

中国科技核心期刊

中国学术期刊综合评价数据库统计源期刊

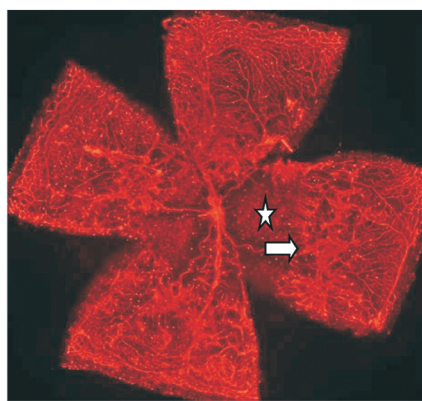
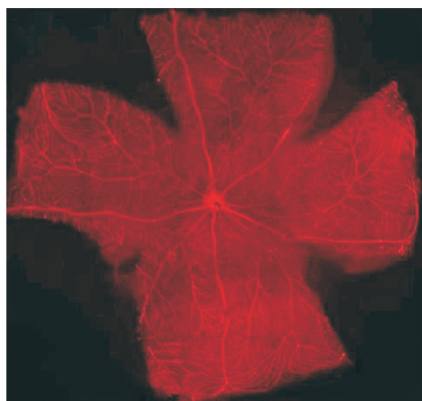
中国标准连续出版物号: ISSN 2095-1116
CN 43-1509/R

Medical Science Journal of
Central South China

中南医学科学杂志

促红细胞生成素在视网膜新生血管形成中的作用

江海波, 邓娅青, 熊思齐, (中南大学湘雅医院眼科中心, 湖南 长沙 410008; 眼科学湖南省重点实验室, 湖南 长沙 410008)



ISSN 2095-1116



2020年7月

第4期
第48卷

万方数据

中南医学科学杂志

ZHONGNAN YIXUE KEXUE ZAZHI

第四十八卷

第四期

二〇二〇年

中南医学科学杂志

ZHONGNAN YIXUE KEXUE ZAZHI

双月刊

1973 年创刊

第 48 卷第 4 期

2020 年 7 月出版

主 管

湖南省教育厅

主 办

南华大学

编辑出版

《中南医学科学杂志》编辑部

地址: 湖南省衡阳市, 南华大学内

邮政编码: 421001

电话: 0734-8160781

E-mail: znyxkxzz@vip.163.com

网址: <http://nhqks.cnjournals.com/yx/>

主 编

文格波

副主编

吴移谋 姜志胜

雷小勇 陆前进

编辑部主任

秦旭平

广告经营许可证号

4304047440022

印 刷

长沙市和一印刷设备有限公司

发 行

国内: 中国邮政集团公司湖南省报刊发行局

国外: 中国国际图书贸易集团有限公司

(中国北京 399 信箱, 100044)

订 购

全国各地邮局

邮发代号: 国内 42-396

国外 Q4353

邮 购

《中南医学科学杂志》编辑部

定 价

每期 10 元, 全年 60 元

中国标准连续出版物号

ISSN 2095-1116

CN 43-1509/R

本刊刊出文章均不代表本刊编委会和编辑部的观点。
本刊若有印刷和装订质量问题, 请向编辑部对换。

目 次

■ 讲座与综述

- 子宫颈癌筛查方法的研究进展 卜相冉, 王 炯 (337)
- 肺炎链球菌对 β -内酰胺类抗生素耐药机制的研究进展
..... 谭赛娟, 彭华保, 陈虹亮 (342)

■ 论著

· 心血管系统疾病 ·

- 4-PBA 对大鼠肺动脉高压的作用及药理机制
..... 王欣月, 孙文锦 (346)
- 吴茱萸次碱通过调控表皮生长因子受体活化抑制高血压心肌肥大
..... 严秋江, 范秀晶, 杨 妍, 杨水源, 梁金成, 曾泗宇 (349)
- 骨标志物水平与 2 型糖尿病患者心血管疾病风险研究
..... 刘 艳, 曾高峰 (356)
- 两种冠状动脉旁路移植术的临床效果及餐后血压和心率的比较
..... 葛娟娟, 马燕兰, 谷成晓, 王 茜 (360)
- 红细胞微粒水平与 AMI 冠状动脉血管病变程度的相关性
..... 程庆荣, 李结华 (364)
- 微小 RNA-497 在麝香保心丸治疗 AMI 后心室重构中的作用研究
..... 钟春荣, 符传艺, 张捷君, 符武岛 (368)
- 帕立骨化醇辅助西那卡塞对维持性血液透析 SHPT 患者 FGF-23、
血管钙化的影响 王立娟, 王军升, 尹忠诚 (374)
- AMI 患者血中 EMPs、sICAM-1、Cys-C 水平与冠脉病变的相关性
..... 王爱国, 程彩霞, 蒋翔宇, 王 磊, 蒋赵明, 张 婷 (378)

· 代谢与内分泌系统疾病 ·

- 汉黄芩素对 2 型糖尿病小鼠糖尿病视网膜病变的影响
..... 颜 彦, 吴 琳, 郑海龙 (382)
- 长沙地区体检人群维生素 D 水平及其与血尿酸的关系
..... 王晓华, 栗文晖, 曾雅琳, 黄 浦, 肖化军 (386)

· 妇产科疾病 ·

- 褪黑素对卵巢癌 SKOV3 细胞侵袭、迁移和血管生成的影响
..... 陈亦清, 朱雯婷, 李振华, 岑 怡, 严鹏科 (389)
- α -亚麻酸对戊酸雌二醇诱导的多囊卵巢综合征大鼠的影响
..... 吴美丽, 王德莹, 刘 国 (395)

孕期胎盘生长因子动态检测联合高危因素对子病前期的预测价值	吴 鹏,陶 婷,施 芳,王湘东,孙中平,王 佐,吴仕元(399)
三阴性乳腺癌术后骨转移与血清 PRL、IL-1 β 以及 BSP 表达之间的关联探索	马宇光,赵 芳,王 梦,梁 亮,贾丽君,张淑群(403)
安列克联合葡萄糖酸钙防治宫缩乏力性产后出血的效果观察	汪 芬,蒋 晖,方莉莉,杨春玲,金彩凤,许海娟,朱欣欣(406)
经髂内动脉灌注化疗联合 ¹²⁵ I 粒子植入对宫颈癌根治性放疗后复发的临床观察	邓梨平,程瑞文,李 平,曹亚衡,刘 羽(409)

• 骨关节与脊柱损伤 •

三种手术入路方案治疗胸腰椎骨折患者的疗效及影响预后相关因素分析	邢 伟,刘剑峰(413)
人工髋关节置换治疗股骨颈骨折合并尿毒症的疗效及安全性分析	刘 超,戴 慧(418)

• 呼吸系统疾病 •

固本平喘膏联合布地奈德和沙丁胺醇治疗小儿支气管哮喘的临床疗效及机制	胡德玉,尚迎春,滕玉凤(422)
维生素 A 对闭塞性细支气管炎患儿疗效的影响	彭贻界,李正涛,邓宏艳(425)
榄香烯注射液联合顺铂治疗恶性胸腹腔积液的临床观察	江联萍,李安琪,谭 越,杨 梅,牛 卫(428)

• 神经系统疾病 •

2 型糖尿病伴缺血性卒中患者基底动脉 VW-MRI 成像的临床应用	谢佩含,周 宏,董雨岚,伍慧婷,刘进才,胡 骏(432)
-----------------------------------	------------------------------

• 眼科疾病 •

促红细胞生成素在视网膜新生血管形成中的作用	江海波,邓娅青,熊思齐(436)
-----------------------	------------------

• 技术与方法 •

23G 光导纤维非接触广角系统巩膜扣带术治疗原发性孔源性视网膜脱离	江海波,邓娅青,王 楠,熊思齐(440)
-----------------------------------	----------------------

■ 小专论

Alipogene Tiparovec 基因治疗家族脂肪酶缺陷症的现状	全海燕,江 兴(443)
EMMPRIN 与结直肠癌研究进展	夏 童,邓 媛,谢江波(447)

Medical Science Journal of Central South China

Bimonthly, Established in 1973

Volume 48, Number 4

July, 2020

Responsible Institution

Department of Education of
Hunan Province

Sponsoring Institution

University of South China

Editor and Publisher

Editorial Staff of Medical
Science Journal of Central
South China
University of South China,
Hengyang 421001, Hunan, China
Tel: 0734-8160781
E-mail: znyxkzz@vip.163.com
<http://nhqks.cnjournals.com/yx/>

Editor-in-chief

WEN Gebo

Associate editor-in-chief

WU Yimou JIANG Zhisheng
LEI Xiaoyong LU Qianjin

Managing Director

QIN Xuping

Printing

Changsha Heyi Printing Equipment
Co., Ltd

Overseas Distributor

China International Book
Trading Corporation
P. O. box 399, Beijing, China
Code No. Q4353

Domestic Subscription

Post Office, China
Code No. 42-396

Mail-Order

Editorial Staff of Medical
Science Journal of Central
South China
University of South China

CSSN

ISSN 2095-1116
CN 43-1509/R

Price

¥10.00

All articles published represent the
opinions of authors and do not reflect
the official policy of the journal or the
editorial board.

This issue was edited by
Qin Xuping, JIANG Xianglian

CONTENTS

■ LECTURES AND SUMMARIES

Research progress of screening methods for cervical cancer

..... BU Xiangran, WANG Jiong(337)

Research progress of resistance mechanism of Streptococcus pneumoniae against

β -lactams antibiotics TAN Saijuan, PENG Huabao, CHEN Hongliang(342)

■ ORIGINAL ARTICLE

· CARDIOVASCULAR AND CEREBROVASCULAR DISEASES ·

The effect and pharmacological mechanism of 4-PBA on pulmonary hypertension in rats

..... WANG Xinyue, SUN Wenjin(346)

Rutaecarpine against hypertensive cardiac hypertrophy via inhibiting epidermal growth

factor receptor activation YAN Qiujiang, FAN Xiuqing,
YANG Yan, YANG Shuiyuan, LIANG Jincheng, ZENG Siyu(349)

Study of the bone markers and the risk of cardiovascular disease in patients with

type 2 diabetes mellitus LIU Yan, ZENG Gaofeng(356)

Comparison of clinical efficacy and postprandial blood pressure and heart rate changes

of two coronary artery by pass grafts
..... GE Juanjuan, MA Yanlan, GU Chengxiao, WANG Xi(360)

Relationship between red blood cell microparticle particles and severity of coronary

artery disease in AMI patients CHENG Qingrong, LI Jiehua(364)

Role of microRNA-497 in ventricular remodeling of acute myocardial infarction treated

by Shexiang Baoxin Pill
..... ZHONG Chunrong, FU Chuanyi, ZHANG Jiejun, FU Wudao(368)

Effect on vascular calcification and FGF-23 in maintenance hemodialysis patients

with SHPT by using paracetamol supplemented with silicatan
..... WANG Lijuan, WANG Junsheng, YIN Zhongcheng(374)

Correlation of plasma EMPs, serum sICAM-1, Cys-C levels with coronary artery lesion

in patients with AMI WANG Aiguo, CHENG Caixia,
JIANG Xiangning, WANG Lei, JIANG Zhaoming, ZHANG Ting(378)

· METABOLISM AND ENDOCRINE SYSTEM DISEASES ·

Effect of baicalin on diabetic retinopathy in type 2 diabetic mice

..... YAN Yan, WU Lin, ZHENG Hailong(382)

Serum vitamin D levels and its correlation with blood uric acid in Changsha adults of Hunan province

..... WANG Xiaohua, LI Wenhui, ZENG Yalin, HUANG Pu, XIAO Huaqun(386)

• OBSTETRICS AND GYNECOLOGY DISEASES •

Effect of melatonin on invasion, migration and angiogenesis of ovarian cancer SKOV3 cells

..... CHEN Yiqing, ZHU Wenting, LI Zhenhua, CEN Yi, YAN Pengke(389)

The effect of alpha-Linolenic acid on EV-induced PCOS rats WU Meili, WANG Deying, LIU guo(395)

Predictive value of dynamic detection of placental growth factor during pregnancy and high risk factors for pre-eclampsia

..... WU Peng, TAO Ting, SHI Fang, WANG Xiangdong, SUN Zhongping, WANG Zuo, WU Shiyuan(399)

A study of the association between bone metastasis and serum PRL, IL-1 β and BSP expression in triple negative breast

cancer patients MA Yuguang, ZHAO Fang, WANG Meng, LIANG Liang, JIA Lijun, ZHANG Shuqun(403)

The effect of alec combined with calcium gluconate in the prevention and treatment of postpartum hemorrhage due to uterine

atony WANG Fen, JIANG Hui, FANG Lili, YANG Chunling, XU Haijuan, ZHU Xinxin(406)

Clinical observation of recurrent cervical cancer after radical radiotherapy with internal iliac arterial infusion chemotherapy

combined with ¹²⁵I seed implantation DENG Liping, CHENG Ruiwen, LI Ping, CAO Yaheng, LIU Yu(409)

• OSTEOARTHROPATHY AND SPINE INJURY •

Effects of three surgical approaches on patients with thoracolumbar fractures and analysis of related factors affecting prognosis

..... XING Wei, LIU Jianfeng(413)

Analysis of the efficacy and safety of hip arthroplasty in treatment of femoral neck fracture combined with uremia

..... LIU Chao, DAI Hui(418)

• RESPIRATORY DISEASES •

Clinical observation of elemene injection combined with cisplatin in the treatment of malignant pleural and peritoneal effusion

..... JIANG Lianping, LI Anqi, TAN Yue, YANG Mei, NIU Wei(428)

• NERVOUS SYSTEM DISEASES •

Clinical application of high-resolution vessel wall magnetic resonance imaging in basilar artery of patients with type 2 diabetes

mellitus and ischemic stroke XIE Peihan, ZHOU Hong, DONG Yulan, WU Huiting, LIU Jincan, HU Jun(432)

• OPHTHALMIC DISEASES •

The effect of erythropoietin in the development of retinal neovascularization

..... JIANG Haibo, DENG Yaqing, XIONG Siqu(436)

• TECHNOLOGY AND METHOD •

The effect of scleral buckling under non-contact WAVS with 23 G endoilluminator on primary rhegmatogenous retinal detachment

..... JIANG Haibo, DENG Yaqing, WANG Nan, XIONG Siqu(440)

■ MINI REVIEWS

Current status of Alipogene Tiparovec gene therapy for familial lipase deficiency QUAN Haiyan, JIANG Xing(443)

Research progress of emmprin and colorectal cancer XIA Tong, DENG Yuan, XIE Jiangbo(447)