



江西中医药大学动物实验伦理审查申请书

Examine application for animal experiment ethics executed in Jiangxi University of
Traditional Chinese Medicine

申请日期(applicant date): 2021 年(year)2 月(month)24 日(day)

申请编号(applicant number): JZLLSC2021-236

课题名称(Project name): 丹参提取物调节肠道菌群和代谢产物抗高脂饲料所致的肥胖大鼠的减肥作用机制 (Salvia miltiorrhiza extract exerts an anti-obesity effect in high-fat diet-induced obese rat by modulating the gut microbiome and lipid metabolism)

申请人姓名(applicant name): 王海燕 技术职称(Technical title): 副教授

岗位证书编号(Post certificate number): 赣动技培字 2021 第 12296 号

项目负责人(Project Leader): 王海燕 技术职称(Technical title): 副教授

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申请者单位或部门(Applicant unit or department): 研究生院负责人(Leader): 章新友

拟 进 动 物 情 况	动物来源(Animal resources): 湖南斯莱克景达实验动物有限公司(Hunan Slack Landscape Laboratory Animal Co., Ltd.)	
	品种品系(Species or strains): SD 大鼠 等级(Grade): SPF	
	规格(Specifications): 7-8 周龄, 160±20g	
	数量(quantity): 32	申购日期(Date of purchase): 2021 年(year) 3 月(month) 19 日(day)
进 驻 日 期	进驻日期(Entering date): 2021 年(year)4 月(month) 2 日(day)	
	结束日期(End date): 2021 年(year) 4 月(month) 27 日(day)	

遵守实验动物福利原则的声明: 本人已阅读了《江西中医药大学实验动物伦理委员会章程》, 本人及其项目组成员将严格遵守国际通行的动物福利和伦理准则, 贯彻执行国家和江西省有关实验动物管理法律、法规和政策, 善待实验动物。

Declaration of compliance with the principles of animal welfare: I have read the "constitution of the experimental animal ethics committee of Jiangxi University of traditional Chinese Medicine", I and the project team members will strictly abide by the international animal welfare and ethical standards, carry out the relevant laws, regulations and policies on the management of laboratory animals in Jiangxi Province, and care laboratory animals.

项目负责人签名(Project Leader signature):

实验要点,包括: 实验目的、实验方法、观测指标、实验结束后处置动物的方法等(Experimental points, including: the experimental purpose, experimental methods, observation indicators, assays for animal sacrifice, etc. after the end of the experiment)

实验目的(Experimental purpose):

肥胖是当今一个主要的公共卫生问题。作为一种常用的中药, 丹参 (Salvia miltiorrhiza, Sal) 对肥胖也有调节作用, 但它是否能够通过调节肠道菌群和脂质代谢发挥抗肥胖作用尚不清楚。

实验方法(Experimental methods):

通过高脂饮食 (HFD) 诱导肥胖 SD 大鼠 14 周, 并从第 8 周开始给予丹参提取物 Sal 治疗肥胖大鼠。

观测指标(Observation indicators):

每天同一时间大鼠称重, 观察大鼠一般临床症状观察 (腹泻、行为、采食、饮水)。



实验结束后处置动物的方法（包括处置的方式等）(Assays for animal sacrifice, etc. after the end of the experiment, including methods to end animal life, etc.):

20%戊巴比妥钠深度麻醉安乐死。

手术过程中动物福利保障措施（包括减轻动物痛苦措施等）(Safeguard measures for animal welfare during operation, including measures to alleviate the pain of animals, etc.):

本研究不进行手术。

危险物品、药品安全处置措施（包括针头、有害药品的安全处置措施等）(Safety management measures of hazardous substances, drug, including safety management measures of needles, the safe disposal of hazardous drugs, etc.):

本实验所用的针头按照《医疗垃圾废物处理规范》进行处理。

审查依据

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。(1. Whether the project must be carried out with laboratory animals, Whether higher animal used to animal experiments can be substituted by computer simulation, cell culture, other non life alternatives or low animal)
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。(2. whether the applicant qualifications, animal strains or lines used, quality grades, specifications are suitable, whether the number of animals used can be reduced by improving the design scheme or the use of high quality animals)
3. 能否通过改进实验方法、调整实验观测指标、改良处置动物的方法，来优化实验方案、善待动物。(3. Whether animal experiment can be optimized and animal can be cared through improving experimental method, adjusting the observation index, and improving the disposition of an animal)
4. 保证动物福利的相关措施是否落实。(4. Whether the relevant measures to ensure implementation of animal welfare were carried out)

伦理委员会评审决议(Ethics committee review decision):

伦理委员会主任委员签章(Ethics committee chairman signature)



2021年(year)3月(month)10日(day)

说明：1.此表一式二份，正反面打印。在伦理审查通过后返还项目负责人一份，伦理委员会留存一份。2.编号由伦理委员会秘书填写。3.联系电话填本项目申报联系人的电话。4.实验要点只写摘要。5.申请单位或部门填到科室，主管单位签章为学院主管科研的领导签章。

Note: 1. this form has two copies, forward and backward print. one should be returned to the project leader, another should be retained in the ethics committee after the ethical review is passed by the committee of ethics. 2. The applicant number will be given by the ethics committee secretary. 3 Contact phones should be filled by the project applicant. 4. The item of "Experimental point" should be filled only with project summary. 5. The item of "application units or departments" should be filled with department; the signature of the competent unit should be performed by the leader in charge of scientific research in the college or institute.