

Disclosure: No significant relationships.

Keywords: ECT; pacemaker; Depression; comorbidities

EPV0247

Comparison of psychological characteristics of women with depression and self-harming behavior

T. Medvedeva, S. Enikolopov, O. Vorontsova, O. Kazmina and O. Boyko*

Clinical Psychology, Federal State Budgetary Scientific institution "Mental health research center", Moscow, Russian Federation

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1827

Introduction: Existing literature supports the association between depression and self-harm, a prominent risk factor of suicide.

Objectives: Analysis of psychological characteristics of women with depression and self-harming behavior and their differences from patients with depression without self-harm.

Methods: The study involved 62 women with depression (age 16–23), 36 with self-harming, 26 did not have episodes of self-harm. Hamilton Scale (HDRS), Wisconsin Card Sorting Test (WCST), Iowa Gambling Task (IGT), SCL-90-R, Rosenberg self-esteem scale, Body Investment Scale (BIS) were used.

Results: Computer test execution time is shorter in the self-harming group, the total time in WCST and IGT tests is significantly shorter (T Test $p < 0.001$), «inhibition» (HDRS) in this group is significantly lower. The self-harmed group demonstrates higher feelings of guilt (2.222 ± 1.141 versus 1.367 ± 1.326 in the non-self-harm group, $p < 0.001$), suicidal ideation (2.653 ± 1.302 versus 1.100 ± 1.373 $p < 0.001$), psychopathological symptoms in SCL90-R: sensitivity (1.812 ± 0.861 versus 1.185 ± 0.553), hostility (1.388 ± 0.965 versus 0.729 ± 0.700 $p = 0.004$), GSI (1.539 ± 0.705 versus 1.205 ± 0.473 $p = 0.039$), and a special attitude towards body - a decrease of somatic symptoms (HDRS), decreased parameter of "protection" of body and the «attitude to the body» in Body Investment Scale (BIS).

Conclusions: The study revealed psychological characteristics that distinguish a group of depressed women with self-harming: a mismatch of the severity of the components of depressive tirade - motor and ideator inhibition was less pronounced, while the affective component was significantly more pronounced. The body investment is reduced, the need to protect one's own body is ignored. High level of guilt, and the increased sensitivity characteristic of these patients can be a vulnerability factor.

Disclosure: No significant relationships.

Keywords: Implicit associations; Depression; self-harm; Suicidal risk

EPV0249

Physical training for patients with depression and anxiety - a randomized controlled study

Q. Zhai^{1,2*}, Y. Freund-Levi^{2,3}, A. Horn², A.-C. Fridenberger², E. Lager², S. Montgomery¹ and J. Persson⁴

¹School Of Medical Sciences, Örebro University, Örebro, Sweden;

²Psychiatry, Örebro University Hospital, Örebro, Sweden;

³Department Of Neurology, Care Sciences And Society, Karolinska Institutet, Stockholm, Sweden and ⁴School Of Law, Psychology And Social Work, Örebro University, Örebro, Sweden

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1828

Introduction: Pharmaceutical treatment and psychotherapy constitute the most common treatment methods for depression and anxiety. Physical training has been shown to have comparable effect to cognitive behavioral therapy in treatment of mild to moderate depression and anxiety. Physically active individuals also show lower risks to develop depression and relapse in depression.

Objectives: The objectives are to evaluate how physical activity can affect depressive and anxiety symptoms, by examining biomarkers in the blood and from the gut and also by measuring cognitive functions. Hopefully, this can lead to new treatment strategies for patients with depression and anxiety.

Methods: 102 patients are randomized to two groups and undergo 12 weeks intervention as add-on to standard outpatient psychiatric treatment. The first group will participate in physical training three times per week and the other group will receive relaxation therapy on a weekly basis. Daily activity intensity will be measured before and at the last week of intervention with an accelerometer. Blood and faeces sample collection, symptom grading by clinician together with self-rating scales and cognitive screening will be performed at baseline, week 12 and one year of follow-up. The cognitive screenings are performed digitally in cooperation with Mindmore.

Results: The RCT is currently recruiting patients at the Department of Psychiatry of Örebro University Hospital.

Conclusions: The project aims to be holistic in its approach, combining the defining clinical psychiatric symptoms in patients who have both depression and anxiety with the finding and evaluation of new biomarkers from blood and gut to improve cognitive functions.

Disclosure: No significant relationships.

Keywords: Depression; Anxiety; Exercise; cognitive functions

EPV0250

Anxiety-depressive disorders in patients with dysarthria against the background of organic brain damage

I. Mudrenko and O. Kolenko*

Department Of Neurosurgery And Neurology, Sumy State University, Sumy, Ukraine

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1829

Introduction: The presence of acquired speech disorders of varying evidence can cause maladjustment and job loss. Often there is no adequate psychological and psychotherapeutic assistance for these patients, which hinders the process of recovery and reintegration into the social environment.

Objectives: To study the level of anxiety and depression in patients with dysarthria who have undergone various types of cerebrovascular accidents. To give practical recommendations regarding the correction of these conditions.

Methods: To assess the level of anxiety and depression, the Hospital Anxiety and Depression Scale (HADS) was used as the most convenient for application in clinical practice.

Results: The study involved 42 people in the age group 45-60 years old with the consequences of cerebrovascular accident in the form of various types of dysarthria and without severe movement disorders. All participants had a university degree and a confirmed stroke of anamnesis. According to the data obtained, 45% of patients had symptoms of depression, 52% – anxiety. It should be clarified that specific weight of men with manifestations of depression and anxiety was higher (65% and 56%, respectively). The beginning of active antidepressant therapy in a hospital setting showed a positive subjective effect from such influences – in 38% of patients.

Conclusions: The use of modern methods for assessing the level of anxiety and depression in patients with speech disorders should become an obligatory stage of diagnostic measures. Psychological assistance and pharmacological correction not only helps patients to adapt to new social conditions, but also promotes prevention the progression of depressive manifestations.

Disclosure: No significant relationships.

Keywords: dysarthria; anxiety; depression; cerebrovascular accident.

EPV0251

Face tuning in female and male individuals with depression

J. Kubon*, A. Sokolov, R. Popp, A. Fallgatter and M. Pavlova
Psychiatry And Psychotherapy, Eberhard Karls Universitaet
Tuebingen, Tuebingen, Germany

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1830

Introduction: The current COVID-19 pandemic brings social isolation to our daily lives that may elevate depression. The impact of major depressive disorder (MDD) on social cognitive functioning is far from understood, but essential for prevention and treatment of this neuropsychiatric condition.

Objectives: Our aim was to examine (i) whether face tuning is lower in depression; and (ii) how it is related to other cognitive abilities (such as perceptual organization). Furthermore, we intended to clarify gender impact on face tuning in MDD, as twice more females are affected.

Methods: Using a recently developed paradigm, the Face-n-Food task, we examined face tuning in 26 patients with MDD and 26 person-by-person matched controls. The advantage of non-face images is that its single elements do not promote face processing.

Results: Strikingly, MDD individuals showed intact face tuning. As sex ratio in our patient sample was about 2:1 (as in MDD population in general), we recruited additional male patients and found that MDD male patients were as good as female patients. Yet, while face tuning in MDD patients showed a significant correlation with perceptual organization abilities, in controls, it was linked with social cognition.

Conclusions: The outcome suggests that the origins of aberrant social functioning in MDD lie in maladaptive cognitive schemas rather than in a lack of sensitivity towards social signals per se. To elucidate neural circuits involved in face tuning in MDD, a magnetoencephalography (MEG) study with the Face-n-Food images is currently under progress.

Disclosure: No significant relationships.

Keywords: face pareidolia; social cognition; Depression; gender impact

EPV0252

Anxiety in depression

E. Tahmazov^{1,2*}, G. Robert^{3,4}, M. Walter^{1,2} and C. Lemey^{1,2}

¹Urci Mental Health Department, Brest Medical University Hospital, Brest, France; ²Ea 7479 Spurbo, University of Western Brittany, Brest, France; ³Academic Department Of Adult Psychiatry, Guillaume Régnier Hospital, Ea 4712, Rennes University Hospital, Rennes, France and ⁴Centre Research Unit Ea 4712 Behavior And Basal Ganglia, Rennes University Hospital, Rennes, France

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1831

Introduction: There are different clinical forms combining anxiety and depression and it is essential to identify them because they will require different management. Among these clinical forms, there is that including anxiety as a symptom within the depressive episode : the anxious depression.

Objectives: The objective is to find the characteristics of this anxious depression.

Methods: We conducted a literature review on the PubMed® site giving access to the MEDLINE® database, as well as on the Google Scholar® search engine and retained 127 articles.

Results: By studying anxiety as a symptom of the depression, we identify on the pathophysiological level different neurobiological mechanisms (neuroanatomical, biological, immunological and endocrinological) involved in types of symptoms of different anxiety. Thus, by adopting a dimensional point of view, we can say that there are various anxiety symptoms which can be included in multiple forms of anxiety within the depression : psychic anxiety (anxiety and irritability), somatic anxiety (hypochondria, sweating, cardiological, respiratory, gastrointestinal and urinary symptoms), motor anxiety (agitation), anxious arousal (somatic anxiety, fear, panic) or anxious apprehension (anticipatory anxiety and worry). The prognosis which emerges from it is of a more pejorative evolution, and has specificities on which an increased attention is required, such as suicidal behavior which is more frequently described for example. The treatment must be psychotherapeutic, sociotherapeutic, and medication by antidepressant treatment, with SSRIs in the first line.

Conclusions: It is therefore essential to identify the clinical presentation of the anxious depression because it has specific semiological, neurobiological, prognostic and therapeutic characteristics.

Disclosure: No significant relationships.

Keywords: Anxiety; Depression; anxious depression

EPV0253

The structure of depressive manifestations in preoperative cardiac surgery patients

O. Nikolaeva¹, E. Nikolaev^{2*}, N. Maksimova³, E. Litvinova³, A. Zakharova³ and G. Dulina³

¹Cardiosurgery, Republic Cardiology Clinic, Cheboksary, Russian Federation; ²Medical Faculty, Ulianov Chuvash State University,