

3rd International Conference and Exhibition on Clinical & Cellular Immunology

September 29-October 01, 2014 DoubleTree by Hilton Baltimore-BWI Airport, USA

Treating AIDS patients with decompensated liver cirrhosis by autologous bone marrow transfusion

Baochi Liu, Chaogang Huang, Lei Li, Yanhui Si, Weiwei Zhang and Xinliu
Fudan University, China

Background: Decompensated liver cirrhosis is difficult to treat and liver cirrhosis with AIDS is more difficult to give effective treatment. Stem cell treatment brings the hope for the patients of AIDS with decompensated liver cirrhosis.

Methods: Splenectomy was performed in 8 AIDS patients with liver cirrhosis to alleviate portal venohypertension and avoid internal bleeding. During the surgical procedure, a catheter was placed in the superior mesenteric vein in preparation for bone marrow transfusion (BMT). 20 mL bone marrow was aspirated by puncture of the iliac crest (spiniliaca posterior superior) one week after surgery and transfused through the attached catheter into the portal vein. One or two doses of BMT were performed on each patient at a one month interval.

Result: Except diminishment of ascites and recovery of serum albumin levels, total white blood cells and platelet count was also significantly improved. Unexpectedly, one month after BMT, CD4+ T cell count in peripheral blood of all 8 patients began to increase significantly.

Conclusion: BMT for the AIDS patient with liver cirrhosis can promote liver function and immune reconstruction.

Biography

Baochi Liu received his PhD from Zhengzhou University in 2007. He received his BS in 1983. He has many peer-reviewed publications in reputed journals. His research interest includes general surgery, surgery infection and trauma. He is currently working as a Director and Professor in Department of Surgery, Shanghai Public Health Clinical Center Affiliated to Fudan University, Shanghai, China.

15001916546@163.com