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Subthreshold Autism Spectrum Disorder in patients with Eating disorders

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ABSTRACT

\textbf{Aim}: Increasingly data suggest a possible overlap between psychopathological manifestations of eating disorders (EDs) and autism spectrum disorders (ASD). The aim of the present study was to assess the presence of subthreshold autism spectrum symptoms, by means of a recently validated instrument, in a sample of participants with EDs, particularly comparing participants with or without binge eating behaviours.

\textbf{Methods}: 138 participants meeting DSM-5 criteria for EDs and 160 healthy control participants (HCs), were recruited at 3 Italian University Departments of Psychiatry and assessed by the SCID-5, the Adult Autism Subthreshold Spectrum (AdAS Spectrum) and the Eating Disorders Inventory, version 2 (EDI-2). ED participants included: 46 with restrictive anorexia (AN-R); 24 with binge-purging type of Anorexia Nervosa (AN-BP); 34 with Bulimia Nervosa (BN) and 34 with Binge Eating Disorder (BED). The sample was split in two groups: participants with binge eating behaviours (BEB), in which were included participants with AN-BP, BN and BED, and participants with restrictive behaviours (AN-R).

\textbf{Results}: participants with EDs showed significantly higher AdAS Spectrum total scores than HCs. Moreover, EDs participants showed significantly higher scores on all AdAS Spectrum domains with the exception of \textit{Non verbal communication} and \textit{Hyper-Hypo reactivity to sensory input} for AN-BP participants, and \textit{Childhood/Adolescence} domain for AN-BP and BED participants. Participants
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