

ETHICS-RELATED STATEMENTS

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Basic Study

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

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

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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.

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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.

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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.

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