A STUDY EFFECTS OF RIBAVIRIN ON THE WHITE BLOOD CELL SYSTEM AND PLAT LET IN PATIENTS WITH EPIDEMIC HEMORRHAGIC FEVER. Zhang Tian-ming1, John W. Huggins2, Hsiang Chin-min1, Thomas M. Cosgriff2, Joseph I. Smith2, Niu Chun-sheng1, 1 Virus Research Institute, Hubei Medical College, Hubei, Wuhan, China. 2 US Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD, USA.

In a double-blind, placebo-controlled clinical trial of ribavarin therapeutic efficacy in the treatment of epidemac hemorrhagic fever (EHF), two hundred and fourty-four cases of EHF were randomly divided into 2 groups; 126 cases were treated with ribavirin and 118 cases served as control. The white blood cell system and platelet count between ribavirin and placebo groups were compared with difference of stage, day, type. In the study group, the white blood cell and atype lymphocyte counts lowered, the platelet count were recovered much quicker. These results showed that ribavirin has ability of antiviral infections and definite effect in the treatment of EHF.

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IMPROVEMENT OF SOME HEMATCLOGICAL PARAMETERS IN THE RIBAVIRIN FREATED EPIDENIC HEMORRHAGIC FEVER PATMENTS IN HUBEL, CHINA. Lian-bin Kiang! Thomas M. Cosgriff? Chin-min Hsiang! 1 HUBEL REDICAL COLLEGE; WOCHARG, HUBEL, CHINA: 2 US ARMY MED, RESEARCH LISTITUTE OF TERECTICES DISEASES, FT DETRICK, FREDERICK, MARYLAUD, USA

Ribavirin is a broad spectrum antiviral agent. It has been proved that this agent can innibit different DMA and RMA viruses in vitro and in vivo. There are some reports on the treatment of epidemic hemorrhagic fever patients with ribavirin in china, but no much data concern the hemostatic or hemorrhagic mechanisms. In a study of 187 cases of And patients by double blind random controlled method with ribavirin, 92 cases were identified as ribavirin treated group and 95 cases as placebo control group after the code was open. Flasminogen(PLG), antithrombin-111 (AT-111), fibrinogen platelet(PLAT) count and fibrin degradation product (FDP) were meassured sepuentially. The results showed that PLG, AT-111, PLAT and FDP showed a significant change in the treatment group. This effective change may be due to inhibiting virus multiplication, decreasing antigen—antigen stimulation to induce antiboty production, decreasing antigen—antiboty complex formation, so as to improve the patient conditions. Fine study results showed that ribavirin was valuable in the treatment of Enf patients.