

## 白血球增多不應是肝臟移植的禁忌症

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### **Leukocytosis is not the contraindication for liver transplantation.**

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#### **Purpose:**

Screening for latent infection before liver transplantation is important to prevent an exacerbation after liver transplantation under immunosuppressive agents. LT patients with bacteremia had poor survival outcome. Leukocytosis is the simple and unspecific sign of infection. The purpose of this study is to analyze leukocytosis as contraindication for liver transplantation whether or not.

#### **Materials and Methods:**

We enrolled 100 patients who underwent LT from 2013 to 2014. Of the 100 patients, 8% patients had positive blood culture first 3 months after LT, 43% had positive culture, including blood, sputum or urine, first 3 months after LT. Patients' demographic, clinical, and biochemical data were compared between LT Patient with positive blood culture (positive group) and with negative blood culture (negative group). All data were analyzed using the Mann-Whitney U test, chi-square test, , and Fisher's exact test.

#### **Results:**

White blood cell count is not significantly differed between positive group and negative group. There is not significant difference in hospital stay, intubation, or ICU stay, between two groups. Leukocytosis with/without colonization before LT doesn't affect neither culture result nor mortality after LT.

#### **Conclusion:**

Single parameter of white blood cell count should not being considered as contraindication for liver transplantation.