

Nanjing University of Chinese Medicine Animal Experiment Ethics Review Application Form

Application Number: 201805A017



1. Basic information of Project

Project name	Study on the neurobiological mechanism of regulating gastric motility in Zhongwan and Zusanli Zhi Yu
Project number	012071001410
Project source (Please fill in the funding unit)	National Natural Science Foundation of China
Start and end of the project	2016.01-2019.12
Experimental cycle	Four years

2. Project leader information

Name	Zhi Yu	Department/college	
Technical titles		Contact information	15996267102
Laboratory animal practitioners		E-mail	mickey28282@sina.com

3. Animal experiment operator information (required for personnel involved in live animal experiment operations)

Name	Unit (department)	Technical titles	The operations were undertaken in this experiment	
Yan He	Nanjing University of Chinese Medicine	student	Experimental operation	220180280
Mengjiang Lu	Nanjing University of Chinese Medicine	student	Experimental operation	220180302

4. Contact (Designated by the project leader or the person in charge)

Name	Zhi Yu	E-mail	mickey28282@sina.com
Mobile phone	15996267102	Fixed telephone	



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5、Animal experiment overview			
The purpose and necessity of this experiment	Take the regulation effect of acupoints such as Zhongwan, Zusanli, and Tianshu on gastric motility as an example, exploring the effects of different parameters on the compatibility of acupoints and the differences in left and right acupoints regulating gastric motility and their possible neurobiological mechanisms, provide a scientific basis for the rational application of clinical acupoint compatibility.		
Animal experiment content (plan overview and observation indicators)	a4c08a0ba26ddfa8&Animal experiment method.doc&.doc		
This experiment uses	1		
Variety/strain selection basis	Sprague-Dawley rats		
Confirmation basis for animal use (specific to each group of uses and quantities)	Acupuncture group was allocated into three subgroups (15 SD rats in normal, 15 SD rats in Vagotomy group, and 15 SD rats in Splanchnicotomy group). 15 normal SD rats artificial cerebrospinal fluid control group, 15 SD rats GABA nuclei injection group, 15 SD rats L-glu nuclei injection group 15 SD rats vagus nerve nerve discharge measurement group, 15 SD rats The visceral large nerve discharge measurement group requires 10 rats per sample, considering the success rate of surgery is about 70%, and each group needs 15 SD rats.		
Disease animal model	Not involving		
Animal experiment category	Conventional		
Treatment of animal carcass	Entrusted the unit of the animal experiment facility to handle		
Other issues related to animal welfare Ethics or special	No		



requirements for review				
6、Animal Experiment Details (This section only shows one variety/line, please check the supplement when using multiple varieties/lines)				
Whether genetically modified animals	No			
Animal information	Shanghai Sippr-BK laboratory animal Co. Ltd. SPF Sprague-Dawley (SD) rats			
Animal dosage	male	120	female	0
Animal source	purchase			
Animal experiment facility	2. Facilities and equipment categories: barrier facilities			
Feeding management	Conventional breeding			
Experimental endpoint	Specific laboratory indicators:			
Experimental operation (this column is only for selecting operation items. Please follow the prompts to submit detailed steps as attachments)	1, dose: intraperitoneal injection -; 2, blood collection: no -; 3, collect living tissue: no -; 4, surgery: surviving major surgery; 5, for the auxiliary experimental operation for diet and physical restrictions: fasting; 6. Behavioral Project: None-; 7. Psychological Stress Project: None-; 8. Other Operations: None			
It is expected that the injury to the animal in this experiment and its treatment	None			

plan	
Expected unexpected conditions in the experimental operation and its treatment plan	None
Euthanasia	Excessive anesthesia: urethane

