医学伦理审查报告

（Ethical approval）

我校生理功能与损伤实验室拟开展"人胃微血管在老化进程中的功能变化及其分子机制"科研工作。该项目涉及胃大部切除手术患者的组织标本，我校伦理委员会对该项目相关医学伦理学问题进行了审查。

项目信息：

研究项目名称：人胃微血管在老化过程中的功能变化及其分子机制

承担单位：徐州医学院

项目负责人：闫长栋　　职称：教授

研究起止日期：2011 年 1 月-2013 年 12 月

涉及人体研究的主要内容：

本课题将以胃大部切除患者切除的胃组织为研究对象，选取远离病灶的正常胃组织分离其黏膜下层血管，运用微血管灌流和组织学染色技术，观察人胃黏膜血管在人体老化进程中结构和功能的变化，并在此基础上进一步采用一系列分子生物学方法，探讨人胃血管老化的具体分子机制。胃血流与胃的功能密切相关，胃血管的功能对胃局部血流量的供给起直接决定作用，本研究的成功将为老年人胃相关疾病的治疗提供新的视角和理论基础。

审查评议意见：

经我校伦理委员会审议，研究人胃黏膜血管在人体老化进程中结构和功能的变化及其可能机制，对老年人胃相关疾病的治疗具有重要的意义。该研究的实验设计和实施方案充分考虑了样本来源的可行性及安全性，研究内容不构成对研究对象的明显伤害和风险，研究对象将完全基于志愿和知情同意原则，并尽最大限度保护研究对象的隐私，研究内容和结构不存在利益冲突。

结论：

该研究中，研究对象的权利和利益得到充分保护，不存在潜在风险。同意该项目研究的工作按计划进行。

徐州医学院伦理委员会

主任

2010 年 10 月 10 日

Translation

Ethical approval

Physiological function and injury laboratory of our school intends to carry out the scientific research work "Changes of human gastric microvascular function in the aging process and its molecular mechanisms". The project involved the stomach samples from the patients undergoing subtotal gastrectomy. The ethics committee of Xuzhou Medical College has reviewed the medical ethics problems related to the project.

The project information:

Research project name: Changes of human gastric microvascular function in the aging process and its molecular mechanisms

Charged by: Xuzhou Medical College

Project manager: Changdong Yan Title: professor

Commencing and ending date: Jan 2011 - Dec 2013

The main contents involved in human research

The research object of this project is stomach samples from the patients undergoing subtotal gastrectomy, the normal gastric tissue away from the lesions will be selected and then isolated submucosal arterioles. We will observe the function and structure of gastric blood vessel by using microvascular perfusion and histological staining techniques. And the molecular mechanism of human gastric vascular aging will further investigate by using a series of molecular biology methods. Gastric blood flow and the function of the stomach are closely related to the supply. There is a current opinion that an adequate mucosal blood flow plays an important role in maintaining the mucosal integrity, and the structure and function of blood vessels are important for determining blood flow. The study will provide a new perspective and theoretical basis for the treatment of gastric associated diseases in elder.

Review comments:

The ethics committee of Xuzhou Medial College review that this research has an important role in the treatment of gastric diseases in elderly. The experimental design and implementation plan of the study fully consider the feasibility and safety of the sample sources, research content does not constitute injuries and risk of the research subjects. The research object will be entirely based on the principle of voluntary and informed consent, and exert maximum protect the privacy of research objects, there is no conflict of interest in research content.

Conclusion:

In this study, the rights and interests the research objects are fully protected, and there is no potential risk. The study was approved by the ethics committee of Xuzhou Medical College.

The Ethics Committee of Xuzhou Medial College

Chairman

Oct 10, 2010