**EPP1019**

**Features of inflammatory reactions and clinical picture in elderly and young patients with schizophrenia**

L. Androsova, A. Barkhatova, V. Sheshenin, S. Zozulya, I. Otman, V. Pochueva and T. Klyushnik

1Laboratory Of Neuroimmunology, Mental Health Research Centre, Moscow, Russian Federation; 2Department For The Study Of Endogenous Mental Disorders And Affective States, Mental Health Research Centre, Moscow, Russian Federation and 3Department Of Gerontological Psychiatry, Mental Health Research Centre, Moscow, Russian Federation

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1262

**Introduction:** It is known that the intensity of inflammation weakens with age, and therefore it is of interest to study the clinical features of schizophrenic process in relation to the level of inflammatory markers.

**Objectives:** To determine the level of inflammatory markers (the activity of leukocyte elastase (LE) and α1-protease inhibitor (α1-PI), autoantibodies (aAB) to neurotrophin S100b and myelin basic protein) in plasma in different years old groups of patients with schizophrenia.

**Methods:** Two groups of patients with schizophrenia were examined: the 1st group - 19 women aged 60 to 78 years; the 2nd group - 24 women aged 19 to 42 years.

**Results:** An increase in activity both of LE and α1-PI was found in young patients. This characterizes a balanced inflammatory response. Elderly patients showed a similar increase in the activity of α1-PI, however, LE activity did not exceed the control values. Insufficient LE activity probably characterizes a decrease in the functional activity of neutrophils. The negative correlation was revealed between the activity of LE and TotPsy (PANSS) in the group of elderly patients (r=-0.62, p<05) and positive correlation between aAB to S100b and TotNeg in both groups (r=0.56 and r=0.49, p<05 respectively). There is relationship between age, the activity of psychopathological symptoms and the rate of development of schizophrenia: the rapid course and variety of disorders at a young age, against the poverty of symptoms and a slow rate in the elderly.

**Conclusions:** There is relationship between the features of inflammatory reactions and clinical picture in elderly and young patients with schizophrenia.

**Keywords:** schizophrenia at young and old age; inflammatory markers

**EPP1020**

**A case of late-onset and long term of anti-nmda-receptor encephalitis in a 50-year-old patient with psychosis and cognitive decline**

Y. Palchikova, N. Zalutskaya, N. Gomzyakova, V. Mikhailov and N. Ananyeva

1Geriatric Psychiatry, V. M. BEKHTEREV NATIONAL RESEARCH MEDICAL CENTER FOR PSYCHIATRY AND NEUROLOGY, St. Petersburg, Russian Federation; 2Of Epilepsy, V.M. Bekhteriev National Medical Research Center for Psychiatry and Neurology, Saint Petersburg, Russian Federation and 3Radiology, V. M. BEKHTEREV NATIONAL RESEARCH MEDICAL CENTER FOR PSYCHIATRY AND NEUROLOGY, St.Petersburg, Russian Federation

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1264

**Introduction:** Anti-NMDA-receptor encephalitis is a severe rare acute form of encephalitis caused by an autoimmune process with the synthesis of autoantibodies to the glutamate receptors. The average age of onser is estimated to be 23-25 years. A typical clinical picture consist of prodromal, psychotic, active, hyperkinetic phases, and a phase of gradual regression of symptoms. The disease usually lasts for several weeks with spontaneous recovery or fatal outcome and caused by neoplastic process. Our case demonstrates that the course of anti-NMDAR encephalitis is possible at more mature age in the form of a long process with cultural features, without significant catatrodrome, inflammation and associated neoplastic process.

**Objectives:** 50-year-old woman complained about hypnornia, anosmia and diIssomnia. The disease began with impaired consciousness, disorientation, seizures and memory loss 4 years ago. After 3 weeks IgG to the herpes simplex and cytomegalovirus were detected. Then after a discharge with no improvement and visit of Lambda, the symptms described above spontaneously reduced and schizophrenia-like psychosis developed, accompanied by mild neurolgical and severe neurocognitive symptoms, weight loss, intolerance to antipsychotics in minimal daily doses. This state was maintained till 2020.

**Methods:** Examination included: CBC, metabolic panel, coagulogram, tumor markers, CSF, MRI, PET, specialists.

**Results:** CBC, metabolic blood analysis, tumor markers - within the reference values. CSF: cytosis 9/3, glucose 5.5 mmol/l, Pandi++, Nonnet-Apeltau+, antibodies to the NMDA receptor - 8. MRI: signs of the consequences of encephalitis. PET: no signs of metabolic activity of the malignant process.

**Conclusions:** This case brings additional data about a couase, age of onset, duration and trigger factors for anti-NMDAR encephalitis.

**Keywords:** Anti-N-Methyl-D-Aspartate Receptor Encephalitis; Herpes Simplex; Neurobehavioral Manifestations; schizophrenia-like psychosis

**EPP1021**

**Neuropsychiatric symptoms of multiple sclerosis: A case report**

P. Espada Dos Santos, J. Facucho-Oliveira, D. Esteves-Sousa, M. Costa, M. Albuquerque, A. Fraga, M. Marinho and P. Cintra

Psiquiatria E Saúde Mental, Hospital de Cascais Dr. José de Almeida, Alcabídeche, Portugal

*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1264

**Introduction:** Multiple Sclerosis (MS) is an immune-mediated inflammatory demylinating disease of the central nervous system. Concomitant psychiatric diseases are frequent in MS, with depression and anxiety disorders constituting the majority. The presence of psychotic disorders with MS is rare. Several studies have reported that psychotic symptoms usually develop after the neurological signs of MS and they are mostly linked to the side effects of treatment with interferon or with corticosteroids.