

Institutional Animal Care and Use Committee (IACUC) statement

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 14644

Title: Hydrogen-rich water protects against acetaminophen-induced hepatotoxicity in mice

(Former: Protective effect of hydrogen-rich water against acetaminophen-induced hepatotoxicity in mice via inhibition of oxidative stress and promoting liver regeneration)

Authors List: Jingyao Zhang, Sidong Song, Qing Pang, Ruiyao Zhang, Yong Wan, Dawei Yuan, Qifei Wu, Chang Liu

Correspondence To: Chang Liu, Professor, MD, PhD, Department of Hepatobiliary Surgery, The First Affiliated Hospital of Xi'an Jiaotong University College of Medicine, Xi'an 710061, China. E-mail: liuchangdoctor@163.com

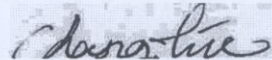
Institutional Animal Care and Use Committee (IACUC) statement

All procedures involving animals were reviewed and approved by the Institutional Animal Care and Use Committee of the The First Affiliated Hospital of Xi'an Jiaotong University College of Medicine. IACUC protocol number: NO.XJTULAC2014-207.

Thanks very much,

Yours sincerely,

Chang Liu, Professor, M D, Ph.D



Medical College,

Xi'an Jiaotong University,

Xi'an, Shaanxi Province, China

西安交通大学动物实验伦理审查批准书

No. XJTULAC2014-207

Xi'an Jiaotong University Approval for Research Involving Animals

批准日期 (App. Date): 2014年1月3日 (YY-MM-DD):

项目主持人姓名 Name of Principal Investigator	刘昌 Chang Liu	申请单位 Department	西安交通大学第一附属医院 The First Affiliated Hospital of Xi'an Jiaotong University
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课题名称 Project Title	氢气水治疗对乙酰氨基酚所致肝损伤的研究 Hydrogen-rich water protects against acetaminophen-induced hepatotoxicity in mice
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课题来源和批号 (Funding Source & Number)	自筹
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使用动物情况 Animal Requirements	动物来源 Source	西安交通大学医学部	品种品系 Species or Strains	C57BC/L
	数量 Quantity 60 只 (♀ 只; ♂ 60只)			
	计划开始日期 (Proposed Date of Commencement)	2013-10-12	计划结束日期 (Proposed Date of Completion)	2014-09-30

审查项目 Considerations Ethical	<p>1. 该项目的实施是否符合 NIH 和学校动管会相关规定。(Are all procedures to be performed in accordance with the 'Principles of Laboratory Animal Care'(NIH) and guidelines of the laboratory animal care committee of Xi'an Jiaotong University.)</p> <p>2. 所使用的动物品种、等级、规格是否合适, 使用数量的计算依据。(The species, strains, grade, specification and number of the animals to be used should be justified.)</p> <p>3. 能否通过改良设计方案替代或减少使用所用动物。(Rational for animal use should be justified, including the alternatives to animal use, a refined study design to replace or reduce animal number to be used..)</p> <p>4. 实验操作中是否善待动物, 包括合理的实验终点, 麻醉方案, 不麻醉的理由及减少相应动物痛苦的措施, 实验结束动物的处理, 动物安乐死方案等。(Appropriate animal care and handling throughout the experiment, including a scientific sound endpoint; anesthetics, analgesics, sedatives or tranquilizers that are to be used; explanation for any procedure cause unrelieved pain or distress; disposition of animals at end of study; and euthanasia criteria and method.)</p> <p>5. 是否使用对人体或环境有害试剂, 有潜在感染性试剂, 放射性物质, 是否使用遗传修饰试剂, 是否进行遗传操作, 相应的防护措施。(Are the materials to be used harmful or toxic? Are there any radioactive agents, infectious agents, genetic modified agents, and the genetic manipulation to be used in the experiment? If yes, the safety measures should be specified.)</p>
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实验动物管理委员会意见 Comments of the laboratory animal care committee

代表签名:

Name of Ethics Committee Representative

Date: 2014-1-3