



广西医科大学第一附属医院  
THE FIRST AFFILIATED HOSPITAL OF GUANGXI MEDICAL UNIVERSITY

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**FIRST AFFILIATED HOSPITAL of GUANGXI MEDICAL  
UNIVERSITY  
ETHICAL REVIEW COMMITTEE  
Approval Notice**

**Approval Number:** 2015(KY-E-023)

**Title:** Human urokinase-type plasminogen activator gene-modified bone marrow-derived mesenchymal stem cells attenuate liver fibrosis in rats by down-regulating the Wnt signaling pathway

**Research Contents:** The study was undertaken to evaluate the therapeutic effects for liver fibrosis using BMSCs as delivery vehicles with human urokinase-type plasminogen activator (uPA) as therapeutic gene, and to further investigate the underlying mechanism of gene therapy in liver fibrosis rats model.

**Applicant:** Xiao-Ping Lv

**Application Department:** Department of Gastroenterology, the First Affiliated Hospital of Guangxi Medical University.

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**Date of Application:** 23-July-2015

**Date of Approval:** 28-July-2015

**Conclusion:** All experimental procedures of this project were conducted in conformity with institutional guidelines for the care and use of laboratory animals, and the animal use and care protocols were approved by the Committee on Ethical Use of Animals of the Medical Ethics Committee of the First Affiliated Hospital of Guangxi Medical University.

Signature: \_\_\_\_\_

Lang Li

(Vice) Director of Ethical Review Committee

First Affiliated Hospital of Guangxi Medical University

Date: 28 July, 2015