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中药复方谱动学与谱效动力学差异性的研究

投稿时间: 2010-07-29 责任编辑: 周驰 点此下载全文

引用本文: 贺福元、邓凯文、邹欢、邱云、陈锋,周宏灏、中药复方谱动学与谱效动力学差异性的研究[J].中国中药杂志、2011,36(2):136.

DOI: 10.4268/cjcmm20110210

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作者 中文名	作者英 文名	单位中文名	单位英文名	E-Mail
<u>贺福</u> 元	HE Fuyuan	湖南中医药大学 药学院 中药药性主药贫国家中医 药管理局重点实验室 湖 南 长沙 410208 湖南中医药大学 现代中 药制技术与评价实验室 湖南 长沙 410208 中南大学 临床药理研究 所、湖南 长沙 4100078	Property and pharmacodaynamic Key laboratory of TCMM, State Administration of Traditional Chinese Medicine Department of Pharmaceutics, Hunan University of Tradition Chinese Medicine, Changsha 41028, China Pharmaceutical Pharmaceutical Meparation Technology and Evaluation Laboratory of Traditional Chinese Medicine, Hunan University of Traditional Chinese Medicine, Changsha 410208, China University of Traditional Chinese Medicine, Changsha 410208, China Pharmacology, Central South University, Changsha 410078, China Ch	pharmsharking@tom.com
<u>邓凯</u> 文	DENG Kaiwen	湖南中医药大学 第一附 属医院,湖南 长沙 410007	First Affinity Hospital, Hunan University of Tradition Chinese Medicine, Changsha 410007, China	
<u>邹欢</u>	ZOU Huan	湖南中医药大学 药学院 中药药性与药效国家中医 药管理局重点实验室,湖 南 长沙 410208	Property and pharmacodaynamic Key laboratory of TCMM, State Administration of Traditional Chinese Medicine Department of Pharmaceutics, Hunan University of Tradition Chinese Medicine, Changsha 410208, China	
邱云	QIU Yun	湖南中医药大学 药学院 中药药性与药效国家中医 药管理局重点实验室,湖 南 长沙 410208	Property and pharmacodaynamic Key laboratory of TCMM, State Administration of Traditional Chinese Medicine Department of Pharmaceutics, Hunan University of Tradition Chinese Medicine, Changsha 410208, China	
陈锋	CHEN Feng	湖南中医药大学 药学院 中药药性与药效国家中医 药管理局重点实验室,湖 南 长沙 410208	Property and pharmacodaynamic Key laboratory of TCMM, State Administration of Traditional Chinese Medicine Department of Pharmaceutics, Hunan University of Tradition Chinese Medicine, Changsha 410208, China	
周 <u>宏</u> 蹶	ZHOU Honghao	中南大学 临床药理研究 所,湖南 长沙 4100078	Pharmacogenetic Research Institute, Institute of Clinical Pharmacology, Central South University, Changsha 410078, China	

基金项目:国家自然科学基金项目(81073142,30901971);湖南省教育厅重点项目(09A068)

中文关键词:谱动学 谱效动力学 药物动力学 药效动力学 单成分 多成分

Study on differences between pharmacokintics and chromatopharmacodynamics for Chinese materia medica formulae

Abstract:Objective: To study on the differences between chromatopharmacokinetics (pharmacokinetics with fingerprint chromatography) and chromatopharmacodynamics (pharmacodynamics with fingerprint chromatography) of Chinese materia medica formulae to answer the question whether the pharmacokinetic parameters of multiple composites can be utilized to guide the medication of multiple composites Method: On the base of established four chromatopharmacology with chromatographic integerprint, the pharmacokinetics, and pharmacokynamics were analyzed comparably on their mathematical model and parameter definition. Result: On the basis of quantitative pharmacology, the incincion expressions and total statistical parameters, such as total zero moment, total first moment, total second moment of the pharmacokinetics, and pharmacodynamics were analyzed to the common expressions and elucidated results for single and multiple components in Chinese materia medica formulae. Total quantitative pharmacokinetic, i.e. chromatopharmacokynamic parameters were decided by both of pharmacokynamic parameters of each components and pharmacokynamic parameters were decided by both of pharmacokynamic parameters with an existing stable effective coefficient when the constitutive ratio of each composite was a constant. Conclusion: The effects of Chinese materia medica were all controlled by pharmacokynamic coefficient, it is a special each on the pharmacokynetic rould independently guide the bharmacokinetio and pharmacokinetion continued to the continued of the con

keywords: chromatopharmacokinetic chromatopharmacodynamics pharmacokinetics pharmacodynamics single component multiple

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