

学位論文審査結果の要旨

所 属	三重大学大学院医学系研究科 乙 生命医科学専攻 臨床医学系講座 肝胆膵・移植外科学分野	氏 名	新賀 達
審 査 委 員	主 査 今中 恭子 副 査 高尾 仁二 副 査 中川 勇人		
(学位論文審査結果の要旨) Clinical Significance of Plasma Tenascin-C Levels in Recipients With Prolonged Jaundice After Living Donor Liver Transplantation 【主論文審査結果の要旨】 著者らは論文において下記の内容を述べている。 Background: Focusing on tenascin-C (TNC), whose expression is enhanced during the tissue remodeling process, the present study aimed to clarify whether plasma TNC levels after living donor liver transplantation (LDLT) could be a predictor of irreversible liver damage in the recipients with prolonged jaundice (PJ). Methods: Among 123 adult recipients who underwent LDLT between March 2002 and December 2016, the subjects were 79 recipients in whom we could measure plasma TNC levels preoperatively (pre-) and on postoperative days 1 to 14 (POD1 to POD14). Prolonged jaundice was defined as serum total bilirubin level >10 mg/dL on POD14, and 79 recipients were divided into 2 groups: 56 in the non-PJ (NJ) group and 23 in the PJ group. Results: The PJ group had significantly increased pre-TNC; smaller grafts; decreased platelet counts POD14; increased TB-POD1, -POD7, and -POD14; increased prothrombin time-international normalized ratio on POD7 and POD14; and higher 90-day mortality than the NJ group. As for the risk factors for 90-day mortality, multivariate analysis identified TNC-POD14 as a single significant independent prognostic factor (P = .015). The best cut-off value of TNC-POD14 for 90-day survival was determined to be 193.7 ng/mL. In the PJ group, the patients with low TNC-POD14 (<193.7 ng/mL) had satisfactory survival, with 100.0 % at 90 days, while the patients with high TNC-POD14 (≥193.7 ng/mL) had significantly poor survival, with 38.5 % at 90 days (P = .004). Conclusions: In PJ after LDLT, plasma TNC-POD14 is very useful for diagnosing postoperative irreversible liver damage early.			

以上のように本論文は、生体肝移植後に黄疸が遷延したレシピエントにおける血漿中テネイシン-C濃度の臨床的意義を解明した大変貴重な研究で、学術上極めて有益であり、学位論文として価値あるものと認めた。

Transplantation Proceedings;55(4):913-923.

Published : March 25, 2023

doi:10.1016/j.transproceed.2023.01.028

Toru Shinkai, Naohisa Kuriyama, Masanobu Usui, Aoi Hayasaki,
Takehiro Fujii, Yusuke Iizawa, Akihiro Tanemura, Yasuhiro
Murata, Masashi Kishiwada, Daisuke Katoh, Takeshi Matsumoto,
Hideo Wada, Toshimichi Yoshida, Shuji Isaji, and Shugo Mizuno