

EPV0293

Self-harm and aggression in patients with anorexia nervosa

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Introduction: Anorexia nervosa (AN) is a complex condition with high comorbidity.

Objectives: This study aims to verify whether patients with AN are more aggressive towards themselves than towards others; namely, we measure the levels of autoaggressive/aggressive ideation, negative emotions regarding self/others, as well as self-harm behavior.

Methods: 10 female patients with AN (2 of them also had bulimia nervosa) and 20 female participants of the control group were presented with Structured Interview, Rosenzweig Picture-Frustration Test (P-F), Thomas-Kilmann Conflict Mode Instrument, Buss-Durkee Hostility Inventory, I-structural Test of Ammon, Boyko Communication Aggression Inventory, Boyko Self-directed Emotion Accumulation Inventory (BSEAI). Mann-Whitney U-test and Pearson's correlation coefficient were used.

Results:

Table 1		
Structured interview indicator	Control group	AN patients
Suicide attempts	10%	60%
Self-harm behavior	35%	60%
Piercing/tattoos	20%	50%
Depression (self-report)	40%	90%

There were no significant differences in aggression levels between groups. However, patients with AN showed less extrapunitive reactions: blaming others, requiring others to resolve the situation (P-F, $p=0.013$) and more intropunitive reactions: self-blame, feeling responsible/guilty for the situation (P-F, $p=0.031$). AN patients had more self-directed negative emotions and impulses (BSEAI, $p=0.01$), more self-harm behavior (see table 1). There were no correlations between autoaggression and aggression scales in the control group, but there were 9 correlations between them in the AN group ($p<0.05$, $r>0.76$).

Conclusions: Patients with AN are more inclined to self-blame, negative ideas about themselves, self-harm behavior, but have the same aggression level as the control group. The interconnection of aggression and autoaggression is different in patients with anorexia nervosa compared to the control group.

Disclosure: No significant relationships.

Keywords: anorexia nervosa; Aggression; self-harm

EPV0294

The importance of the family situation to understand the role of anorexia symptoms

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Introduction: The objective of this poster is to show the importance of understanding the situation of the patient's family in order to know the development and role that eating symptoms are occupying both in the patient and in the different members that make up the family

Objectives: Highlight the triggering and sustaining factors of a case of anorexia nervosa

Methods: Case Report

Results: Patient is a 14-year-old woman who begins to develop excessive concern about her body image initiating eating behaviors in the form of high restriction and counting of calories from food. Also she explains that she began to compulsively perform more than two hours a day of sports in order to lose weight Family genogram: she is an only daughter, whose parents have been separated for 4 years. Parents recognize conflictive relationship. The patient recognizes a very close relationship with her mother. When she talks about her relationship with her father, she explains how she felt very close to her father when she was young but that after the separation her father moved away. She describes that his father rebuilt his life a year ago and that he recently informed her that he is going to be a father again. She recognizes intense feelings of abandonment from her father. She acknowledges that the sense of control starting with anorexia initially helped her to feel confident about herself.

Conclusions: Understanding the origin of the symptoms and their function is essential for a better management of cases of anorexia

Disclosure: No significant relationships.

Keyword: eating disorder family dynamics

Emergency psychiatry

EPV0295

New therapy by surfactant to avoid neuro/psychiatric problems caused by cerebral hypoxia

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Introduction: Covid-19 causes neuro/psychiatric problems by cerebral hypoxia.

Objectives: My therapy could allow us to cross Covid-19 infection by minimizing both immediate and chronic lung damage and would avoid many deaths and neuro/psychiatric problems from cerebral hypoxia.

Methods: In the case of a Covid-19 lung infection, the virus infects type II alveolar cells which consequently reduce the production of pulmonary surfactant. The surfactant has the function of reducing the surface tension of the alveoli. The less pulmonary surfactant there is, the more the alveoli tend to collapse due to the increased surface tension of their surface. Consequently, the lung would tend to collapse, that is, to reduce its volume, but collapse is prevented by the muscular movement of inspiration, which instead increases its volume. This means that a “low-pressure area” is created in the interstitial space which attracts liquid and substances which are often inflammatory and which organize over time, giving rise to interstitial pneumonia.

Results: I propose to administer the pulmonary surfactant to the patient Covid-19 in the presence of dyspnea and certainly during assisted ventilation. This technique is routinely used in preterm infants suffering from lack of pulmonary surfactant production due to the immaturity of type II alveolar cells, pending that once matured these cells produce it autonomously.

Conclusions: Similarly, the administration of surfactant during Covid-19 lung infection would allow the correct amount of surfactant to be maintained during the acute phase of the infection and would give time for type II alveolar cells to heal and independently resume surfactant production.

Disclosure: No significant relationships.

Keywords: Surfactant; Cerebral Hypoxia; COVID-19; Type II Alveolar Cells

EPV0297

Encephalopathy caused by disulfiram

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Introduction: Disulfiram is an alcohol detox drug that has been approved by the FDA for over 50 years. Among the various side effects that can cause there is encephalopathy. Its incidence is currently unknown, according to some authors it is estimated between 1 and 20%.

Objectives: In this article we report the case of a 48-year-old woman diagnosed with borderline personality disorder and alcohol use disorder, presenting with encephalopathy.

Methods: We discuss about our diagnostic and therapeutic approach.

Results: Fortunately, the rapid identification of this rare condition led to a favorable outcome in our patient.

Conclusions: Early detection of any acute change in mental state, especially in early stage of therapy, is important. Cessation of disulfiram is recommended in case of suspicion about disulfiram encephalopathy. This case underscores the importance of awareness of this serious complication during disulfiram treatment. If suspected early, appropriate diagnosis and treatment can prevent rapid progression.

Disclosure: No significant relationships.

Keywords: Encephalopathy; disulfiram

EPV0298

Emergency psychiatry services in pandemia: Is it different than before?

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Introduction: After World Health Organization declared that COVID-19 disease became a pandemic; like most, people in Turkey were affected by the emotionally challenging atmosphere. Previous outbreaks negatively effected mental health, increased suicide attempts and completed suicides.

Objectives: Our study aimed to investigate psychiatry consultations from emergency service in a university hospital, to determine differences in pandemia.

Methods: We conducted a monocenter retrospective study by examining the patients who applied to emergency service and consulted to psychiatry department in three periods: between 11 March- 11 July, in 2018, 2019, and 2020. Patient’s sociodemographic and clinical variables were assessed.

Results:

Variable	1. Period 11 March - 11 July 2018 n=166	2. Period 11 March - 11 July 2019 n=181	3. Period 11 March - 11 July 2020 n=128	Statistical values
Age (mean, standart deviation)	38.92 ± 14.51	39.69 ± 15.94	41.96 ± 17.30	F=1.393 p=0.249
Sex				
Female (n,%)	92, %55.4	99, %54.7	65, %50.8	χ ² =0.702 p=0.704
Male (n,%)	74, %44.6	82, %45.3	63, %49.2	
Marital status				
Single (n,%)	89, %53.6	103, %56.9	65, %50.8	χ ² =9.187 p=0.057
Married (n,%)	64, %38.6	71, %39.3	56, %43.8	
Unspecified (n,%)	19, %11.4	7, %3.9	7, %5.5	
Diagnose				
Depressive disorders (n,%)	24, %14.5	39, %21.5	9, %7	χ ² =23.285 p=0.026
Anxiety disorders, obsessive compulsive disorder, dissociative conversion disorders (n,%)	19, %11.4	19, %10.5	20, %15.6	
Bipolar disorder (n,%)	29, %17.5	30, %16.6	25, %19.5	
Psychotic disorders (n,%)	35, %21.1	33, %18.2	16, %12.5	
Alcohol and substance use disorders (n,%)	17, %10.2	10, %5.5	9, %7	
Behaviour disorders (n,%)	25, %15.1	30, %16.6	32, %25	
Other (n,%)	17, %10.2	20, %11	17, %13.3	
Thought of suicide (n,%)	15, %9	24, %13.3	20, %15.6	
Suicide attempt(n,%)	32, %19.3	47, %26	41, %32.0	
Other (n,%)	119, %71.7	110, %60.8	67, %52.3	
Cause of admission				χ ² =11.855 p=0.018
Exacerbation (n,%)	114, %68.7	136, %75.1	87, %68.0	
First presentation (n,%)	52, %31.3	45, %24.9	41, %32.0	
Course of disease				χ ² =2.509 p=0.285
Outpatient treatment (n,%)	119, %71.7	123, %68	82, %64.1	
Non-psychiatry service inpatient treatment (n,%)	8, %4.8	16, %8.8	18, %14.1	
Psychiatry service inpatient treatment (n,%)	39, %23.5	42, %23.2	28, %21.9	

Variable	1. Period 11 March - 11 July 2018	2. Period 11 March - 11 July 2019	3. Period 11 March - 11 July 2020	Statistical value
Recommended hospitalization in psychiatry service (n,%)	60, %36.1	69, %38.1	39, %30.5	χ ² =1.988 p=0.370
Refusal of hospitalization recommendation (n,%)	11, %6.8	20, %11.1	2, %1.6	χ ² =161 p=0.020

There were no difference in distributions of applicants’ following variables between periods; age, sex, marital status, experiencing a first attack or an exacerbation, or outcome treatment. Among applicants with suicide attempts, there were no difference between periods in terms of the presence of recurrent suicide attempt (χ² = 0.297 p = 0.862). While emergency admissions with behavioral disorders increased, admissions with depressive symptoms decreased. Admissions with suicide attempts were statistically significantly higher in 2020 (Table 1). Recommendation of psychiatric inpatient treatment did not change between periods, while refusal of hospitalization recommendation decreased (Table 2).