

郑州大学第一附属医院医学科研

伦理委员会审查批准表

编号（由委员会统一填写）		科研 2017 年 第 10 号		研究单位		Department of Hepatobiliary and Pancreatic Surgery	
研究名称		RFWD3 Regulates Proliferation and Metastasis through the Wnt/ β -catenin signaling pathways in Hepatocellular Carcinoma				起止时间	
						2017.01-2019.12	
研究成员		Ruo-Peng Liang, Xiao-Xue Zhang, Jie Zhao, Qin-Wei Lu, Rong-Tao Zhu, Wei-Jie Wang, Jian Li, Kai Bo, Chi-Xian Zhang, Yu-Ling Sun				通讯作者	
						Yu-Ling Sun	
拟用动物		类别	等级	数量	动物来源	质量合格 证明编号	
		裸鼠（雄性）	SPF	36	Shanghai B&K Universal Group Limited	SCXK（沪） 2013-0016	
临床标本		类别	来源	数量	用途		
		人肝癌组织	临床标本库	60 对	基因表达情况检测		

研究内容摘要：

RFWD3 gene expression was analyzed by IHC and qRT-PCR analysis in HCC and adjacent tissues. The lentivirus was used to silencing the expression of RFWD3 to obtain the stably transfected cells in the HCC cell lines BEL-7404 and HCC-LM3. After checking silence efficiency, transfected cells were implanted subcutaneously and tail vein injection in nude mice to observe tumor growth and metastasis.

申请人（研究负责人）承诺：

Before the operation, all patients had been informed of the resection tissues may use of research and got agreed of the patients. All animal experimental protocols were conducted in accordance with the ARRIVE guidelines (<http://www.nc3rs.org.uk/arrive-guidelines>).

伦理委员会意见：

本研究项目经郑州大学第一附属医院医学科研伦理委员会讨论，批准（批准/不批准）开展此项研究。

伦理委员会（章）：
审批日期：2017.01

