



实验动物伦理审查表

Experimental animal ethics review sheet

申请日期: 2015 年 1 月 16 日 Application Date 2015-01-16

项目名称(Title of project): miR-30b inhibits autophagy to alleviate hepatic ischemia-reperfusion injury via decreasing the Atg12-Atg5 conjugate

项目负责人(Person in charge): 张建军 (Jianjun Zhang) 单位 (Institute): 天津医科大学一中心临床学院 (First Central Clinical College of Tianjin Medical University)

项目联系人(Contacts): 张建军 (Jianjun Zhang) 单位 (Institute): 天津医科大学一中心临床学院 (First Central Clinical College of Tianjin Medical University); Fax: + 86 2223626600; 信箱 (E-mail): zhangjianjun9999@yeah.net

研究者(Researcher): Shipeng Li, Jindan He, Zhen Wang, Yao Yu, Haimingzhang, Jianjun Zhang, Zhongyang Shen

请求审查类型(Application type): ☒ 申请项目 Application project ☐ 批准后项目 After the approval of the project ☐ 延续项目 The extension project ☐ 委托项目 Entrusted project

研究项目来源 (Project sources): 国家高技术研究发展计划 (863) 项目 (2012AA021001); 国家自然科学基金项目 (81270554, 81270554, 81400680); 卫生公益性行业科研专项 (201302009); 国家临床重点专科建设项目 (器官移植) (201354409); (National High Technology Research and Development Program(863) of China, No. 2012AA021001; National Natural Science Foundation of China, No.81170443, 81270554 and 81400680; Special Fund for Health Research in the Public Interest of China, No.201302009; National key specialty construction of clinical projects, No.201354409)。

递交审查资料 (Submit a review of information)

☒ 实验方案 Experimental scheme ☐ 其他资料 Other information

包括: 试验用品安全性资料、生产企业资质证明、试验用品提供者的资质证明。

动物实验方案摘要 (The abstract of the experimental animal scheme)

我们依据 3R 原则设计实验, 在实验中充分考虑动物福利。我们的实验需要使用 42 只 C57BL/6 小鼠。在这项研究中, 我们在天津医科大学首先应用血管夹夹闭肝左、中叶脉管 (门脉、动脉与胆道) 的共干, 以实现 70% 的肝脏缺血 1h, 随后关腹再灌注; 经深度麻醉将小鼠处死, 获取肝脏。

We design experiments based on the 3Rs principles. In full consideration of animal welfare. We need to use 42 mice. In this project. The rat are deeply anesthetized and euthanized with an overdose of 10% chloral hydrate intraperitoneally. Subsequently, The segmental (70%) hepatic ischemia model was performed according to that described previously, and the mice in the IR group were divided by reperfusion times.

伦理委员会审查意见 (Opinions of the Ethics Committee)

本设施的环境条件符合中国国家标准《实验动物环境及设施》(GB14925-2001) 对屏障动物实验设施的有关标准, 动物饲养管理和动物实验操作符合《天津市实验动物管理条例》等法规的要求。

因此我们批准按上述方案进行动物实验。

This housing facility is a barrier housing facility, and it is in keeping with national standard 《Laboratory Animal-Requirements of Environment and Housing Facilities》(GB 14925-2001). The care of laboratory animal and the animal experimental operation conform to 《Tianjin Administration Rule of Laboratory Animal》, et al.

Thus the Institutional Animal Care and Use Committee (IACUC) approved the use of the animals in the proposal.

天津医科大学动物伦理委员会

Experimental Animal Ethics Committee
(Institutional Animal Care and Use Committee, IACUC)

Tianjin Medical University

2015-01-18