

ETHICS-RELATED STATEMENTS

Name of journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 29708

Columns: ORIGINAL ARTICLE

Basic Study

Mitochondrial Carnitine Palmitoyl Transferase-II Inactivity Aggravates Lipid Accumulation in Rat Hepatocarcinogenesis

Gu JJ *et al.* CPT-II in NAFLD

Juan-Juan Gu, Min Yao, Jie Yang, Yin Cai, Wen-Ji Zheng, Li Wang, Deng-Bing Yao, Deng-Fu Yao

Juan-Juan Gu, Wen-Ji Zheng, Deng-Fu Yao, Research Center of Clinical Medicine, Affiliated Hospital of Nantong University, Nantong 226001, Jiangsu Province, China

Min Yao, Departments of Immunology, Medical College of Nantong University, Nantong 226001, Jiangsu Province, China

Jie Yang, Pharmacy College of Nantong University, Nantong 226001, Jiangsu Province, China

Li Wang, Department of Medical Informatics, Medical College of Nantong University, Nantong 226001, Jiangsu Province, China

Deng-Bing Yao, Departments of Biochemistry, School of Life Science, Nantong University, Nantong 226001, Jiangsu Province, China

Yin Cai, Department of Oncology, Affiliated Hospital of Nantong University, Nantong 226001, Jiangsu Province, China

Author contributions: Gu JJ, Yao M, and Zheng WJ contributed equally to this work; Yao M, Gu JJ, and Wang L designed and performed the research; Cai Y, Yang J, and Yao DB contributed new reagents/analytic tools; Wang L, Zheng WJ, and Yao M analyzed the data; Gu JJ and Yao DF wrote the paper; Yao DF is the guarantor. All authors have read and approved the final version to be published.

Supported by the Projects of the National Natural Science Foundation (No: 81673241, 81200634, 81370982); the program of Jiangsu Key Research Plan (BE2016698), and the International Science& Technology Cooperation Program (2013DFA32150) of China

Institutional review board statement: The study was reviewed and approved by the Affiliated Hospital of Nantong University, China.

Ethics approval: We would like to submit the enclosed revised manuscript to *World J Gastroenterol*. The title of the manuscript is: **Mitochondrial Carnitine Palmitoyl Transferase-II Inactivity Aggravates Lipid Accumulation in Rat Hepatocarcinogenesis** By Juan-Juan Gu, Min Yao, Jie Yang, Yin Cai, Wen-Ji Zheng, Li Wang, Deng-Bing Yao, and Deng-Fu Yao. We hereby certify that this paper consists of original, unpublication elsewhere, and we hope that this is acceptable for publication in *World J Gastroenterol*.

Correspondence to: Prof. **Deng-Fu Yao**, M.D. & Ph.D., Research Center of Clinical Medicine, Affiliated Hospital of Nantong University, 20 West Temple Road, Nantong, 226001, Jiangsu Province, China. Tel: +86-513-85052297; Fax: +86-513-85052523; E-mail: yaodf@ahnmc.com

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Core tip: Nonalcoholic fatty liver disease (NAFLD) has been one of the main risk factors for HCC except for chronic infection with HBV or HCV as well as other non-viral liver diseases. However, the pathogenesis of NAFLD formation still need to be elucidated. We

have successfully investigated the dynamic alteration of CPT-II expression located on mitochondrial inner membrane during malignant transformation of rat hepatocytes under lipid accumulation and first discovered that the progressively decreasing of CPT-II expression in hepatocarcinogenesis might lead to abnormal hepatic lipid accumulation and promote the malignant transformation of hepatocytes.

Gu JJ, Yao M, Yang J, Cai Y, Zheng WJ, Wang L, Yao DB, Yao DF. Mitochondrial Carnitine Palmitoyl Transferase-II Inactivity Aggravates Lipid Accumulation in Rat Hepatocarcinogenesis. *World J Gastroenterol* 2016;

Dengfu Yao, MD. & PhD. Prof.

Research Center of Clinical Medicine,
Affiliated Hospital of Nantong University,
20 West Temple Road, Nantong, 226001,
Jiangsu Province, China.
yaodf@ahnmc.com.
Telephone: +86-513-85052297
Fax: +86-513-85052523

