First years of single-center experience in liver transplantation

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Background: Liver transplantation is one of the most effective treatments of end-stage benign liver diseases and early hepatocellular carcinoma within Milan criteria. An increasing pool of donor organs plays a major role in the treatment of more patients on the liver transplant waiting list. Currently, liver transplantation has been performed at our center with early satisfactory results.

Methods: A prospective cohort study was performed from June 2018 at University Medical Center at Ho Chi Minh City. Selective patients have been satisfied the criteria for liver transplantation.

Results: Overall survival rate after liver transplantation at 6 months, 12 months, 24 months, and 36 months is 82.4%, 47.1%, 23.5%, and 5.9%, respectively. The recurrent rate has been not recorded. Two cases died due to severe sepsis. Surgical complications have included hepatic arterial thrombosis (5.9%), portal stenosis (11.8%), middle hepatic venous thrombosis (23.6%), biliary leakage (5.9%), small intestinal perforation (5.9%), and splenic abscess after splenic arterial ligation (5.9%). In addition, internal matters have been recorded, such as graft rejection (11.8%), pneumonitis (11.8%), and renal failure (5.9%). All cases of graft rejection were responded with a high dose of corticosteroids. All cases considered, there were 16 cases of living donor liver transplantation and two cases of deceased donor liver transplantation. One of 16 cases of the living donor was suffered biliary leakage after hepatectomy and treated by endoscopic retrograde cholangiopancreatography with the stent. The mortality rate has not been recorded.

Conclusions: Results of liver transplantation show that satisfactory outcomes of overall survival, complications, morbidity, and mortality. In addition, living donor liver transplant procedure has brought in the safety of living donors and recipients based on the improving techniques of hepatectomy and more ability in the treatment of patients on the waiting list.

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