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The result analysis of fungal test in national dermatology center of Mongolia

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The fungal infection is a widespread disease affecting both skin and mucous membrane. Incidence of this infection is increasing. The WHO has indicated that 10-20% of world population is being infected by skin and mucosal fungal disease. The nail fungus infection rate is 3-22% in European countries. In Mongolia, the fungal infection rate for 8-10% of total outpatient consultation National Dermatology Center of Mongolia. It is important regularly to keep track of the fungal diseases and their pathogens, which are important to determine their cause, prevention and treatment. The result of total 13386 microscopic fungal specimen test collected during 2015-2017, the total of 1008 fungus culture test in 2016-2017 years were analyzed by retrospective method. Only 25.8% of specimens analyzed by microscopy has shown positive result, which indicating low sensitivity of test. In 2015-2017, a total of 3461 clients were found to have fungal infection and only 102 (2.94%) of the patients were tested for re-examination. The male gender predominate the infection rate. The children aged between 10-20 years have high rate of infection. *C.albicans*, *trychophyton tonsurans*, *microsporum canis* species predominates in 244 positive culture tests out of total 1008 specimens collected during 2016-2017 years

Keywords : fungal disease, fungal culture, specimen

Profile :

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