



ANALYSIS OF CLINICAL AND LABORATORY PARAMETERS AND EFFICIENCY OF TREATMENT OF ACUTE PURULENT MENINGITIS IN KHARKOV'S REGIONAL CLINICAL HOSPITAL OF INFECTIOUS DISEASES IN 2011-2013

(oral presentation)

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Introduction: Nowadays admission and treatment of patients with acute neuroinfections in Kharkov is possible only in Regional Clinical Hospital of Infectious Diseases. The aim of this study is to analyze the aetiology of infectious diseases of the CNS, the clinical picture and laboratory examination data, depending on the severity of the disease.

Materials and methods: We observed 74 patients with acute purulent meningitis. Patients underwent conventional laboratory and research methods investigations of blood and cerebrospinal fluid.

Results: Severe disease were in 55 patients (74%), moderate in 19 patients (26%). Lethal outcome were in 11 patients (14.9%). Average age in the group with moderate disease was 46 ± 12 , with severe disease – 52 ± 15 . The average age of lethal outcomes was 63 years. Most often from the cerebrospinal fluid (CSF) of patients were isolated *Str. Pneumonia*, *St. Epidermidis*. *N. Meningitidis* was isolated only in 4 patients (5 %). High mortality rate and severity is typical (14.9%). The severity of disease was due to the development of cerebral oedema (100% of patients with severe disease), not as often with infectious-toxic shock, cerebral thrombosis, ventriculitis. Purulent meningitis accompanied by pneumonia in 21 % of patients. Pneumonia was observed in the group with severe disease in 29% of cases, in moderate in 16%. Antibiotics ceftriaxone and levofloxacin were used in 75% of cases.

Conclusion: Significant positive dynamics of both clinical and laboratory parameters were at 5-7 days of treatment in most patients.

Key words:
meningitis