TITLE:

Does a positive lymphocyte cross-match contraindicate living-donor liver transplantation?

AUTHOR(S):

Hori, Tomohide; Uemoto, Shinji; Takada, Yasutsugu; Oike, Fumitaka; Ogura, Yasuhiro; Ogawa, Kohei; Miyagawa-Hayashino, Aya; ... Hori, Yukinobu; Chen, Feng; Egawa, Hiroto

CITATION:

Hori, Tomohide ...[et al]. Does a positive lymphocyte cross-match contraindicate living-donor liver transplantation?. Surgery 2010, 147(6): 840-844

ISSUE DATE:

2010-06

URL:

<http://hdl.handle.net/2433/120345>

RIGHT:

© 2010 Elsevier B.V.; この論文は出版社版ではありません。引用の際には出版社版をご確認ご利用ください。; This is not the published version. Please cite only the published version.

Table 1. Univariate and multivariate analyses of each factor for LDLT outcomes

Univariate analysis		<i>p</i> values
Early deaths after LDLT (<i>n</i>=276)		
LCM-positive and ABO-identical/compatible	vs. LCM-negative and ABO-identical/compatible	0.0119 *
LCM-negative and ABO-incompatible	vs. LCM-negative and ABO-identical/compatible	0.2886
LCM-positive and ABO-incompatible	vs. LCM-negative and ABO-identical/compatible	0.5568
Multivariate analysis		<i>p</i> values
Factors before and during LDLT for the outcomes (<i>n</i>=1157)		
Recipient age (years)		<0.0001 *
Disease (benign vs. malignant)		<0.0001 *
MELD/PELD scores (points)		<0.0001 *
LCM (positive vs. negative)		0.0320 *
ABO compatibility (incompatible vs. identical/compatible)		0.0010 *
Donor age (years)		0.1534
Cold ischemic time (min)		0.3375
Operative time (min)		0.2390
Blood loss (ml)		0.0601
GRWR		0.0004 *
Effects of LCM and ABO compatibilities on the survival rates after LDLT (<i>n</i>=1121)		
LCM (positive vs. negative)		0.0006 *
ABO compatibility (incompatible vs. identical/compatible)		<0.0001 *
Synergetic effect between both factors		0.1755

Note: *Statistically significant ($p < 0.05$).

Abbreviations: GRWR, graft-recipient weight ratio; LCM, lymphocyte cross-match; LDLT, living-donor liver transplantation; MELD, model for end-stage liver disease; PELD, pediatric end-stage liver disease.