

Experimental animal welfare and ethical review form of Yueyang Hospital of Integrated Traditional Chinese and Western Medicine affiliated to Shanghai University of Traditional Chinese Medicine

Application date: 2020-5-14

Ethical acceptance number: YYLAC-2020-078-1

Project title: Study on the nature of "disease-syndrome" and mechanism of action of traditional Chinese medicine based on systems biology and network pharmacology	
Subject source: Chinese ministry of Science and Technology	Project number: 2018YFC1705305
Project level: National level	
Project leader: Bin Li	Department: Dermatology
Telephone: 18930568129	Mail: 18930568129@163.com
Applicant: Bin Li	Department: Institute of Dermatology
Telephone: 18930568129	Mail: 18930568129@163.com
Participant: Yi Ru, Ying Luo, Jiankun Song	
Experimental animal information	Animal origin: Shanghai SLAC Laboratory Animal Co.,Ltd
	Experimental animal quality certificate number: 20170005026331
	Laboratory animal production license number: SCXK Shanghai 2017-0005
	Laboratory animal use license number: SYXK Shanghai 2018-0040
	Variety and strain: Balb/c, C57
Level: SPF	

	Weight:	Weeks of age: 8-12w
	Amount: ♂ , 18	
	Start and end time of animal experiments: 2020-5-19 to 2020-6-16	
1. Have the experimental operators had contact with experimental animals and attended relevant training?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Please provide specific instructions) (By Yueyang Hospital Animal Center paper version)	
2. Has the safety of this animal experiment been demonstrated?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Signature of director: Bin Li	
3. Could lower animals, organs, tissues, cells or other insensible materials be used instead of mammals?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Please provide specific instructions)	
4. Does the experiment use toxic (harmful) substances (infection, radiation, chemical poison, and others)?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Please provide specific instructions)	
5. What measures have been taken to reduce animal consumption, relieve animal suffering, and ensure animal welfare in this experiment?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Please provide specific instructions) ① Reduce: The surgeon can improve the surgical ability, improve the utilization rate and accuracy of animal experiments, and reduce the number of animals used in experiments as much as possible. ② Optimization: The surgical area and the feeding area are	

	<p>separated to reduce the mental stress and pain of animals as much as possible.</p>
<p>6. Experimental design and animal experiment procedure</p>	
<p>Please provide further information on each part of the animal testing protocol. It includes details about the purpose of the experiment, animal transportation, animal feeding method, experimental operation steps that may cause harm or discomfort to animals, and the prevention and control measures to be taken.</p> <p>Objective: To observe the changes of psoriatic inflammatory response in imiquimod psoriasis model mice.</p> <p>Feeding model: <input checked="" type="checkbox"/> Normal feeding; <input type="checkbox"/> Single cage feeding; <input type="checkbox"/> Special diet; <input type="checkbox"/> Special drinking water; <input type="checkbox"/> Others (Fill in specifically)</p> <p>Molding method: Imiquimod ointment was applied to mice (62.5mg) and molded for 5 days at least.</p> <p>Method of administration: <input type="checkbox"/> Gavage; <input type="checkbox"/> Intraperitoneal injection; <input type="checkbox"/> Intramuscular injection; <input type="checkbox"/> Intravenous administration; <input type="checkbox"/> Nothing <input checked="" type="checkbox"/> Others (Fill in specifically): Imiquimod ointment for external use.</p> <p>Animal protection mode: <input checked="" type="checkbox"/> To hand; <input type="checkbox"/> Dead plate; <input type="checkbox"/> Others (Fill in specifically)</p> <p>Anesthesia (drug name, dosage and route of administration): Nothing.</p> <p>Main observation indicators: Histopathology, immunohistochemistry, and PCR.</p>	

Animal execution method:

Carbon dioxide inhalation asphyxia.

Declaration: I have carefully reviewed the contents of this application form and guarantee the authenticity and reliability of the contents. I will strictly abide by the above experimental scheme, consciously abide by the ethical principles of experimental animal welfare, accept the supervision and inspection of the committee at any time, use the examination and approval documents properly according to the reasons for application, and voluntarily bear all the consequences if I violate the regulations.

Declarant: Bin Li

Signature of project leader: Bin Li

2020-5-14

Signature of the person in charge of animal experiments: Ying Luo

2020-5-14

Comments on laboratory animal Facilities:

Agree.

Signature of Facility Supervisor: Yanting Shao

2020-5-19

Signature of facility Manager: Chunyan Zhang

2020-5-19

Approval comments of Ethics Committee of Yueyang Hospital affiliated to Shanghai University of Traditional Chinese Medicine:

Agree.

Signature of the Director: Bin Li

2020-5-26