to observe what factors either improved or hindered the long-term outcome. It was analyzed how the different types of interventions influenced the outcome of these individuals in terms of academic performance, social functioning, psychiatric relapses and quality of life.

**Methods:** Our lot was represented by 16 patients diagnosed with Asperger Syndrome and Major Depressive Disorder (MDD), followed up on a period between 1 to 10 years. The lot was divided into two groups, each with a different therapeutic plan. The main instruments used were clinical observation and parents' assessments.

**Results:** In the first group, the adolescents, treated with a complex intervention which included also a psychotherapeutic component, were found to have a positive outcome, 71,42% of them having no other psychiatric comorbidity than Major Depressive Disorder. The adolescents in the second group, who were treated only with pharmacological treatment, were found to have a negative outcome.

**Conclusions:** The factors that were found to have the most important impact on the long-term outcome were: the integration in a psychotherapy programme, having family support, compliance with the pharmacological treatment and having MDD as the only psychiatric comorbidity.

**Disclosure:** No significant relationships.

**Keywords:** adolescence; Asperger; Depression

## EPP0443

### Neuroticism, Empathy, and Internet Addiction in Different Roles in Cyberbullying

G. Soldatova and S. Chigarkova\*

Lomonosov Moscow State University, Faculty Of Psychology, Moscow, Russian Federation

\*Corresponding author.

doi: 10.1192/j.eurpsy.2022.698

**Introduction:** Research on cyberbullying has focused on the psychological characteristics of victims and aggressors, but the important roles of bystanders and defenders have not been sufficiently explored (Escortell et al., 2020; Polanco-Levican, Salvo-Garrido, 2021; Schultze-Krumbholz et al., 2018).

**Objectives:** The aim is to compare neuroticism, empathy, and Internet addiction in adolescents in different roles in cyberbullying.

**Methods:** 1505 adolescents aged 12-17 years old from 8 Federal regions in Russia appraised their experience of cyberbullying (as aggressors, victims, passive bystanders and defenders) using vignettes and filled Aggression Questionnaire (Buss, Perry, 1992), Ten-Item Personality Inventory (Gosling et al., 2003; Egorova, Parshikova, 2016); Interpersonal Reactivity Index (Davis, 1983;