

## Autism: Impact on Cognitive, Social-Communication and Behavioural Development

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**Abstract :** In current days, autism is a well-known neurodevelopmental disorder that may restrict child development globally. Ignorance or delayed identification or incorrect diagnosis of autism is a major challenge in controlling such an incurable disorder. This may lead to various behavioural complications followed by mental illness in adulthood. Autism is an incurable disorder that is progressive and negatively affects our development globally. This may vary in degree in different skills. However, a deviation from the normal range creates a complex outcome in social and communication areas and restricts or deviates cognitive ability. The primary goal of the present research is to identify and understand the deviations in cognitive, social communication, and behaviour in children during their growing age, with a focus on autism. In this study, five children with mild autism were taken. All the children had achieved normal developmental milestones until the age of one year. The maximum age of observation of children's development was four years to see the difference in their developmental rates in the areas of cognitive, social communication, and behaviour. The study is based on the parental report about their children from 1 year to 4 years. Videos and pictures of children during their development were also seen as a reference to verify information received by the parents of the children. This research is qualitative, with samples for which were selected using a purposive sampling technique. The data was collected from the OPD, NIEPID RC, NOIDA, India. The data was collected in the form of parental reports based on their observations about their kids. Videos were also seen to verify the information reported by the parents (just shown to verify the facts, not shared). In results, we observed a significant difference in the rate of development in all five children taken for this research. The children having mild autism, at present, showed variations in all three domains (cognitive, social communication, and behaviour). These variations were seen in terms of restricted development in global areas. The result revealed that typical features of ASD had created more cognitive restrictions as compared to the children having ASD features with hyperactivity. Behavioral problems were observed with different levels of severity in the children having ASD with hyperactivity, whereas children with typical ASD are found with some typical problem behaviours like head banging, body rocking, self-biting, etc., with different levels of severity. The social-communication area was observed as equally affected in all children, as no major difference was found in the information received from each parent.

**Keywords :** autism/ASD, behaviour, cognitive skill, hyperactivity, social-communication skill

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