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*Methods.*– A total of 42 male BALB/c mice were divided into 6 groups of 7 mice, separately. Positive and negative control groups received fluoxetine (20 mg/kg, i.p.) and reserpine (5 mg/kg, i.p.) and vehicle mice received normal saline (1 mg/kg, i.p.), respectively and treatment groups received Papaver rhoeas hydro-alcoholic extract at concentrations of 50, 100, 200 mg/kg, 18 h after administration of reserpine. Mice were then studied with behavioural tests (forced swimming and rotarod). Finally, mice's blood antioxidant capacity was measured.

*Results.*– Significant difference (P < 0.001) in the duration of immobility time between reserpine treated and vehicle groups was obtained. Papaver rhoeas hydro-alcoholic extract at define concentrations, reduced the duration of immobility time and significantly improved blood antioxidant capacity.

*Conclusion.*– According to the results, Papaver rhoeas can be a good candidate for use as a natural drug with antidepressant effects.

*Keywords:* Papaver rhoeas hydro-alcoholic extract; Depression; Forced swimming test

*Disclosure of interest.* – The authors have not supplied their declaration of competing interest.

#### EV0263

#### Cerebral folate deficiency in treatment resistent depression: A litterature review

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Introduction.– Approximately 15% of patients with depressive disorders do not respond to any of the current treatments available and are catagorized as treatment-resistent. A recent study by Pan et. al. examined patients with treatment resistent depression for metabolic disorders. A greater proportion of the participients had metabolic disorders, cerebral folate deficiency being the most frequent. Treatment of folate deficiency resulted in a decrease of depressive symptoms. The study was limited by a small number of participiants.

*Objectives.*– The aim of this study was to make a review of clinical studies in cerebral folate deficiency and depression.

*Methods.*– We searched in MEDLINE using the MeSH vocabulary (folic acid, folic acid deficiency, depressive disorder, treatment-resistant) and the phrase: cerebral folate deficiency. Non-clinical studies were excluded.

*Results.*– We found 771 articles of which 753 were excluded. Earlier studies going back to the 1960's did identify an association between folate deficiency and depression. These studies only concerned peripherial folate deficiency. One recent case-control study included spinal fluid in the tests of folate compounds in patients treatment-resistent depression. They found an association between treatment-resistent depression and cerebral folate deficiency. Treatment with folinic acid while continuing the prior antidepressive treatment resulted in a decrease of depressive symptoms.

*Conclusion.*– Previous studies indicated folinic acid as a potential adjuvant therapy to improve inadequate response to antidepressants. However only two articles studied cerebral folate deficiency in treatment-resistent depression and thus the requirement for spinal fluid analysis in diagnosing treatment-resistant depression is still to be determined.

*Disclosure of interest.* – The authors have not supplied their declaration of competing interest.

#### EV0264

#### Comprehensive analysis of suicidal behavior in depressive disorders in cancer patients

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Recently, the relevance of the problem of depression in cancer practice has increased significantly, where their prevalence ranges from 40 to 60% according to various authors.

*The aim of the study.*– The study of the phenomenology of suicidal behaviour in depressive disorders in cancer patients.

Material and methods.- for the purpose of studying our goal, we carried out a comprehensive examination of 154 patients of both sexes with an oncological pathology I and II stage in which depression was diagnosed. The main group consisted of 103 patients with signs of suicidal behaviour, control - 51 patients (men) without signs of suicidal behaviour. Malignant neoplasm is a psycho-traumatic factor for the patient, and leads to the development of depressive disorders, and suicidal behaviour. In the clinical picture of depressive disorders in patients with oncological pathology dominated mood depression, the affect of yearning and anxiety, the coverage of the experiences of acute grief in connection with the diagnosis of cancer, with the narrowing of cognitive functions and the domination of the content of mental trauma in consciousness. In the formation of suicidal behaviour of cancer patients with depressive disorders. high rates, according to clinical scales of anxiety and depression. high level of suicidal risk in combination with low level of death consciousness, and suicidologic anamnesis are a leading role. Disclosure of interest.- The authors have not supplied their declaration of competing interest.

#### EV0265

## Depressive disorders in internally displaced persons

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Introduction.- According to the Guiding Principles on Internal Displacement, internally displaced persons are persons who have been forced or obliged to leave their homes, in particular as a result of extreme situations, and who have not crossed an state border.

*Aim.*– to study clinical features of disorders in Internally Displaced Persons.

*Methods.*– We have a complex psychopathological and psychodiagnostic research 115 IDPs in volunteer center, located at the central train station in Kharkiv.

*Results.*– There were clinical and psychopathological signs of depressive disorders in Internally Displaced Persons analysed. Anxiety, asthenia, asthenic-apathetic and melancholy variants of depressive disorders in there were clinical and psychopathological signs of depressive disorders in in Internally Displaced Persons analysed. In this study there were the markers of suicide risk for Internally Displaced Persons determined: high suicide risk, low death self-consciousness, high anhedonia level, clinical manifestations of anxiety and depression by The Hospital Anxiety and Depression scale, severe anxiety and depression by The Hamilton Anxiety Rating Scale, major depressive episode by the Montgomery-Asberg Depression Rating Scale. There were approaches to differentiated prevention of suicidal behaviour in