Clinical characteristics of liver failure complicated with aspergillus infection

ZHAO Hong, WANG Hui-fen, YAN Tao, SU Haibin, LIN Fang, MENG Jin-song
(Department of Liver Failure Research and Treatment Center, No. 302 Hospital of PLA, Beijing 100039, China)

[Foundation Project]: Hainan Medical University Scientific Research Fund Supported Project of the Journal (0020120013)
[Author]: ZHAO Hong (1977-), Female, Yang xian Shanxi, Attending Physician, M.M., Tel: 13671067098, E-mail: zhaohong_302@sina.com.
[Correspondence to]: WANG Hui-fen, E-mail: wanghuifen@medmail.com.cn.

View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: The aim of this study is to analyze the clinical characteristics of patients infected with aspergillus. Methods: A total of 681 patients with liver failure complicated with fungus infection that were enrolled into our hospital during January 1985 to September 2009, and retrospective study on the data of 81 cases, who had aspergillus infection were conducted. Results: most of the 83 patients were middle aged male suffering from acute or chronic liver failure caused by HBV infection. Bacteria infection, more than half were gram-negative bacillus according to the culture result, could be found in peritoneal cavity. Patients infected with bacteria were often treated by combination of different antibiotics with a long course. Aspergillus infections were mainly nosocomial infection, mainly affect lung in human. Aspergillus fumigatus is more frequently involved, while Aspergillus niger and Aspergillus flavus infection is comparably rare. Conclusions: Patients with liver failure was in critical status with high mortality, considering the high incidence of complications, and difficulties in treatment, especially when Aspergillus occurred.

[KEY WORDS] Liver failure, Fungus, Aspergillus, Infection