Influence of temperaments in Attention Deficit Hyperactivity Disorder symptoms among preschool children

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ABSTRACT

The objective of this study was to evaluate the relationship between attention deficit hyperactive symptoms and temperament and character profiles among preschool-age children. Total 694 preschool age children (mean age=5.7±0.45) were recruited for the study. The preschool Temperament and Character Inventory (psTCI) and DuPaul ADHD rating scale (K-ARS) were applied to evaluate the children. Statistical analysis was done to explore the association between psTCI profiles and ADHD symptom domains. The total ARS score was positively correlated with novelty seeking and harm avoidance. Inattention symptom domain was positively correlated both with novelty seeking and harm avoidance, whereas hyperactive symptom domain was only correlated with novelty seeking. Novelty seeking might be a universal genetic background for ADHD, and the level of harm avoidance could potentially be used to classify subtypes of ADHD.