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2016/8/30

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 28716-edited.doc).



Title: Hepatocytes isolation from resected tissues with benign disease: results of a 5-year experience.

Author: Fan-Ying Meng, Li Liu, Jun Liu, Chun-You Li, Jian-Ping Wang, Feng-Hui Yang, Zhi-Shui Chen, Ping Zhou

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 28716

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) **Reviewed by** 02860705: The manuscript is well written. The study conducted for 5 years is well described and the results are clear and explain in a good manner the target of the author's research.

Answer: Thanks a lot for your comments. Just as you said, we retrospectively analyze a 5-year experience of human hepatocyte isolation from surgically resected normal tissue and established an efficient technique for the special kind of liver samples for large-scale human hepatocyte isolation. Our study represents the largest number of primary human hepatocytes isolated from resected specimens from patients with benign liver disease. We evaluated the effect of donor liver characteristics on cell isolation, and we found that samples of liver hemangioma can get better results in terms of cell yield than intrahepatic duct calculi. Furthermore, the size of the tissues can affect the outcome of hepatocyte isolation. The aim of our study was to rescue resected healthy liver tissue that would be otherwise discarded, for hepatocyte isolation.

Special thanks to you for your good comments! Your valuable opinion is greatly appreciated.

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

Institute of Organ Transplantation, Division of Hepatobiliary Pancreatic Surgery, Provincial Hospital affiliated to Shandong University, Jinan 250021, China.

Fanying Meng



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