

## Eating disorders

### O120

#### Eating disturbances in subjects with autism spectrum disorder without intellectual disabilities

V. Bertino<sup>1\*</sup>, B. Demartini<sup>2</sup>, V. Nisticò<sup>2</sup>, R. Tedesco<sup>1</sup>, R. Faggioli<sup>1</sup> and O. Gambini<sup>2</sup>

<sup>1</sup>Unità Di Psichiatria Ii, ASST Santi Paolo e Carlo, Presidio San Paolo, Milano, Italy and <sup>2</sup>Dipartimento Di Scienze Della Salute, Università degli Studi di Milano, Milano, Italy

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.321

**Introduction:** There is a growing interest in the relationship between Autism Spectrum Disorders (ASD) and Eating Disorders (ED), two relatively common conditions lying on a spectrum from mild to severe clinical features. However, only limited data are available about pathological eating behaviours throughout adults on the autistic spectrum. **Objectives:** The aim of the present study is to assess dysfunctional eating behaviours, including ED manifestations and ASD-related eating disturbances, in a population of adults with ASD with no intellectual disabilities.

**Methods:** We recruited 115 adults on the autistic spectrum, with no intellectual disability and 114 neurotypical adults (NA). Participants completed the “Eating Attitude Test” (EAT-26), to measure symptoms and concerns characteristic of ED, and the “Swedish Eating Assessment for Autism Spectrum Disorders” (SWEAA), to assess eating behaviours frequently seen within the autistic spectrum.

**Results:** Subjects with ASD scored significantly higher than NA at the EAT-26 and at the SWEAA. Women reported higher scores than men. Moreover, an interaction effect Group\*Gender emerged at the EAT-26 only, with women with ASD scoring higher than men with and than NA overall. ASD subjects scored higher than NA at the EAT-26 subscales Dieting and Bulimia. Furthermore, the higher the SWEAA total score was, the more likely it was that a subject on the autistic spectrum would score above the cut-off of 20 at the EAT-26. **Conclusions:** These results indicate that adults with ASD without intellectual disability presented not only a higher prevalence of eating disturbances typical of autistic spectrum, but also other ED symptoms in comparison to NA.

**Disclosure:** No significant relationships.

**Keywords:** Autistic Spectrum Disorder; eating disorders; autistic eating disturbances

### O121

#### Dysregulated sexuality and childhood trauma in eating disorders: Psychopathological, biological, and behavioural correlates

G. D’Anna<sup>1\*</sup>, G. Castellini<sup>1</sup>, E. Rossi<sup>1</sup>, E. Cassioli<sup>1</sup>, C. Appignanesi<sup>1</sup>, A.M. Monteleone<sup>2</sup>, A.H. Rellini<sup>3</sup> and V. Ricca<sup>1</sup>

<sup>1</sup>Department Of Health Sciences, University of Florence, Florence, Italy; <sup>2</sup>Department Of Psychiatry, University of Campania “Luigi Vanvitelli”, Naples, Italy and <sup>3</sup>Department Of Psychological Science, University of Vermont, Burlington, United States of America

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.322

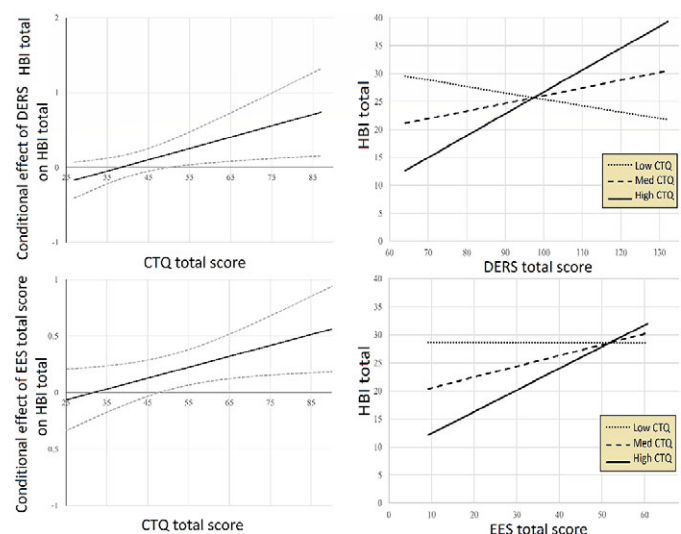
**Introduction:** Sexual dysfunction is common in eating disorders (EDs), but its relevance is often overlooked.

**Objectives:** To describe different ED clinical subgroups in terms of psychopathology, putative biological correlates, and consequences of dysregulated sexuality, focusing on the role of childhood trauma.

**Methods:** Healthy controls (n=60), binge-purging (n=38), and restricting patients (n=24) were compared (age- and BMI-adjusted ANOVA; Bonferroni post-hoc tests), using total scores of Eating Disorder Examination Questionnaire (EDE-Q), Emotional Eating Scale (EES), SCL-90-R Global Severity Index (GSI), Barratt Impulsiveness Scale (BIS-11), Difficulties in Emotion Regulation Scale (DERS), Childhood Trauma Questionnaire (CTQ), Female Sexual Functioning Index (FSFI), Hypersexual Behaviour Inventory (HBI), and patients’ hormonal profiles (gonadal and pituitary hormones, ghrelin). Self-reported voluntary termination of pregnancy (VTP) and promiscuous sexual activity were recorded. For ED patients (N=62), regression analyses between significant variables and HBI were carried, applying moderation models for different CTQ scores.

**Results:** Table 1 outlines significant between-group comparisons (°: different from controls; \*: different from restricting patients; p<0.05). Binge-purging patients had higher FSH, LH, and ghrelin levels, more VTPs and promiscuity. HBI showed significant correlations with EES, SCL-90-R-GSI, DERS, CTQ, and ghrelin levels. CTQ moderated interactions for DERS and EES (Figure 1).

	Binge-purging	Restricting	Controls	F
EDE-Q	3.86±1.20°	3.41±1.64°	0.85±0.83	67.32
EES	40.85±22.74**	16.01±15.88	19.87±15.21	7.01
SCL-90-R GSI	1.73±0.65°	1.27±0.69°	0.68±0.44	20.32
BIS-11	62.47±9.91°	60.81±8.56	57.04±10.04	4.99
DERS	106.97±29.15°*	83.97±33.12	78.14±14.12	10.21
CTQ	55.32±21.06°	49.31±10.81°	38.02±8.32	15.24
FSFI	17.32±11.89**	11.70±10.98°	29.32±7.45	24.02
HBI	28.75±13.89*	20.56±3.12	26.11±4.90	4.92



**Conclusions:** Dysregulated sexuality is linked to emotion dysregulation and childhood trauma. Binge-purging patients experience adverse behavioural consequences.

**Disclosure:** No significant relationships.

**Keywords:** hypersexuality; childhood trauma; eating disorders; emotion dysregulation

## O122

### Not everyone is the same: Latent profile analysis of food addiction, personality traits and loneliness among young adults

E. Charzynska<sup>1</sup>, P. Atroszko<sup>2</sup> and A. Brytek-Matera<sup>3\*</sup>

<sup>1</sup>Institute Of Psychology And Institute Of Pedagogy, University of Silesia, Katowice, Poland; <sup>2</sup>Institute Of Psychology, University of Gdansk, Gdansk, Poland and <sup>3</sup>Institute Of Psychology, University of Wroclaw, Wroclaw, Poland

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.323

**Introduction:** Food addiction (FA) has been found to correlate with personality traits and psychosocial factors (Zhao et al., 2018). However, the vast majority of studies on this subject use the variable-oriented approach, which assumes that relationships between specific variables are identical in a given population (Collins & Lanza, 2010).

**Objectives:** The main aim of this study was to assess the heterogeneity of young adults with respect to food addiction, personality traits (extraversion, conscientiousness and emotional stability) and loneliness. The secondary aim was to examine the relationships between profile membership and well-being.

**Methods:** The sample consisted of 1,157 young adults (58.1% women). The Yale Food Addiction Scale, the Ten-Item Personality Inventory and the Short Loneliness Scale were used in the present study. Various aspects of well-being were included (e.g. quality of life). Latent Profile Analysis was performed twice: in the full sample, and in the subsample of individuals with increased FA (defined as z-score  $\geq 1$ ;  $n = 213$ ).

**Results:** Four profiles were identified both in the full sample and in the subsample. The best functioning was observed in individuals who scored high on extraversion and low on loneliness, despite their relatively high levels of FA. Young adults who scored high on FA and loneliness, and low on extraversion, conscientiousness and emotional stability, were more likely to have the worst functioning.

**Conclusions:** Our findings suggest that using the person-oriented approach may expand our knowledge on the role of personality traits and psychosocial factors in determining the effects of FA on well-being.

**Disclosure:** No significant relationships.

**Keywords:** loneliness; latent profile analysis; food addiction; personality traits

## O123

### Prevalence and treatment of patients with eating disorders: Data of a German health insurance

K. Herrmann<sup>1</sup>, R. Kaluscha<sup>2</sup>, A. Liebert<sup>2</sup> and J. Von Wietersheim<sup>1\*</sup>

<sup>1</sup>Psychosomatic Medicine And Psychotherapy, Ulm University Hospital, Ulm, Germany and <sup>2</sup>Institute Of Rehabilitation Sciences, Ulm University Hospital, Bad Buchau, Germany

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.324

**Introduction:** Few studies have examined the course of eating disorders and the respective treatments based on insurance data, even though they provide representative information.

**Objectives:** To assess the epidemiology, treatments, duration of illness, costs of treatment in a data set of a public health insurance.

**Methods:** Data provided by a German health insurance (data from 4.2 million members from 2005-2010). A matched control group based on age and gender without an eating disorder diagnosis was used for comparisons.

**Results:** 2.734 cases with the diagnoses of an eating disorder (anorexia nervosa AN, bulimia nervosa BN or combination ANBN) were identified. More than 92% of the patients were female. The relative risk for personality disorders, depressive disorders, alcohol abuse and obsessive-compulsive disorders was highly increased. Most of the patients with BN (53.04%) or AN (41.57%) were treated in out-patient care, and many were only treated for three months, whereas most of the patients with ANBN were treated for a longer time. 3-19% with BN, AN or ANBN were treated only in in-patient care. The in-patient costs of treatment for the year of the diagnosis were 5471.15€ for BN, 9080.26€ for AN, 10809.16€ for ANBN and 339.37€ for the control group.

**Conclusions:** Our findings suggest that patients with ANBN diagnosis have a severe and longer course of treatment. Furthermore, contrary to national guidelines for eating disorders, there is a considerable proportion of patients with BN or AN that are treated only in in-patient care.

**Disclosure:** No significant relationships.

**Keywords:** eating disorders; epidemiology; costs of treatment; health insurance data

## O125

### Negative affect, affect regulation, and food choice: A value-based decision-making analysis

D. O'Leary<sup>1</sup>, A. Brytek-Matera<sup>2\*</sup> and J. Gross<sup>3</sup>

<sup>1</sup>Department Of Psychology, University of Chicago Booth School of Business, Chicago, United States of America; <sup>2</sup>Katowice Faculty Of Psychology, SWPS University of Social Sciences and Humanities, Katowice, Poland and <sup>3</sup>Department Of Psychology, Stanford University, Stanford, United States of America

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.325

**Introduction:** Research has shown that negative affect leads to unhealthy eating, the top cause of death in the United States.

**Objectives:** This project examined whether AR (Affect Regulation) can be applied to incidental negative affect to improve eating behavior.

**Methods:** We conducted four studies.

**Results:** In Studies 1 and 2 ( $n=80$ ), we developed an autobiographical negative affect induction, showed that it induces negative affect, and demonstrated that participants can learn to downregulate this negative affect. In Study 3 ( $n=40$ ), participants completed a three-phase dietary food choice task. In phase 1, participants made food choices under neutral conditions. In phase 2, participants made food choices after receiving the negative affect induction from