

XII. Bipolar Disorder in Youth with Autism

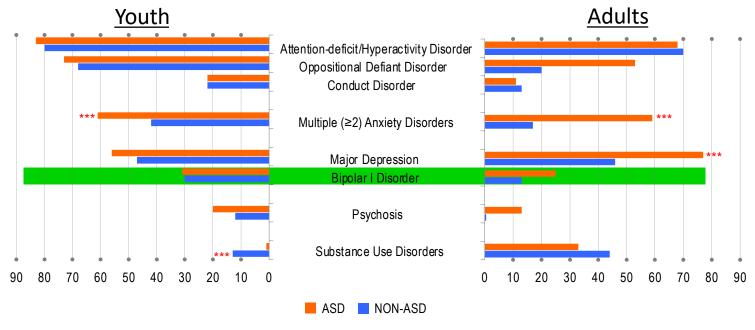
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Psychopathology Associated with ASD in Psychiatrically Referred Populations

Lifetime Psychiatric Comorbidity

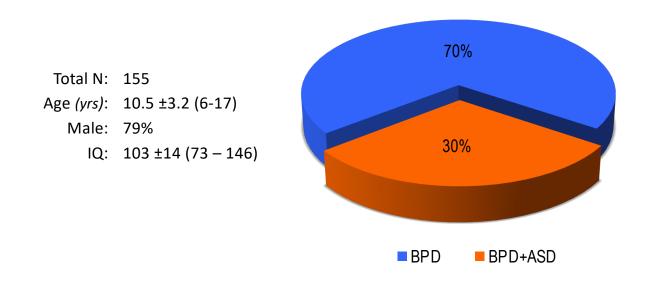




Statistical Significance: ***p≤0.001

Joshi et al., 2010, 2013

Prevalence of ASD in Research Population of Youth with BPD

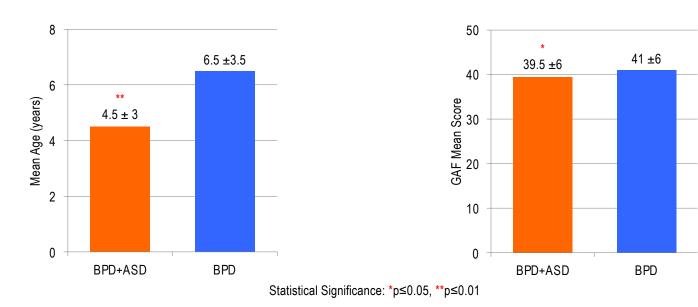


One-third of youth with Bipolar Disorder suffered from Autism

ASD Comorbidity in Youth with BPD

Age at Onset of BPD

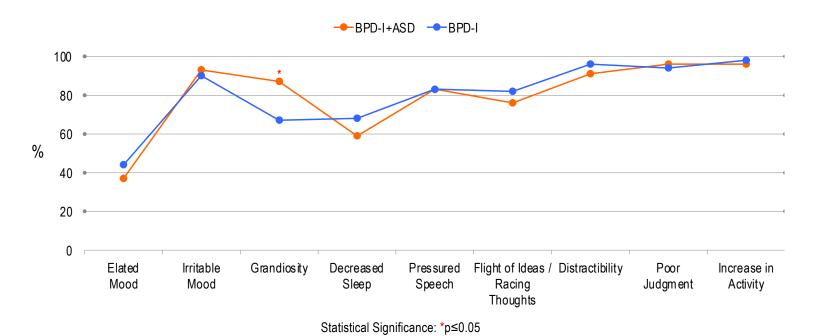
Level of Functioning (GAF)



In the presence of Autism, the onset of Bipolar Disorder in youth was earlier and with poorer level of global functioning



Presentation of Mania in Youth with ASD



Typical presentation of Mania in youth with Autism



CNS Neurosciences & Therapeutics

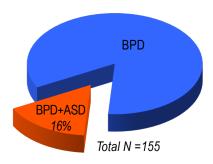
ORIGINAL ARTICLE



Response to Second Generation Antipsychotics in Youth with Comorbid Bipolar Disorder and Autism Spectrum Disorder

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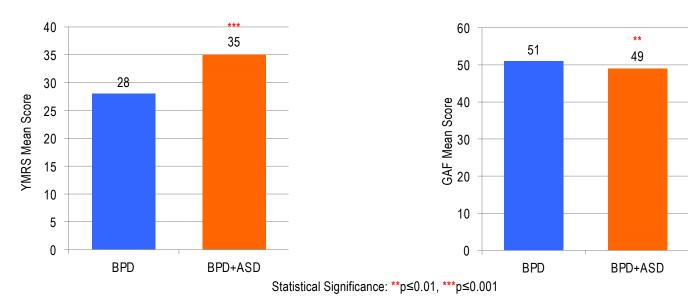
SUMMARY

Objective: To assess the impact of comorbid autism spectrum disorders (ASD) on the response to second-generation antipsychotics (SGA) in pediatric bipolar disorder (BPD). **Methods:** Secondary analysis of identically designed 8-week open-label trials of SGA monotherapy (risperidone, olanzapine, quetiapine, ziprasidone, or aripiprazole) in youth with BPD. **Results:** Of the 151 BPD subjects 15% (n = 23) met criteria for comorbid ASD. There were no differences in the rate of antimanic response (YMRS change $\geq 30\%$ or CGI-Improvement ≤ 2 : 65% vs. 69%; P = 0.7) in the presence of comorbid ASD. **Conclusion:** No difference observed in the rate of antimanic response or tolerability to SGA monotherapy in the presence of ASD comorbidity.

SGN Monotherapy Response of ASD Youth with and without BPD

Severity of Mania

Level of Functioning (GAF)

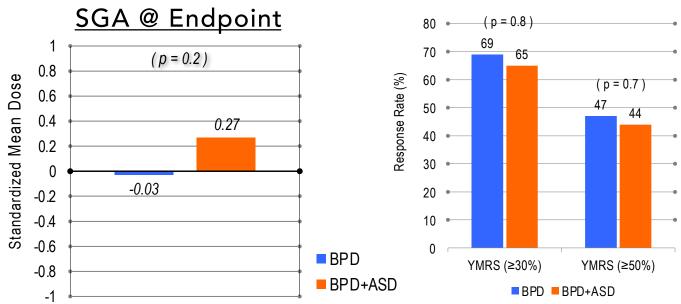


Greater severity of Mania with worse global functioning in the presence of Autism in youth with Bipolar Disorder



SGN Monotherapy Response of ASD Youth with and without BPD

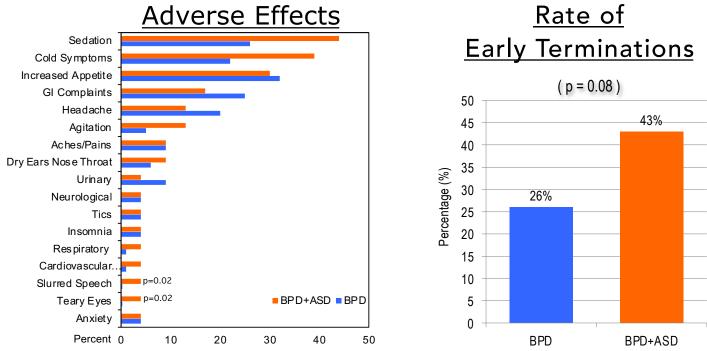
Standardized Mean Dose of Rate of Anti-manic Response



The required dose of SGA and the anti-manic response did not differ in the presence of Autism in youth with Bipolar Disorder



SGN Monotherapy Response of ASD Youth with and without BPD



The tolerability to treatment was equally good in the presence of Autism in youth with Bipolar Disorder



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