

Autism spectrum disorders and psychiatric comorbidities: a narrative review

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SUMMARY

Background.

Autism spectrum disorders (ASD) are a group of neurodevelopmental disorders characterized by persistent difficulties in social communication, restricted interests, and repetitive behaviors. Diagnosis can be difficult because of the heterogeneity of clinical and subclinical expression of symptoms among individuals. ASD rarely presents in its pure form, and individuals with ASD are more likely to have comorbid psychiatric disorders than the general population. Symptoms related to psychiatric comorbidities can worsen the clinical course of ASD, and distinguishing psychopathological symptoms from the main or atypical symptoms of ASD can be difficult for clinicians. The aim of this narrative review is to make an overview of psychiatric comorbidities of ASD, updating prevalence, highlighting symptoms and available diagnostic tools, and finally defining possible treatment strategies.

Methods.

This narrative review was conducted first by defining the objective, followed by a research of the scientific literature and data evaluation, and finally by presenting results. Search terms were entered into ERIC, MEDLINE, PsycARTICLES, PsycINFO, Scopus, and PubMed. Only studies published in English were included. Only studies that analyzed autistic traits in severe mental disorders and studies of patients with ASD and severe mental disorders in comorbidity were included. Studies on children, adolescents, and adults were included. Given the breadth and specificity of the topic, studies on psychosis, schizophrenia, gender dysphoria, trauma and post-traumatic stress disorder, substance use disorders, and suicidal behavior were not included in the search terms and are not discussed in this review. The terms and databases were combined using the Boolean search technique to make the search more restrictive and detailed. Tables were then constructed and results were sorted by prevalence, symptoms, diagnostic tools and treatment, and finally discussed in a narrative way.

Results.

The included studies were divided into eight categories based on psychiatric comorbidity in ASD: attention deficit hyperactivity disorders; anxiety disorders; personality disorder; repetitive behaviors; and obsessive-compulsive disorders; sleep disorders; mood disorders; Tourette syndrome and tic disorder studies; feeding and eating disorder studies.

Discussion.

ADHD has the highest prevalence among psychiatric comorbidities in ASDs, followed by anxiety disorders. The clinical presentation of all the disorders considered is often overlapping with core symptomatology of ASD, although some peculiarities may help clinicians to recognize the presence of a comorbidity. With the exception of few scales adapted for ASD patients, assessment tools available for the diagnosis of psychiatric disorders in the context of ASD are often not adjusted for individuals on the autism spectrum. The co-occurrence of these disorders is usually associated to a worsening of the clinical presentation and to a resistance to conventional treatments, especially pharmacological. Among non-pharmacological treatments, behavioral interventions, and specifically cognitive behavioral therapy, seem to be effective in almost all the psychiatric disorders evaluated in this study.

Conclusions.

Prospective studies with homogeneous samples are needed to develop specific diagnostic tools and dedicated treatments for psychiatric comorbidities in the context of ASD.

Key words: autism spectrum disorders, psychiatric comorbidities, diagnostic features

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Spectrum Of Psychiatric Research

Eve C. Johnstone

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,1896 **Cognition across the psychiatric disorder spectrum: From mental health to clinical diagnosis** Caroline Gurvich, Susan L. Rossell,2015-08-31 Psychiatric symptoms are considered to be distributed along a continuum from good mental health to a diagnosable psychiatric disorder In the case of psychosis subclinical psychotic experiences which can include odd behaviors strange speech unusual perceptual experiences and social emotional withdrawal are often referred to as schizotypy Research examining schizotypal traits in non clinical populations is rapidly expanding The exploration of schizotypy allows us to identify areas of overlap with psychiatric disorders schizophrenia and related disorders at genetic biological environmental and psychosocial levels thus identifying putative risk factors as well as exploring potentially protective factors Schizotypy is also a valuable model for exploring cognition as performance is not confounded by issues often present in schizophrenia samples such as long term antipsychotic medication usage social isolation and recurrent hospitalizations Investigating cognition is a particularly important area of research as cognitive symptoms in schizophrenia such as impaired attention reduced memory and difficulties with executive functions are a core feature of schizophrenia and strongly related to quality of life and functional outcomes yet generally respond poorly to current treatment options The aim of this special Research Topic is to explore the relationship between cognition schizotypy and the schizophrenia spectrum The articles in this e book draw on a variety of perspectives and represent an interesting array of opinions reviews and empirical studies that begin to answer questions about the similarities and overlaps between schizotypy and schizophrenia spectrum disorders contributing to our understanding of potential risk factors Equally important is research that highlights differences between schizotypy and schizophrenia spectrum disorders that may enhance our understanding of potentially protective or adaptive features of schizotypy Collectively these articles highlight the exploratory potential of the study of schizotypy particularly in relation to better understanding cognition across the schizophrenia spectrum *Illusions: a Psychological Study* James Sully,1888 *Unfinished Tasks in the Behavioral Sciences* Arnold Abrams,1964 **The American Journal of Psychiatry** ,2009 **American Journal of Psychotherapy** ,1947 *The Psychological Review. Monograph Supplement* ,1896

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