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Effect of *Yishen Chuanning Decoction* (益肾喘宁汤) on Serum Metabonomics in Rats Model with Bronchial Asthma of Kidney-qi Deficiency Syndrome: Based on Nuclear Magnetic Resonance Technics

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ABSTRACT Objective To explore the possible mechanism of *Yishen Chuanning Decoction* (益肾喘宁汤) in treating bronchial asthma of kidney-qi deficiency syndrome using nuclear magnetic resonance. **Methods** Randomly divided 42 Wistar rats into normal control group, model group and the Chinese medicine group, with 14 rats in each. Except for the normal control group, rats were treated with exhausting swimming and great fright impairing the kidney to establish bronchial asthma of kidney-qi deficiency syndrome model. The Chinese medicine group was given *Yishen Chuanning Decoction* 2.0 g/ (kg · d) for gavage from the 15th day of experiment. The normal control group and the model group were given equal dose saline for gavage. Collected blood from aorta abdominalis and separated serum of rats in each group after 15 days of continuous gavage. Conducted H-nuclear magnetic resonance examination. Finally selected and authenticated different metabolite of rats in different groups. **Results** Totally authenticated 20 kinds of serum metabolites whose difference had statistic significance. Compared to those in the normal control group, isoleucine and glutamine levels remarkably increased while that of the lactic acid remarkably decreased in the model group. Compared with the model group, lactic acid level in the Chinese medicine group remarkably increased, while the lipid (R-CH₃), lipid (R-CH₂), lipid (CH₂CH₂CO), lipid (CH₂C = C), lipid (C = CCH₂C = C) and unsaturated fatty acid levels decreased (P < 0.05). **Conclusion** The possible functional mechanism of *Yishen Chuanning Decoction* (益肾喘宁汤) in treating bronchial asthma of kidney-qi deficiency syndrome is to promote body lipid metabolism and improve energy metabolism deficiency of the body.

Keywords bronchial asthma; *Yishen Chuanning Decoction* (益肾喘宁汤); kidney-qi deficiency syndrome; nuclear magnetic resonance; serum metabonomics; energy metabolism

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第 30 次全国特色医疗名医学术交流会暨老年病论坛的通知

我国现已进入老龄化社会, 根据全国老龄工作会议和国家中医药管理局的要求, 为了研讨老年病的中医药防治和交流特色医疗的经验, 由中国民间中医医药研究开发协会特色医疗分会、北京聚医杰医药科学研究院联合主办的“第 30 次全国特色医疗名医学术交流会暨老年病论坛”定于 2016 年 7 月 26 日-29 日(25 日报到)在安徽省黄山市召开。特邀请全国各地的中医特色医疗名医、特别是专长于中医药防治老年病的各级名中医、基层中医、民间中医及养老、老年保健工作者参加本次会议。

本次会议的主题是: 弘扬中医药特色优势, 发挥防治老年病特长。本次会议有几点亮点: 一是请有关专家做老年病防治及养老、医养结合方面的经验介绍及学术讲座; 二是交流运用中医药防治老年病的新经验新成果, 向到会代表赠送《中医药防治老年病特色医疗经验荟萃》一书; 三是成立“中医药防治老年病研究专家委员会”, 欢迎符合条件者报名参加; 四是表彰一批老年病防治方面的优秀论文、学术成果。

本次会议收报名费 300 元、会务及培训资料费 1500 元, 会期食宿参观统一安排, 费用自理。报名方式: 请在 7 月 18 日前办理参会报名手续。请将参会报名费 300 元、个人技术简介、交流论文(无论文也可报名)、申报表彰材料、2 寸蓝底照片 4 张快递至: 北京市 100036-98 信箱黄山会议会务组叶续宗秘书长收, 邮编 100036。联系电话: 010-63772051、18600893817、18500577884, 会议地址另行通知。本次会议代表名额为 80 人, 名额有限请及时报名。