



中华中医药学会系列期刊



中国中文核心期刊
中国科技核心期刊
CSCD来源期刊(核心库)
RCCSE权威学术期刊(A+)
中医药科技期刊分级目录T1级期刊
美国《乌利希期刊指南》(UPD)源期刊
《日本科学技术振兴机构数据库》(JST)源期刊
《WHO西太平洋地区医学索引》(WPRIM)源期刊



ZHONGGUO

SHIYAN

FANGJIXUE

ZAZHI

中国实验方剂学杂志

— Chinese Journal of Experimental Traditional Medical Formulae —

本期推荐

3首止泻名方治疗溃疡性结肠炎大鼠的相关机制对比分析

黄芩汤、四神丸、痛泻要方均为中医临床止泻的常用方剂，因所针对病机不同，根据“方证对应”的理论思想，遣方用药也应有差异。该研究以TNBS诱导的大鼠溃疡性结肠炎（大肠湿热型泄泻）模型为基础，通过对比研究上述3首方剂在炎症反应、脑肠轴互作、水运调节等方面的作用机制，发现黄芩汤治疗溃疡性结肠炎最为对症，可为应用中药方剂治疗溃疡性结肠炎提供实验依据。

20
2020

2020年10月 第26卷 第20期
October Vol.26 No.20



杂志官方微信

主管：国家中医药管理局
主办：中国中医科学院中药研究所
中华中医药学会
万方数据

中国实验方剂学杂志
Zhongguo Shiyang Fangjixue Zazhi

半月刊 1995 年 10 月创刊 第 26 卷 第 20 期 2020 年 10 月 20 日出版

主管 国家中医药管理局
(100027 北京市东城区工体西路 1 号)
主办 中国中医科学院中药研究所
(100700 北京市东直门内南小街 16 号)
中华中医药学会
(100029 北京市朝阳区樱花园东街甲 4 号)
主编 吴以岭
编辑出版 中国实验方剂学杂志编辑部
(100700 北京市东直门内南小街 16 号)
电话:(010)84076882
传真:(010)84076882
E-mail:syfjx_2010@188.com
网址:www.syfjxzz.com
广告代理 数源汇通(北京)医药科技有限公司
北京市海淀区西三环北路 11 号
海通时代商务中心 A1 栋
电话:(010)68469866
传真:(010)68469886
印刷 北京博海升彩色印刷有限公司
(101102 北京通州区环宇路 6 号)
国内发行 北京报刊发行局
(100055 北京丰台区莲花池东路 126 号)
订阅 全国各地邮局
邮发代号 2-417
国外发行 中国国际图书贸易集团有限公司
订阅代号 SM4655
邮购 中国实验方剂学杂志社
(100700 北京市东直门内南小街 16 号)
电话:(010)84076882

ISSN 1005-9903
CN 11-3495/R
中国标准连续出版物号
广告许可证 京东工商广登字 20170076 号
国内定价 每期 48 元, 全年 1152 元

目次

· 经典名方 ·

3 首止泻名方治疗溃疡性结肠炎大鼠的相关机制对比分析
马旭冉, 王彦礼, 邹迪新, 王敦方, 宋红新,
杨伟鹏, 葛永祥 (1)

鳖甲煎丸通过 TGF-β/Smad 信号通路抑制 DEN 诱导肝癌
大鼠上皮间质转化的机制
陈炜聪, 文彬, 孙海涛, 孙嘉玲, 杨雪梅, 招文婷,
陈冠新, 贺松其 (9)

二陈汤加味对慢阻肺大鼠 Th1/2/9 细胞相关淋巴因子及
IL-4R1/IL-13RA1 的调节作用
毛梦迪, 尚立芝, 徐莉莉, 季书, 石龙涛, 李耀洋,
张光远, 王国强, 谢文英 (16)

加味升降散对膜性肾病大鼠 PI3K/Akt/mTOR 信号通路及
自噬的影响
高飞, 王泽泽, 杨冰, 檀金川 (25)

黄芪建中汤对脾胃虚寒型胃溃疡模型大鼠 JAK2/STAT3
信号通路的影响
白敏, 段永强, 杨晓轶, 王强, 李钦, 巩子汉,
马骏, 王斑 (32)

当归补血汤对内皮祖细胞氧化应激损伤的保护作用
郭静, 莫友胜, 王奇, 黄水清 (39)

· 药理 ·

泽漆醇提物对 LPS 诱导小鼠急性肺损伤及其炎症
信号通路 MAPK/NF-κB 的影响
陈兰英, 尹力, 周滕静, 邵峰, 石强, 刘荣华 (46)

车前子对腹泻大鼠炎症因子和结肠组织 AQP4 mRNA 和蛋白表达的影响	
王月, 彪雅宁, 储心乔, 张纳博, 张睦清, 王茜, 韩雪, 张一昕	(52)
黄芪多糖对人鼻咽癌 CNE-1 细胞的放疗增敏及上皮间质转化的作用	
张树聪, 蔡治祥, 王学涛, 李志英, 宋慧胜	(59)
芪红胶囊对心衰模型比格犬血流动力学及血氧含量的影响	
郭浩, 任建勋, 李磊, 刘建勋, 王晓峰, 任钧国, 韩笑, 金龙, 史跃, 马彦雷	(67)
基于病证结合探讨血瘀证糖尿病肾病大鼠肾损害与内质网应激的关系	
庞欣欣, 彭紫凝, 邢玉凤, 韩佳瑞, 孙新宇	(74)
葛根对 2 型糖尿病大鼠胰腺内质网应激相关蛋白 GRP78, ATF6 表达的影响	
张路煜, 刘玉晖, 游宇, 刘荣华, 刘浩坤, 王海贝, 黄海华	(82)
· 临床 ·	
防风通圣汤对乙肝慢加急性肝衰竭早期血清内毒素及程序性死亡因子-1/配体-1 的影响	
李建鸿, 邱腾宇, 莫小艾, 张磊, 庄健海, 蒋开平	(88)
温经化瘀止痛法治疗原发性痛经的临床疗效及其对 T 细胞亚群的调控机制	
王丹丹, 王东梅, 蔡平平, 孟迎迎, 翟凤婷	(94)
基于津液代谢理论观察沙参麦冬汤联合白芍总苷胶囊治疗原发性干燥综合征	
李增变, 周全, 张国胜, 张攀科	(100)
金匱肾气丸结合骨折三期辨证对骨质疏松性椎体压缩性骨折术后康复的影响	
唐保明, 李钊伟, 杨爱荣, 王卓亚	(105)
清热调血汤内服联合五味消毒饮灌肠治疗湿热瘀滞证盆腔炎性疾病后遗症的临床观察	
胡春芳, 简皓, 陈姣洁, 熊员煊	(111)
· 药物代谢 ·	
基于尿液代谢组学比较厚朴温中汤合煎与单煎对脾胃虚寒大鼠的影响	
闫君, 郭思芳, 刘莉, 蒋红霞, 齐珂璇, 冯秀文, 刘建群	(117)
· 药学基础 ·	
基于 AHP-CRITIC 混合加权法和响应面法的盐车前子炮制工艺优选及其利尿作用考察	
李潮, 于欢, 溫柔, 严丽萍, 龚千锋, 钟凌云, 张金莲	(124)
16 个产地地乌药材的系统鉴定及质量评价	
胡鑫, 王旭, 刘曼, 裴红, 朱志国, 黄必胜, 刘义飞, 宋成武, 胡志刚	(132)

遮光对刺五加生长以及光合生理参数的影响

徐明远,王谦博,郭盛磊,唐中华,倪红伟,李凤霞,刘佳,王振月

(140)

基于转录组的夏枯草 WRKY 转录因子的鉴定和表达特征分析

朱昀昊,陈志恒,董诚明

(146)

· 数据挖掘 ·

七味白术散对糖尿病小鼠肝脏组织 PI3K/Akt 信号通路的调节作用

刘仕琦,李冀,王艳

(153)

基于网络药理学分析加味归脾汤治疗阴火失眠伴焦虑的机制

刘飞祥,林子璇,张怀亮,杨克勤,张道培,徐进,范晓飞,王永涛,李丹,赵玉男

(161)

国内外痛风性关节炎的研究现状——基于 CiteSpace 软件的可视化分析

杨婷,张晓滕,张冰,林志健,姜卓希,郭凡帆

(169)

· 综述 ·

小茴香炮制历史沿革、化学成分及药理作用研究进展

王金金,毋启桐,时博,周宁,李凯,张振凌

(178)

中药调控蛋白质磷酸化水平对肿瘤发生发展的影响

江始源,司富春,王文彬,刘子提,张漂,赵欣杰

(191)

祛风胜湿法治变应性鼻炎的理论与临床依据

张晓阳,连增林,孙劲旅,孙青,王祯,连心逸

(198)

核酸适配体介导脂质体靶向递送抗肿瘤药物的研究现状

朱坤,杨中澜,张晓青,宁双成,周莉莉,邹蔓姝,夏新华

(206)

中药有效成分对血脂异常作用机制的研究进展

耿秀超,张雨豪,景佳星,朱中瑞,李强,于文涛

(213)

基于 STAT3/miRNA 反馈环路探讨中医药促脑梗死后血管新生的调控机制

杨仁义,周德生,傅馨莹,颜思阳,龚翠兰,马强,刘利娟

(221)

基于脑-肠互动功能探讨痛泻要方治疗腹泻性肠易激综合征机制的研究进展

李夏,王凤云,吴皓萌,秦金燕,马金鑫,唐旭东

(229)

[期刊基本参数] CN11 -3495/ R * 1995 * s * 16 * 234 * zh * P * ¥ 48.00 * 1000 * 32 * 2020-20

本期责任编辑: 孙丛丛

CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly Established in October, 1995 Vol. 26 No. 20 2020

Responsible Institution
State Administration of Traditional Chinese Medicine
(No. 1, Gongtixilu, Dongcheng District, Beijing, 100027)

Sponsor
Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences
(No. 16, Nanxiaojie, Dongzhimennei, Beijing, 100700)
China Association of Chinese Medicine
(No. 4, Yinghuayuandongjie, Chaoyang District, Beijing, 100029)

Editor-in-Chief
WU Yi-ling

Edited and Published by
Editorial Office of Chinese Journal of Experimental Traditional Medical Formulae
(No. 16, Nanxiaojie, Dongzhimennei, Beijing, 100700)
Tel: (010)84076882
Fax: (010)84076882
E-mail: syfjx_2010@188.com
Website: http://www.syfjxzz.com

Printed by
Beijing BOHS Colour Printing Co. Ltd.
(No. 6, Huanyu Road, Tongzhou District, Beijing, 101102)

Domestic Subscription
Distributed by Beijing Subscription Bureau
(No. 126, Lianhuachidonglu, Fengtai District, Beijing, 100055)
Subscription Code 2-417

Overseas Subscription
China International Book Trading Corporation
(P. O. Box 399, Beijing, 100044)
Code SM4655

Order from Local Post Office
Order from Mail Publishing House of Chinese Journal of Experimental Traditional Medical Formulae
(No. 16, Nanxiaojie, Dongzhimennei, Beijing, 100700)
Tel: (010)84076882

ISSN 1005-9903
CN 11-3495/R

CONTENTS IN BRIEF

Comparison of Related Mechanism in Rats with Ulcerative Colitis After Treatment of Three Regiments
MA Xu-ran, WANG Yan-li, ZOU Di-xin, WANG Dun-fang, SONG Hong-xin, YANG Wei-peng, GE Yong-xiang..... (1)

Mechanism of Biejia Jianwan in Suppressing Epithelial-mesenchymal Transition in DEN-induced Rat Hepatocellular Carcinoma via TGF- β /Smad Pathway
CHEN Wei-cong, WEN Bin, SUN Hai-tao, SUN Jia-ling, YANG Xue-mei, ZHAO Wen-ting, CHEN Guan-xin, HE Song-qi (9)

Regulatory Effect of Modified Erchentang on Levels of Lymphokines Relating to Th1, Th2 and Th9 Cells and Expressions of IL-4R1/IL-13RA1 in Bronchioles of Rats with Chronic Obstructive Pulmonary Disease
MAO Meng-di, SHANG Li-zhi, XU Li-li, JI Shu, SHI Long-tao, LI Yao-yang, ZHANG Guang-yuan, WANG Guo-qiang, XIE Wen-ying (16)

Effect of Modified Shengjiangsan Influences on PI3K/Akt/mTOR Signaling Pathway and Autophagy in Rats with Membranous Nephropathy
GAO Fei, WANG Ze-ze, YANG Bing, TAN Jin-chuan..... (25)

Effect of Huangqi Jianzhongtang on JAK2/STAT3 Signal Pathway in Rats with Spleen-Stomach Deficiency Cold Type Gastric Ulcer
BAI Min, DUAN Yong-qiang, YANG Xiao-yi, WANG Qiang, LI Qin, GONG Zi-han, MA Jun, WANG Ban (32)

Protective Effect of Danggui Buxuetang on Endothelial Progenitor Cells Against Oxidative Stress Injury Induced by H₂O₂
GUO Jing, MO You-sheng, WANG Qi, HUANG Shui-qing (39)

Effect of <i>Euphorbia helioscopia</i> Alcohol Extract on MAPK/NF-κB Inflammation Pathway on Mice with Acute Lung Injury Induced by LPS	
CHEN Lan-ying, YIN Li, ZHOU Meng-jing, SHAO Feng, SHI Qiang, LIU Rong-hua	(46)
Effect of Plantaginis Semen on Inflammatory Cytokines and mRNA and Protein Expressions of AQP4 in Colon Tissue of Diarrhea Rats	
WANG Yue, BIAO Ya-ning, CHU Xin-qiao, ZHANG Na-bo, ZHANG Mu-qing, WANG Xi, HAN Xue, ZHANG Yi-xin	(52)
Effect of Astragalus Polysaccharide on Radiosensitivity and Epithelial-mesenchymal Transition of Human Nasopharyngeal Carcinoma CNE-1 Cells	
ZHANG Shu-cong, CAI Zhi-xiang, WANG Xue-tao, LI Zhi-ying, SONG Hui-sheng	(59)
Effect of Qihong Capsule on Heart Hemodynamics and Myocardial Consumption of Oxygen in Heart Failure Model Beagle	
GUO Hao, REN Jian-xun, LI Lei, LIU Jian-xun, WANG Xiao-feng, REN Jun-guo, HAN Xiao, JIN Long, SHI Yue, MA Yan-lei	(67)
Investigating Relationship Between Renal Damage and Endoplasmic Reticulum Stress in Diabetic Kidney Disease Rats with Blood Stasis Syndrome Based on Combination of Disease and Syndrome	
PANG Xin-xin, PENG Zi-ning, XING Yu-feng, HAN Jia-rui, SUN Xin-yu	(74)
Effect of Puerariae Lobatae Radix on Expression of Endoplasmic Reticulum Stress Related Proteins GRP78 and ATF6 in T2DM Rats	
ZHANG Lu-yu, LIU Yu-hui, YOU Yu, LIU Rong-hua, LIU Hao-kun, WANG Hai-bei, HUANG Hai-hua	(82)
Effect of Fangfeng Tongshengtang on Early-stage Serum Endotoxin and Programmed Death-1 / Programmed Death Ligand-1 in Patients with Hepatitis B Virus related Acute-on-chronic Liver Failure	
LI Jian-hong, QIU Teng-yu, MO Xiao-ai, ZHANG Lei, ZHUANG Jian-hai, JIANG Kai-ping	(88)
Effect of Wenjing Huayu Zhitong Therapy in Treating Primary Dysmenorrhea and Its Regulatory Mechanisms on T Cell Subsets	
WANG Dan-dan, WANG Dong-mei, CAI Ping-ping, MENG Ying-ying, ZHAI Feng-ting	(94)
Clinical Efficacy of Shashen Maidongtang Plus Total Glucosides of Paeony Capsule in Treatment of Primary Sjogren's Syndrome with Based on Theory of Fluid Metabolism	
LI Zeng-bian, ZHOU Quan, ZHANG Guo-sheng, ZHANG Pan-ke	(100)
Effect of Jingui Shenqiwan Combined with Fracture Three-stage Syndrome Differentiation on Recovery of Patients with Osteoporotic Vertebral Compression Fractures After Operation	
TANG Bao-ming, LI Zhao-wei, YANG Ai-rong, WANG Zhuo-ya	(105)
Clinical Observation of Qingre Tiaoxue Decoction Combined with Wuwei Xiaodu Drink in Enema Treatment of Sequelae of Pelvic Inflammatory Disease	
HU Chun-fang, JIAN Hao, CHEN Jiao-jie, XIONG Yuan-huan	(111)
Comparative Analysis of Effect of Houpu Wenzhongtang Combined Decoction and Simple Decoction on Urine Metabonomics of Rats with Deficiency-cold of Spleen and Stomach	
YAN Jun, WU Si-fang, LIU Li, JIANG Hong-xia, QI Ke-xuan, FENG Xiu-wen, LIU Jian-qun	(117)
Optimization of Processing Technology of Salt-processed Products of Plantaginis Semen Based on Response Surface Method and AHP-CRITIC Mixed Weighting Method and Investigation of Its Diuretic Effect	
LI Chao, YU Huan, WEN Rou, YAN Li-ping, GONG Qian-feng, ZHONG Ling-yun, ZHANG Jin-lian	(124)

Systematic Identification and Quality Evaluation of Anemonis Flaccidae Rhizoma from 16 Different Places of Origin
HU Xin, WANG Xu, LIU Man, PEI Hong, ZHU Zhi-guo, HUANG Bi-sheng, LIU Yi-fei, SONG Cheng-wu, HU Zhi-gang (132)

Effect of Shading on Growth and Photosynthetic Physiological Parameters of *Acanthopanax senticosus*
XU Ming-yuan, WANG Qian-bo, GUO Sheng-lei, TANG Zhong-hua, NI Hong-wei, LI Feng-xia, LIU Jia, WANG Zhen-yue (140)

Transcriptome-wide Identification and Expression Profiles of WRKY Transcription Factor in *Prunella vulgaris*
ZHU Yun-hao, CHEN Zhi-heng, DONG Cheng-ming (146)

Regulatory Effect of Qiwei Baizhusan on Liver Tissue Insulin PI3K/Akt Signal Pathway in Diabetic Mice
LIU Shi-qi, LI Ji, WANG Yan (153)

Analysis on Mechanisms of Modified Guipitang in Treatment of Yin-Fire Insomnia with Anxiety Based on Network Pharmacology
LIU Fei-xiang, LIN Zi-xuan, ZHANG Huai-liang, YANG Ke-qin, ZHANG Dao-pei, XU-Jin, FAN Xiao-fei, WANG Yong-tao, LI Dan, ZHAO Yu-nan (161)

Research Status of Gouty Arthritis at Home and Abroad-Visual Analysis Based on CiteSpace Software
YANG Ting, ZHANG Xiao-meng, ZHANG Bing, LIN Zhi-jian, JIANG Zhuo-xi, GUO Fan-fan (169)

Progress of Historical Evolution of Processing, Chemical Compositions and Pharmacological Effects of *Foeniculi Fructus*
WANG Jin-jin, WU Qi-tong, SHI Bo, ZHOU Ning, LI Kai, ZHANG Zhen-ling (178)

Effect of Chinese Medicine Regulating Protein Phosphorylation on Tumorigenesis and Development
JIANG Shi-yuan, SI Fu-chun, WANG Wen-bin, LIU Zi-ti, ZHANG Piao, ZHAO Xin-jie (191)

Theoretical and Clinical Evidences of Dispelling Wind and Eliminating Dampness Therapy for Allergic Rhinitis
ZHANG Xiao-yang, LIAN Zeng-lin, SUN Jin-lv, SUN Qing, WANG Zhen, LIAN Xin-yi (198)

Current Research Status of Aptamer-mediated Liposome Targeted Delivery of Antitumor Drugs
ZHU Kun, YANG Zhong-lan, ZHANG Xiao-qing, NING Shuang-cheng, ZHOU Li-li, ZOU Man-shu, XIA Xin-hua (206)

Advances in Mechanism of Traditional Chinese Medicines and Its Active Ingredients

Treating Dyslipidemia
GENG Xiu-chao, ZHANG Yu-hao, JING Jia-xing, ZHU Zhong-rui, LI Qiang, YU Wen-tao (213)

Regulatory Mechanism of Traditional Chinese Medicine in Promoting Angiogenesis After Cerebral Infarction Based on STAT3/miRNA Feedback Loop
YANG Ren-yi, ZHOU De-sheng, FU Xin-ying, YAN Si-yang, GONG Cui-lan, MA Qiang, LIU Li-juan (221)

Research Progress on Mechanism of Tongxie Yaofang in Treating Diarrhea-Predominate Irritable Bowel Syndrome Based on Brain-gut Interaction Function
LI Xia, WANG Feng-yun, WU Hao-meng, QIN Jin-yan, MA Jin-xin, TANG Xu-dong (229)

Responsible editor: SUN Cong-cong

□喉健康信赖

三金西瓜霜

OTC

咽喉
肿痛

咽喉
肿痛

咽喉
肿痛



百年护喉 专业对口

咽喉肿痛 痛快出击
请用桂林西瓜霜含片

症状：●咽喉肿痛

- 【匠心选材】由西瓜霜、硼砂(煅)、黄柏、黄连、山豆根、射干、浙贝母、青黛、冰片、无患子果(炭)、大黄、黄芩、甘草、薄荷脑十余种中药精制而成。
- 【守护咽喉】主治清热解毒、消肿止痛。用于咽喉肿痛，口舌生疮，牙龈肿痛或出血，口疮；急、慢性咽炎，扁桃体炎，口腔溃疡等。
- 【百年传承】传承百年药方，优质品质值得信赖。

桂林三金药业股份有限公司

请按药品说明书或在药师指导下购买和使用 禁忌：孕妇及哺乳期妇女禁用。不良反应：尚不明确。批准文号：国药准字Z10980143 桂药广审(文)第2020010021号 广告
北京市药监局2020年3月准予备案

国内发行：邮发代号 2-417
国外发行：订阅代号 SM4655

ISSN 1005-9903
CN 11-3495/R

定价：48.00元

ISSN 1005-9903



20

万方数据