

A Case of Native Hepatic Artery Pseudoaneurysm Following Liver Transplantation

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Abstract : Hepatic artery pseudoaneurysm (HAP) is a rare but life-threatening complication of liver transplantation. A 36-year-old female underwent a living related liver transplant (LRLT) for end-stage liver disease secondary to cirrhosis from Wilson's disease. Twenty-eight and 30 days after the LRLT, she developed massive bleeding from the intra-abdominal area. Exploratory surgery revealed no exact bleeding origin. Ten days after performing an exploratory laparotomy (40 days post LRLT), a pseudoaneurysm below the liver measuring 3.4cm in diameter was observed on ultrasonography. We performed a surgical repair at 63 days post-LRLT because of a progressive increase in the size of the HAP. Laparotomy revealed a hemorrhage at the native hepatic artery, which is an uncommon presentation. Surgical vascular repair was successfully performed, and the patient successfully left the hospital 70 days after the repair. Careful observations and evaluations yielded excellent clinical results in this case.

Key words : Liver transplantation, Hepatic artery pseudoaneurysm, Arterial complication, Liver surgery