

Accepted Manuscript

Adult hepatocytes direct liver organogenesis through non-parenchymal cell recruitment in the kidney

Rie Utoh, Junji Komori, Hiroyuki Kuge, Kohei Tatsumi, Masumi Yamada, Shinji Hirohashi, Masahiro Tsutsumi, Toshihiro Amanuma, Akira Yoshioka, Yoshiyuki Nakajima, Kenjiro Wake, Teruo Okano, Eric Lagasse, Kazuo Ohashi

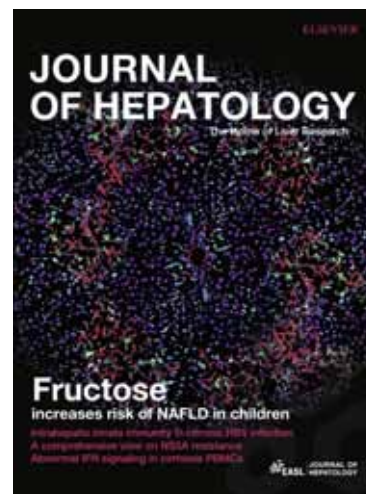
PII: S0168-8278(17)32531-X
DOI: <https://doi.org/10.1016/j.jhep.2017.12.016>
Reference: JHEPAT 6800

To appear in: *Journal of Hepatology*

Received Date: 15 June 2017
Revised Date: 18 December 2017
Accepted Date: 19 December 2017

Please cite this article as: Utoh, R., Komori, J., Kuge, H., Tatsumi, K., Yamada, M., Hirohashi, S., Tsutsumi, M., Amanuma, T., Yoshioka, A., Nakajima, Y., Wake, K., Okano, T., Lagasse, E., Ohashi, K., Adult hepatocytes direct liver organogenesis through non-parenchymal cell recruitment in the kidney, *Journal of Hepatology* (2017), doi: <https://doi.org/10.1016/j.jhep.2017.12.016>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Adult hepatocytes direct liver organogenesis through non-parenchymal cell recruitment in the kidney

Rie Utoh,^{1,2} Junji Komori,³ Hiroyuki Kuge,⁴ Kohei Tatsumi,¹ Masumi Yamada,² Shinji Hirohashi,⁵ Masahiro Tsutsumi,⁶ Toshihiro Amanuma,⁷ Akira Yoshioka,⁸ Yoshiyuki Nakajima,⁴ Kenjiro Wake,⁹ Teruo Okano,¹ Eric Lagasse,³ and Kazuo Ohashi,^{1,10,*}

¹Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, Tokyo, Japan

²Department of Applied Chemistry and Biotechnology, Graduate School of Engineering, Chiba University, Chiba, Japan

³Department of Pathology, McGowan Institute for Regenerative Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

⁴Department of Surgery, Nara Medical University, Nara, Japan

⁵Department of Radiology, Nara Medical University, Nara, Japan

⁶Department of Pathology, Saiseikai Chuwa Hospital, Nara, Japan

⁷Research Center, Nihon Nohyaku Co., Ltd., Osaka, Japan

⁸Nara Medical University, Nara, Japan

⁹Liver Research Unit, Minophagen Pharmaceutical Co., Ltd., Tokyo, Japan

¹⁰Laboratory of Drug Development and Science, Graduate School of Pharmaceutical Sciences, Osaka University, Osaka, Japan

***Corresponding Author:** Kazuo Ohashi, M.D., Ph.D.,

Laboratory of Drug Development and Science, Graduate School of Pharmaceutical Sciences, Osaka University, 1-6 Yamadaoka, Suita, Osaka 565-0871, Japan

E-mail: ohashikazuo@hotmail.com

Tel: +81-6-6879-8144

Keywords: Ectopic site; Neo-liver; Non-parenchymal cells; Hepatocytes; Liver injury; Organogenesis

Download English Version:

<https://daneshyari.com/en/article/8729171>

Download Persian Version:

<https://daneshyari.com/article/8729171>

[Daneshyari.com](https://daneshyari.com)