

# A Case of Living Donor Liver Transplantation for a Patient with Fulminant Hepatitis

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**Abstract :** We herein report a 30-year-old female with fulminant hepatitis who underwent a living donor liver transplantation (LDLT). She was admitted to our university hospital for acetaminophen-induced acute hepatitis. On the day 7, she rapidly progressed to grade III encephalopathy, and the laboratory values indicated a poor prognosis without transplantation. Therefore, LDLT was performed using a left hepatic lobe graft from her husband on day 11. After the operation, all her liver function test data improved. However, the patient had two biopsy-proven episodes of acute cellular rejection on the 21st and 27th day post-transplantation, both of which were responsive to the pulse intravenous administration of steroids. She was discharged on the 73rd postoperative day. The success of this case strongly support the belief that LDLT must be considered as an important therapeutic option for the treatment of fulminant hepatitis. This case and the other reports therefore strongly suggested that the optimal timing of liver transplantation for fulminant hepatitis may be important in order to save the life of the patients.

**Key words :** Acute hepatitis, Fulminant hepatitis, Living donor liver transplantation, Acute rejection of graft liver