

Anesthetic Management of a Subject Donating a Liver : The First Case at Fukuoka University Hospital

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Abstract : We report anesthetic management of the first subject to donate a liver at Fukuoka University Hospital. A 34-year-old man underwent left hepatic lobectomy to donate a part of the liver to his father. Anesthesia was maintained with general anesthesia combined with epidural anesthesia. The tidal volume was lowered and the respiratory frequency was increased under limited intravenous infusion to maintain the central venous pressure at a low level to avoid excessive bleeding during the hepatic lobectomy. The surgery lasted 10 hours and 55 minutes and the anesthesia time was 14 hours. The estimated blood loss was 500 g. The subject was discharged without any complications related to anesthesia or surgery 19 days after the donation of the liver.

Key words : Living liver transplantation, Donor, Hepatectomy