Alkoholihepatiitti maksansiirron aiheena

Johanna Savikko, dosentti, erikoislääkäri

Elinsiirto- ja maksakirurgia, HUS Vatsakeskus

SHOULD WE OFFER TRANSPLANTATION TO PATIENTS NOT RESPONDING TO STEROIDS?

ORIGINAL ARTICLE

Early Liver Transplantation for Severe Alcoholic Hepatitis

Philippe Mathurin, M.D., Ph.D., Christophe Moreno, M.D., Ph.D.,
Didier Samuel, M.D., Ph.D., Jérôme Dumortier, M.D., Ph.D., Julia Salleron, M.S.,
François Durand, M.D., Ph.D., Hélène Castel, M.D., Alain Duhamel, M.D., Ph.D.,
Georges-Philippe Pageaux, M.D., Ph.D., Vincent Leroy, M.D., Ph.D.,
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Emmanuel Boleslawski, M.D., Ph.D., Valerio Lucidi, M.D., Thierry Gustot, M.D., Ph.D.,
Claire Francoz, M.D., Christian Letoublon, M.D., Denis Castaing, M.D.,
Jacques Belghiti, M.D., Vincent Donckier, M.D., Ph.D.,
François-René Pruvot, M.D., and Jean-Charles Duclos-Vallée, M.D., Ph.D.

N ENGL J MED 365;19 NEJM.ORG NOVEMBER 10, 2011

Potilaat

26 potilasta, 7 keskusta, 8/06-6/10

ei vastetta konservatiiviselle hoidolle

median MELD score 34 Tx päätöksen yhteydessä

Tx päätös median 13 vrk lääkehoidon jälkeen

Tx median 9 vrk

Vaatimukset



EI AIEMPIA VIITTEITÄ ALKOSAIRAUKSISTA



NOPEA MAKSAN HUONONEMINEN LÄÄKEHOIDOSTA HUOLIMATTA



LÄHIOMAISTEN TUKI



EI MUITA SAIRAUKSIA



ABSTINENSSI-LUPAUS

6 kuukauden eloonjäänti

- 77±8% vs. 23±8% controls, p< 0.001
- 90% kontrollien kuolemista tapahtui 2kk sisällä konservatiivisen hoidon epäonnistumisesta
- tx-kuolemat pääasiassa infektiopohjalta (5/6), invasiivinen aspergillus 4/6 potilaalla

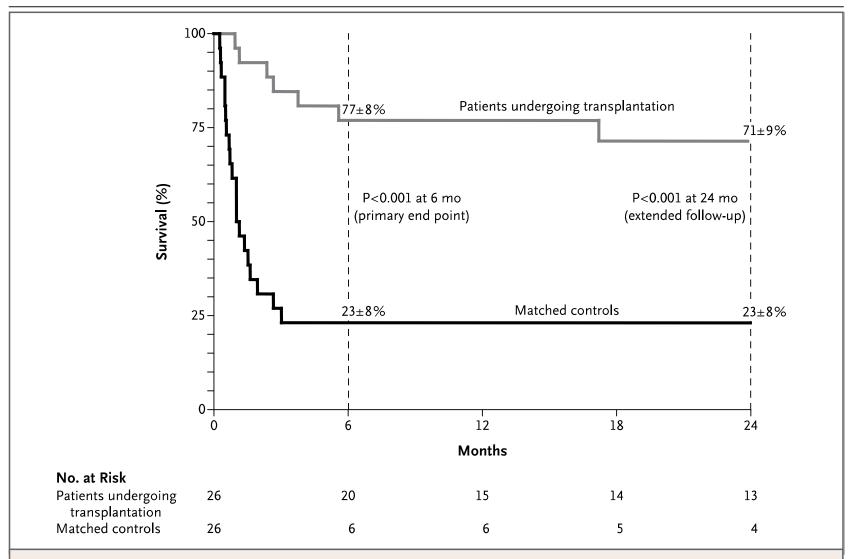


Figure 1. Kaplan-Meier Estimates of Survival in the 26 Study Patients and the 26 Best-Fit Matched Controls.

Alkon käyttö

- ei alkorelapseja 6kk seurannassa
- 3 myöhempää retkahdusta: 720d, 740d, 1140d
- 2 jatkoi päivittäistä käyttöä, 1 satunnainen käyttäjä
- retkahtaneilla ei seurannassa merkkejä siirteen huononemisesta (??)

CONCLUSIONS

Early liver transplantation can improve survival in patients with a first episode of severe alcoholic hepatitis not responding to medical therapy. (Funded by Société Nationale Française de Gastroentérologie.)

Transplantation for Alcoholic Hepatitis — Time to Rethink the 6-Month "Rule"

Robert S. Brown, Jr., M.D., M.P.H.

N ENGLJ MED 365;19 NEJM.ORG NOVEMBER 10, 2011

Table 1. Prospective and retrospective studies of liver transplantation for alcoholic hepatitis

Study first author	Year published	Study design	Number with AH	Relapsers	Survival
Mathurin et al. [11]	2011	Prospective, multisite, AH with vs. without transplant	26	3/26 (11.5%)	6 month: $77 \pm 8\%$
Singal et al. [12]	2012	Retrospective, multisite, AH vs. AC	46	Unknown	5 year: 75%
lm <i>et al.</i> [13 ""]	2016	Prospective, single site, AH with vs. without transplant	9	1/8 (12.5%)	6 month: 89%
Cholankeril et al. [14*]	2016	Retrospective, multisite, AH vs. other acute liver failure	97	Unknown	1 year: 82.5%
Lee <i>et al.</i> [15**]	201 <i>7</i>	Prospective, single site, AH vs. AC	17	4/17 (23.5%)	6 month: 100%

AC, alcoholic cirrhosis; AH, alcoholic hepatitis.

Schneekloth et al. Curr Opin Organ Transpl 2017

Table 2. Inclusion and exclusion criteria comparison in three prospective studies of liver transplantation for alcoholic hepatitis

Criteria	Mathurin et al. [11]	Im <i>et al.</i> [13**]	Lee <i>et al.</i> [14 ^{**}]
Condition	AH with nonresponse to medical therapy	AH with nonresponse to medical therapy	AH with nonresponse to medical therapy
Coexisting disorders Absence of severe coexisting or psychiatric disorders		Recent infection or GI bleeding did not preclude consideration	Free of severe comorbid disease; recent infection or GI bleed did not preclude consideration
Duration of liver disease	First liver-decompensating event	First liver-decompensating event	First liver decompensation
Support system Presence of close supportive family members		Presence of good social support	Strong familial social support
Abstinence motivation	Agreement to lifelong total alcohol abstinence	Signed agreement to lifelong alcohol abstinence	Able to commit to lifelong alcohol abstinence
Relapse risk	Interviewers included a specialist in addictions	Favorable psychosocial profile suggesting a low risk of alcohol relapse	Rigorous assessment of risk factors for relapse by specialist
Levels of review	Four medical team circles of review: complete consensus	Consensus of institutional selection committee	Full consensus agreement by transplant committee
Percentage of patients with AH selected for transplant	Less than 2%	9.6%	2.3%

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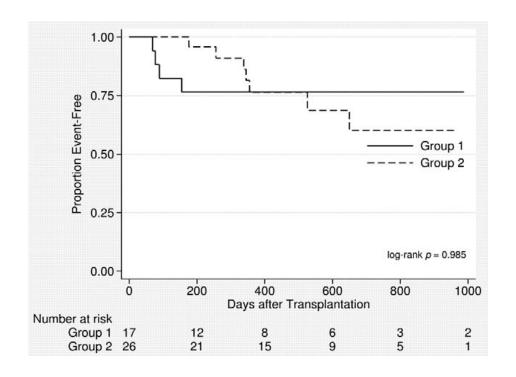
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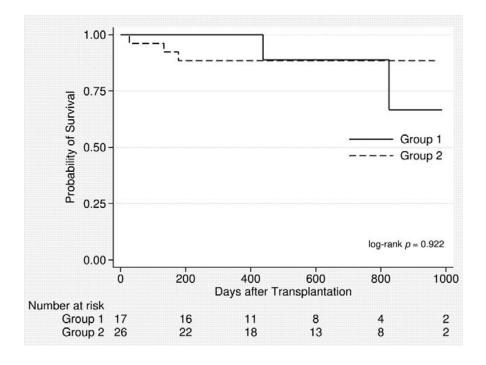
Three-year Results of a Pilot Program in Early Liver Transplantation for Severe Alcoholic Hepatitis

Brian P. Lee, MD,* Po-Hung Chen, MD,* Christine Haugen, MD,† Ruben Hernaez, MD, PhD,*
Ahmet Gurakar, MD,* Benjamin Philosophe, MD, PhD,†
Nabil Dagher, MD,† Samantha A. Moore, BA,† Zhiping Li, MD,* and
Andrew M. Cameron, MD, PhD†

Annals of Surgery • Volume 265, Number 1, January 2017

Group 1. Ac alc hep Group 2. Alci > 6mo abstinence





Abstinence

Survival

TABLE 4. Patient Outcomes

	Acute Alcoholic Hepatitis Group 1 $(n = 17)$	Alcoholic Cirrhosis, \geq 6 Month Abstinence Group 2 (n = 26)	P
Follow-up –median (SD)	1.5 (0.86)	1.6 (0.86)	0.89
Posttransplant hospital stay – days – median (min-max)	18 (7–51)	12.5 (4–133)	0.38
6-Month survival – no. (%)	17 (100)	23 (88.5)	0.27
Any alcohol relapse – no. (%)	4 (23.5)	7 (29.2)*	>0.99
Alcohol relapse with harmful patterns – no. $(\%)^{\dagger}$	4 (23.5)	3 (11.5)*	0.42

^{*}Excluding two patients who died during the immediate postoperative period.

†Harmful patterns defined as presence of alcohol relapse with binge (6 units of alcohol for men, 4 units for women in a single day) or frequent patterns (any alcohol consumption on 4 days in 1 week).

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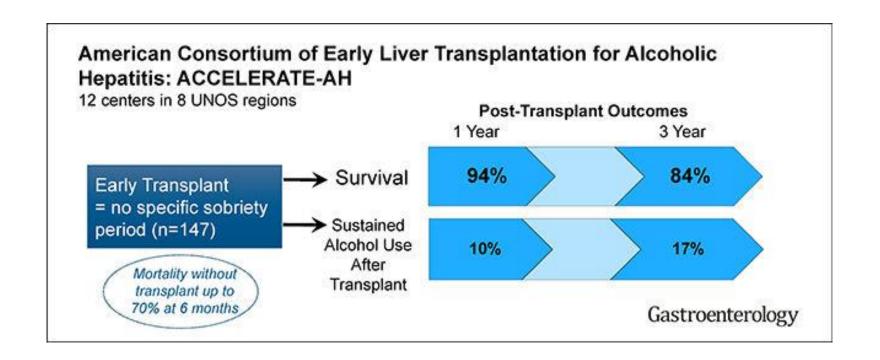
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Conclusions: In this pilot with carefully selected patients, early liver transplant provided excellent short-term survival, and similar rates of alcohol relapse compared with patients with 6 months of abstinence. Harmful patterns of relapse remain challenging in this population, highlighting the need for validated models to predict alcohol relapse, and need for extreme caution in selecting patients for this exceptional indication. Larger prospective studies and longer follow up are necessary.

Outcomes of Early Liver Transplantation for Patients With Severe Alcoholic Hepatitis

Brian P. Lee¹, Neil Mehta¹, Laura Platt², Ahmet Gurakar², John P. Rice³, Michael R. Lucey³, Gene Y. Im⁴, George Therapondos⁵, Hyosun Han⁶, David W. Victor⁷, Oren K. Fix⁸, Lisanne Dinges⁸, Deepti Dronamraju⁹, Christine Hsu¹⁰, Michael D. Voigt¹¹, Mary E. Rinella¹², Haripriya Maddur¹², Sheila Eswaran¹³, Jessica Hause¹³, David Foley³, R. Mark Ghobrial⁷, Jennifer L. Dodge¹, Zhiping Li², and Norah A. Terrault¹

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The Role of Liver Transplantation in Alcoholic Hepatitis

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Michelle Ma, MD¹, Katie Falloon, MD², Po-Hung Chen, MD¹, Behnam Saberi, MD¹, Aliaksei Pustavoitau, MD³, Elif Ozdogan¹, Zhiping Li, MD¹, Benjamin Philosophe, MD⁴, Andrew M. Cameron, MD⁴, and Ahmet Gurakar, MD¹

TIL 3 D'I E	35.129-
Risk Factors and Protective Factors for Al	cohol Relapse After Liver Transplantation in Patients With Alcoholic Liver Disease. ^{35,129} - Protective Factors Against Alcohol Relapse
Shorter pretransplant abstinence	Longer pretransplant abstinence
Younger age at time of LT	Older age at time of LT
Lack of social support	Presence of cohabitating partner or marriage
Family history of alcohol abuse	
Comorbid psychiatric condition	
Prior nonadherence to treatment	
Tobacco use	

strategies for severe AH. The limited supply of available organs necessitates a need for careful selection of candidates, but the exact optimal criteria have yet to be fully elucidated. Alcohol relapse also remains a major challenge therefore, resources dedicated to early detection and intervention are critical in the posttransplant follow-up period.

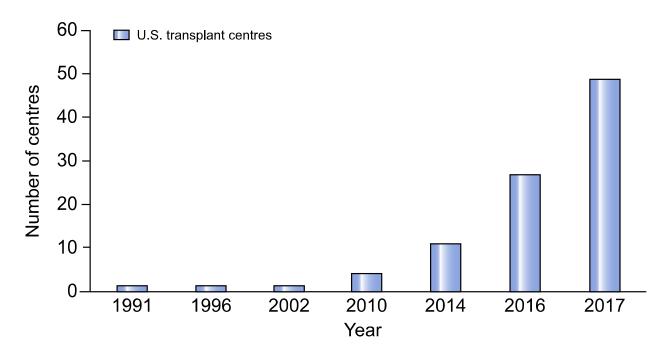


Fig. 1. Centres having performed liver transplantation for alcoholic hepatitis in the United States over time. Data based on references^{2,14–15,26–28,48} and unpublished data.

Impact of a First Study of Early Transplantation in Acute Alcoholic Hepatitis: Results of a Nationwide Survey in French Liver Transplantation Programs

ANTONINI ET AL. LIVER TRANSPLANTATION, June 2018

TABLE 1. Survey Items and Results

	Yes	No
Regarding AAH, were there any changes to its management after 2011?	88%	12%
Since 2011, have you considered AAH to be a potential indication for LT?	97%	3%
Regarding AAH, have there been any changes to the management of LT for alcoholic cirrhosis since 2011?	88%	12%
Did you perform LT for AAH in your center before 2011?	35%	65%
Have you performed LT for AAH in your center since 2011?	71%	29%
Are alcoholic patients with cirrhosis systematically evaluated by an addiction specialist during the pretransplant workup (before and after 2011)?	76%/100%	24%/0%

TABLE 1.	Survey	Items	and	Results
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Have you performed LT for AAH in your center since 2011?

Are alcoholic patients with cirrhosis systematically evaluated by an addiction specialist during the pretransplant workup (before and after 2011)?

Yes	No
88%	12%
97%	3%
88%	12%
050/	0504
35%	65%
71%	29%
76%/100%	24%/0%

Pitäisikö hoitokäytäntöjä muuttaa Suomessa???