

# ADAPTIVE LEVEL PROFILE DIFFERENCES BETWEEN CHILDREN WITH AUTISM SPECTRUM DISORDER (ASD) AND SOCIAL COMMUNICATION DISORDER (SCD) IN MOTOR AND DAILY-LIVING-SKILLS (DLS) DOMAIN

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## OBJECTIVE

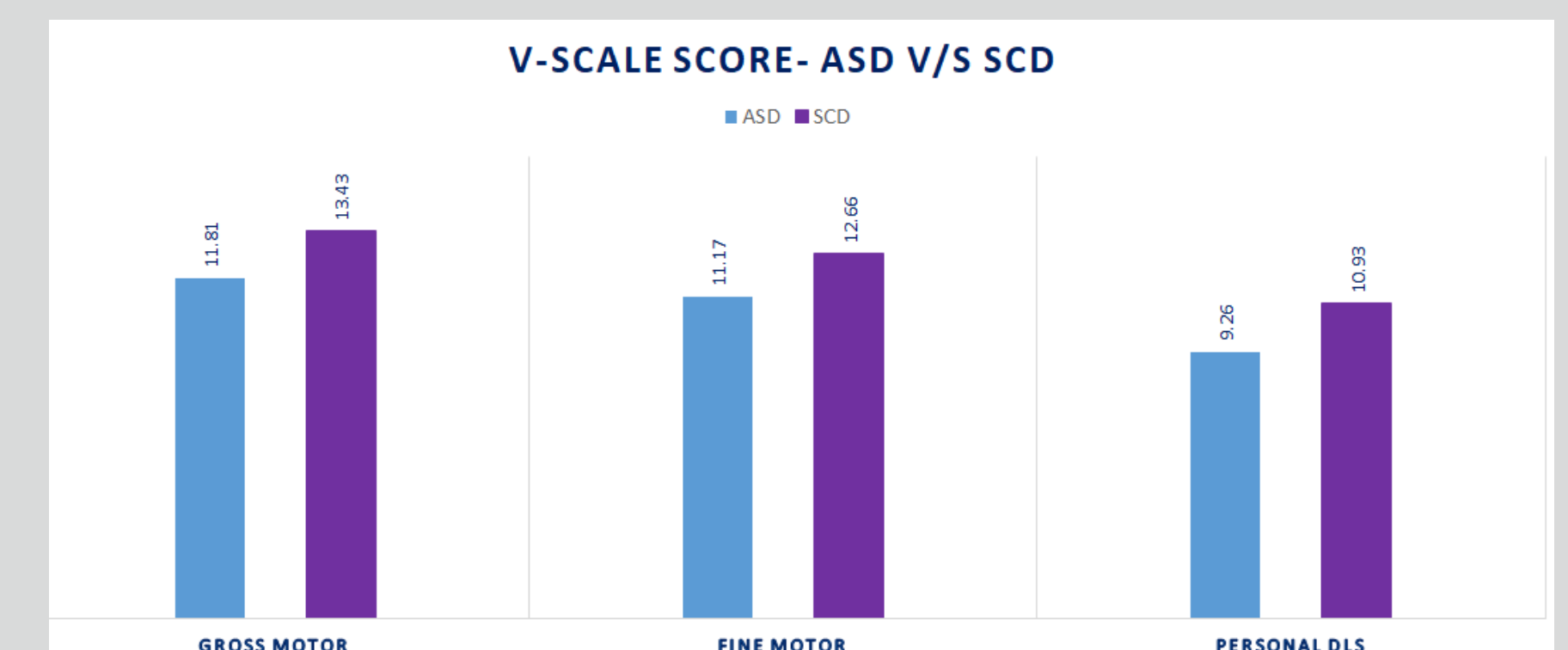
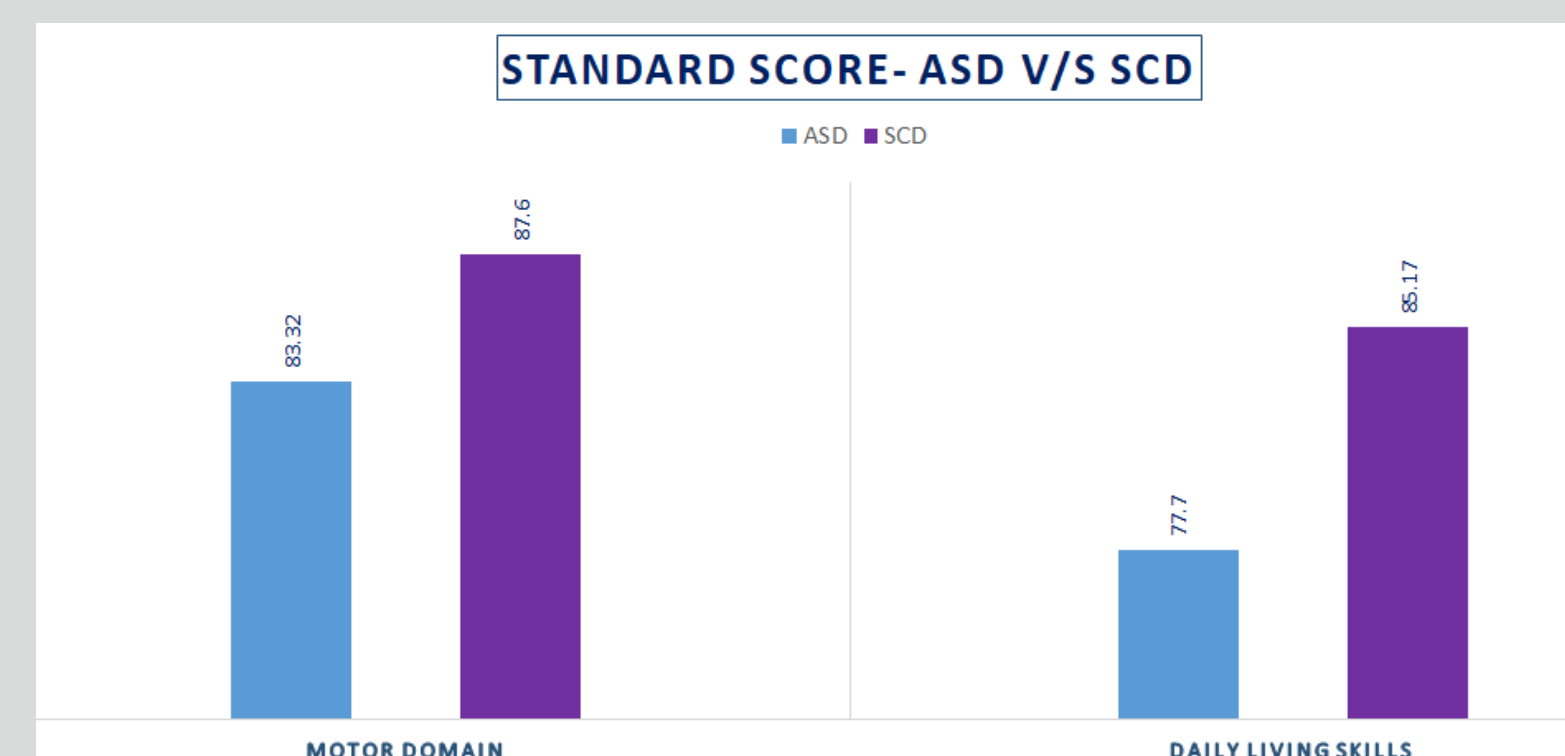
SCD is characterized by difficulty in use of communication for social interaction. ASD comprises restrictive/repetitive behaviours with social- communication difficulties. Adaptive levels are the skills needed to function in the society. The present study attempts to examine differences in Motor (overall, gross, fine) and Daily-living-skills (overall, personal-DLS) adaptive level between ASD and SCD children.

## METHOD

This cross- sectional study was done in 250 children, 192-ASD and 58-SCD on DSM-V criteria, between 2.6-7 years of age from February 2019-April 2021. Vineland-III scale was used to calculate the standard- score for domains and v-scale-score for subdomains. A qualitative adaptive level was also assigned to the score bands.

## RESULTS

Domain Standard Score	Subdomain V-Scale Scores	Adaptive Level
20 to 70	1 to 9	Low
71 to 85	10 to 12	Moderately Low
86 to 114	13 to 17	Adequate
115 to 129	18 to 20	Moderately High
130 to 140	21 to 24	High



The mean standard-score for Motor-domain was 83.32 (Moderately-Low) for ASD and 87.60 (Adequate) for SCD children. For sub-domains, mean v-scale-score in ASD group was 11.81 for Gross and 11.17 for Fine-motor (both Moderately-Low), while for SCD group mean v- scale-score was 13.43 for Gross-motor (Adequate) and 12.66 (Moderately-Low) for Fine-motor skills. For Daily-living-skills, mean standard-score was 77.70 (Moderately-Low) in ASD and 85.17 (Adequate) in SCD children. In Personal-DLS, mean v-scale-score was 9.26 (Low) for ASD and 10.93 (Moderately-Low) for SCD group.

## CONCLUSION

The study indicates differences in adaptive level in Motor & Daily-living-skills domain between ASD and SCD groups with SCD children having better adaptive level. Social-Communication skills being the core deficit in ASD, most intervention strategies focus on them. Studies are needed to determine whether improvement in Motor and DLS skills will lead to better social- communication outcomes in ASD children.