

USE OF MICROBIOLOGICAL ANALYZERS FOR AUTHENTICATION OF ANTIBACTERIAL SENSITIVENESS OF PATHOGENIC MICROORGANISMS

Tsemenko K. V.

Scientific supervisor: doctor medicine Litvinova O. N.

National University of Pharmacy, Kharkiv, Ukraine

klinlab@nuph.edu.ua

Introduction. Pathology of organs of the urinary system, including infections of the urinary system, presently behaves to one of major problems of medical science and practice.

Aim. The object of work is analysis of the efficiency use automatic microbiological to the analyzer of VITEK 2COMPACT in modern laboratory diagnostics.

Materials and methods. It is inspected 40 patients with the infection of the urinary system, from that the first group (21 patient - students of institutions of higher learning of Kharkiv) was on stationary treatment in the separations of therapeutic profile of student municipal hospital of Kharkiv №20 .The second group made 19 patients, standards of urine of that were researching the laboratory of Synevo in Kyiv. Diagnostics of disease was conducted on the basis of totality of anamnestic and objective clinical data, laboratory-instrumental methods. Biological material for realization of microbiological research was urine.

Results and discussion. The results of our research defined the most wide's preadetiologic factors at pathology of organs of the urinary system: in 65 cases of infection of the urinary system a basic role belongs to the bacteria of family of Enterobacteriaceae, 15 cases representative of family Enterococcus, at 10 cases-this was the mixed flora, in 10 cases a etiological factors were to the bacterium of family Staphylococcus. Also as are salt of our research by means of microbiological to the analyzer of VITEK 2 Compact is set more wide urology landscape that folded in 50cases from the bacteria of family of Enterobacteriaceae, 15 cases - bacteria of sort of Enterococcus, those microorganisms(Kocuria of krisrinae ,S. Warneri, Candidacruseri) that it was impossible to educe the conservative methods of laboratory diagnostics were also identified.

Conclusion . Use of analyzer of VITEK 2 COMPACT in practice of doctor-microbiologist is perspective enough direction that, no doubt, allows to promote the labor of doctor productivity -laboratory assistant.