

# 河北联合大学动物实验伦理审查表

Animal Experimental Ethical Inspection Form  
of Hebei United University

编号 (No): 201206

申请人填写的相关信息 (Related information filled by applicant)	申请单位 Name of organization		College of Basic Medical Sciences, Hebei United University, Tangshan 063000, China		
	经费来源 Funding source		The Natural Science Foundation of China, No. 81170409		
	申请人 Applicant		Yongzhan Zhen		
	联系电话 Telephone		15176670067		
	申请日期 Application date		2012 年 03 月 16 日		
	实验名称 Experiment title		Protective effect of bicyclol on hepatic fibrosis in rats		
	拟实验时间 Experiment date		2012 年 03 月 16 日 至 2012 年 04 月 07 日		
	实验设施合格证编号 Number of Experimental Facilities certification		SYXK(冀)2010-0038		
	使用动物情况	动物来源 Source of animal	Institute of Laboratory Animal Science	质量合格证编号 Number of Quality certification	SCXK(京 2009-0004)
		品种品系 Species of strain	Sprague-Dawl+ey	等级 Grade	SPF
数量 Number		♂ 21 只、♀ 只, 共 21 只	规格 Specifications	180-220 g	
<p>To evaluate the protective effect of bicyclol on bile duct ligation (BDL)-induced hepatic fibrosis in rats. Sprague-Dawley male rats underwent BDL, and sham-operated animals were used as healthy control. BDL rats were divided into two groups, which orally received distilled PBS or bicyclol for consecutive two weeks. Serum, urine and bile were collected for biochemical determination. Liver tissues were assembled for histological analysis and whole genome oligonucleotide microarray assay. RT-PCR and Western blot were used to verify the expression of liver fibrosis related genes. At the end of the experiment, we practice euthanasia on rats. And the animal protocol was designed to minimize pain or discomfort to the animals.</p>					

<p>Announcement of applicant 申请者声明</p>	<p>我将自觉遵守实验动物福利伦理原则，随时接受实验动物伦理委员会的监督与检查，如违反规定，自愿接受处罚。 I will abide by the rules of animal experimental ethics, accept the supervision and inspection of the animal experimental ethics committee, and accept the punishment if any infringement.)</p> <p style="text-align: right;">课题负责人签名:  2012年3月11日</p>	
<p>Inspection contents 审查依据</p>	<p>1. 该项目是否必须用实验动物进行实验，即能否用计算机模拟、细胞培养等非生命方法替代动物或用低等动物替代高等动物进行实验(Does laboratory animal must be used in the project? Could other methods such as computer simulation. cell culture or using the low-grade animal instead of the high-grade animal?)</p> <p>2. 表中所填申请人资格和所用动物的品种品系、质量等级、规格是否合适，能否通过改良设计方案或用高质量的动物来减少所用动物的数量(Are the qualification of applicant, species or strain, grade and specifications of animals suitable? Could the quantity of animals be reduced by improving the study design or using high quality animals?)</p> <p>3. 能否通过改进实验方法、调整实验观测指标、改良处死动物的方法，来优化实验方案、善待动物(Could the study design and animal treatment be refined by ameliorating experimental method, adjusting observational index. executing animal method?)</p>	
<p>Results of inspection 审查结果</p>	<p>实验动物伦理委员会委员意见 Members attitude of the Animal Care Welfare Committee</p>	<p>签名: </p>
	<p>实验动物伦理委员会意见 Attitude of the Animal Care Welfare Committee</p>	<p>主任委员签名:   2012年3月11日</p>
<p>备注: Remark</p>		

说明:

1. 编号由实验动物伦理委员会办公室分配并填写。
2. 表格所有填写内容请用签字笔填写或电脑打印(签名处除外)。
3. 需随本表递交相关审查资料如实验方案、课题标书等。要求写明项目的意义、必要性、项目中有关实验动物的用途、饲养管理或实验处置方法、预期出现的对动物的伤害、处死动物的方法、项目进行过程中涉及动物福利和伦理问题的详细描述。
4. 此表双面打印，一式三份，其中一份留实验动物伦理委员会办公室存档。

本表归档人员签名:

本表归档时间:      年      月      日