

# JICHU YIXUE YU LINCHUANG

基础医学与临床

第四十卷

第九期

2020年九月

北京生理科学会

中国科技核心期刊  
中国科技论文统计源期刊  
中国学术期刊影响因子年报统计源期刊  
中国科学引文数据库来源期刊

ISSN 1001-6325  
CN 11-2652/R

# 基础医学与临床

2020年9月 第40卷 第9期

BASIC  
AND  
CLINICAL  
MEDICINE

Volume 40 Number 9  
September 2020

ISSN 1001-6325



09>

9 771001 632200

北京市科学技术协会 主管

北京生理科学会 主办

# 基础医学与临床

JICHU YIXUE YU LINCHUANG

月刊

1981 年 6 月创刊

第 40 卷

第 9 期

2020 年 9 月 5 日

## 研究论文

- 1 $\alpha$ ,25-二羟基维生素 D<sub>3</sub> 抑制人结肠癌细胞系 SW480 中  $\beta$ -catenin 转录活性 ..... (1169)  
辛 玉,贺龙梅,杨 红,吕 红,谭 蓓,汪红英,钱家鸣
- CRISPR/Cas9 介导下敲除 *KNDC1* 的人脐静脉内皮细胞具有抗衰老能力 ..... (1175)  
孙靖玉,姚 赫,胡 刚,魏 洁,郭 君,张 鑫,林雅军
- $\beta$ -654 地中海贫血小鼠骨髓红系终末分化的阶段特异性转录组特征 ..... (1182)  
史丽芳,余东林,刘雪会,吕 湘
- 一例罕见的分泌醛固酮的肾上腺皮质癌的全外显子测序 ..... (1190)  
王慧萍,常晓燕,马晓森,童安莉
- 5-羟色胺对重症社区获得性肺炎严重程度的预测研究 ..... (1195)  
何 权,刘丹瑜,叶 君,张艳丽,朱华栋,蒋澄宇,徐 军
- 胃复安预防羟考酮诱导的恶心呕吐的前瞻性观察 ..... (1201)  
崔 丽,于 壮
- 肾损伤分子-1 参与碘对比剂致人肾小管上皮细胞系 HK-2 凋亡 ..... (1206)  
于 锐,张新茹,王丹丹,何 平,白 瑜,田 密,张蓓茹
- 分泌型卷曲相关蛋白 2 抑制人结直肠癌细胞系 SW480 的增殖和迁移 ..... (1212)  
周 菁,李索妮
- 黄芪总皂苷对心衰大鼠心肌细胞凋亡和线粒体膜电位的影响 ..... (1218)  
尤 旭,朱小芳,胡运鹏,龚 杨,赵 磊
- 过表达 miR-299-3p 抑制人肾癌细胞系增殖和迁移 ..... (1224)  
李玖玲,张子归,郭 莉
- hsa-miR-4483 促进人乳腺癌细胞系的增殖和迁移 ..... (1230)  
阳德全,李常有,崔军威,韦 伟,王少平
- Cajal 间质细胞数量在反复膀胱炎大鼠膀胱中增加 ..... (1237)  
高 峰,张士更,张 楠,文甲明,虞旗旗,黄亚胜
- 麻醉后恢复室患者低氧血症发生率及高危因素的回顾性分析 ..... (1242)  
张良燕,唐 帅,张秀华,韩 伟,薛 杨,田 伊,黄宇光

## 临床研究

- 围青春期垂体性巨人症患者的临床特点 ..... (1247)  
杨莹莹,罗云云,陈 适,王林杰,姚 勇,邓 侃,朱惠娟,潘 慧

## 短篇综述

- 人造卵巢的研究进展 ..... (1252)  
吴思婷,李 娜,魏敏丽,郑莉萍

SDF-1/CXCR4 在肿瘤相关成纤维细胞中的作用 ..... (1256)

于 虹, 刘 晴, 吴晓明

COVID-19 疫情期间非隔离诊区超声设备的消毒 ..... (1261)

孟 伟, 王若蛟, 吕 珂, 张一休, 李建初, 李文波, 王 铭

## 医学教育

文献讲解在生理学教学中的应用 ..... (1266)

严白柳, 成洪聚, 于 婷, 刘文彦

基于新鲜尸体的结构化培训在经阴道植入网片盆底重建手术教学中的应用 ..... (1269)

陈 娟, 史宏晖, 张 林, 张国瑞, 王乃利, 朱 兰

结果导向教育理念指导下微生物遗传学 BOPPPS 教学模式的实践探索 ..... (1273)

王 亮, 梁世倩, 赵俊龙, 胡昳旸, 王 涛, 郑敏化, 秦鸿雁

混合式教学在心血管磁共振培训中的应用及反馈分析 ..... (1277)

徐 晶, 陆敏杰

医学神经生物学实验室安全管理探究 ..... (1281)

韩文娟, 罗 层, 解柔刚, 王文挺, 武胜昔

心血管病专科医师规范化培训中自成长能力培养的探索 ..... (1285)

贾倩羽, 高旭滨, 刘 川, 吕海霖, 翁飞燕, 黄 岚

加速康复外科多元化教学在西藏自治区麻醉教学中的探索与实践 ..... (1289)

刘子嘉, 申 乐, 张 捷, 拉巴次仁, 黄宇光

第二课堂开展临床导向解剖学讨论课的实践 ..... (1295)

申新华, 贾梓淇, 郑 华, 曹逸涵, 潘 慧, 刘 伟, 马 超

PDCA 循环理论在物理诊断教学中的应用 ..... (1299)

肖 鑫, 王 微, 李小康, 石 磊, 赵志敬, 黄亚渝, 梁 蓉

科研培训作为临床住院医师规培的必要性、困难和解决途径 ..... (1303)

马璐璐, 谭 刚

八年制临床医学专业口腔医学课程的线上教学探索 ..... (1306)

董海涛, 郭春岚, 万 阔, 赵继志

精准医学时代下医学遗传学教学的新思路 ..... (1310)

刘雅萍, 张 学

## 新闻点击

..... (1174) · (1181) · (1200) · (1211) · (1236) · (1255) · (1265) · (1284) · (1294)

(1298) · (1302) · (1305) · (1309)

## 本刊公告

本刊自 2020 年起封面及网页改版公告 ..... (1241)

《基础医学与临床》稿约 ..... (封三)

本期执行编委: 章静波 方福德 朱广瑾 孙仁宇 李俊发 文允镒

崔莲仙 许彩民 韩如泉 蔡 军 刘 力 曾武威

中文责任编辑: 王 欣 薛惠文

英文责任编辑: 管远志

## Original Articles

- 1 $\alpha$ ,25-Dihydroxyvitamin D<sub>3</sub> inhibits  $\beta$ -catenin transcriptional activity in human colon cancer cell line SW480** ..... (1169)  
*XIN Yu, HE Long-mei, YANG Hong, LYU Hong, TAN Bei, WANG Hong-ying, QIAN Jia-ming*
- HUVECs with KNDC1 knockout mediated by CRISPR/Cas9 have anti-aging ability** ..... (1175)  
*SUN Jing-yu, YAO He, HU Gang, WEI Jie, GUO Jun, ZHANG Xin, LIN Ya-jun*
- Characterizing stage-specific transcriptome of terminal erythroid differentiation in bone marrow of  $\beta$ -654 thalassemia mice** ..... (1182)  
*SHI Li-fang, YU Dong-lin, LIU Xue-hui, LYU Xiang*
- Whole-exome sequencing for a rare case of aldosterone-producing adrenocortical carcinoma** ..... (1190)  
*WANG Hui-ping, CHANG Xiao-yan, MA Xiao-sen, TONG An-li*
- Predictive research of 5-hydroxytryptamine in severity of severe community-acquired pneumonia** ..... (1195)  
*HE Quan, LIU Dan-yu, YE Jun, ZHANG Yan-li, ZHU Hua-dong, JIANG Cheng-yu, XU Jun*
- Prospective observation of metoclopramide in preventing nausea and vomiting induced by oxycodone** ..... (1201)  
*CUI Li, YU Zhuang*
- Kidney injury molecule-1 is involved in the apoptosis of renal tubular cell line HK-2 induced by iodine contrast** ..... (1206)  
*YU Rui, ZHANG Xin-ru, WANG Dan-dan, HE Ping, BAI Yu, TIAN Mi, ZHANG Bei-ru*
- Secreted frizzled-related protein 2 inhibits the proliferation and migration of human colorectal cancer cell line SW480** ..... (1212)  
*ZHOU Jing, LI Suo-ni*
- Effects of total astragalosides on cardiomyocyte apoptosis and mitochondrial membrane potential in rats with heart failure** ..... (1218)  
*YOU Xu, ZHU Xiao-fang, HU Yun-peng, GONG Yang, ZHAO Lei*
- Over-expression miR-299-3p inhibits proliferation and migration of renal carcinoma cell lines** ... (1224)  
*LI Jiu-ling, ZHANG Zi-gui, GUO Li*
- hsa-miR-4483 promotes the proliferation and migration of breast cancer cell lines** ..... (1230)  
*YANG De-quan, LI Chang-you, CUI Jun-wei, WEI Wei, WANG Shao-ping*
- Number increase of Cajal interstitial cells in bladder of rats with recurrent cystitis** ..... (1237)  
*GAO Feng, ZHANG Shi-geng, ZHANG Nan, WEN Jia-ming, YU Qi-qi, HUANG Ya-sheng*
- Incidence of hypoxemia in a post-anesthesia care unit and relevant risk factors** ..... (1242)  
*ZHANG Liang-yan, TANG Shuai, ZHANG Xiu-hua, HAN Wei, XUE Yang, TIAN Yi, HUANG Yu-guang*

## Clinical Sciences

- Clinical characteristics of patients with pituitary gigantism during puberty** ..... (1247)  
*YANG Ying-ying, LUO Yun-yun, CHEN Shi, WANG Lin-jie, YAO Yong, DENG Kan, ZHU Hui-juan, PAN Hui*

## Mini Reviews

- Research progress on artificial ovary** ..... (1252)  
*WU Si-ting, LI Na, WEI Min-li, ZHENG Li-ping*

**Role of SDF-1/CXCR4 in cancer-associated fibroblasts** ..... (1256)

*YU Biao, LIU Qing, WU Xiao-ming*

**Disinfection of ultrasonic equipment in non-isolated diagnosis area in COVID-19 epidemic situation**

..... (1261)

*MENG Wei, WANG Ruo-jiao, LYU Ke, ZHANG Yi-xiu, LI Jian-chu, LI Wen-bo, WANG Ming*

## **Medical Education**

**Application of literature presentation in physiology teaching** ..... (1266)

*YA Bai-liu, CHENG Hong-ju, YU Ting, LIU Wen-yan*

**Effect of transvaginal mesh pelvic floor reconstructive surgery structured training based on the fresh cadaver specimens** ..... (1269)

*CHEN Juan, SHI Hong-hui, ZHANG Lin, ZHANG Guo-rui, WANG Nai-li, ZHU Lan*

**Practices of BOPPPS mode in microbial genetics teaching guided by an outcome-based education concept** ..... (1273)

*WANG Liang, LIANG Shi-qian, ZHAO Jun-long, HU Yi-yang, WANG Tao, ZHENG Min-hua, QIN Hong-yan*

**Application and feedback analysis of blending learning in CMR training** ..... (1277)

*XU Jing, LU Min-jie*

**Safety management of medical neurobiology laboratory** ..... (1281)

*HAN Wen-juan, LUO Ceng, XIE Rou-gang, WANG Wen-ting, WU Sheng-xi*

**Training of self-regulated capability building in the standardized training for cardiologists** ..... (1285)

*JIA Qian-yu, GAO Xu-bin, LIU Chuan, LYU Hai-lin, WENG Fei-yan, HUANG Lan*

**Exploration and practice of diversity pedagogy on enhanced recovery after surgery (ERAS) in clinical training of anesthesiology performed in Tibet Autonomous Region** ..... (1289)

*LIU Zi-jia, SHEN Le, ZHANG Jie, Labaciren, HUANG Yu-guang*

**Implementation of clinically oriented seminars as a supplementary course in human anatomy curriculum** ..... (1295)

*SHEN Xin-hua, JIA Zi-qi, ZHENG Hua, CAO Yi-han, PAN Hui, LIU Wei, MA Chao*

**Application of PDCA cycle theory in the teaching of physical diagnostics** ..... (1299)

*XIAO Xin, WANG Wei, LI Xiao-kang, SHI Lei, ZHAO Zhi-jing, HUANG Ya-yu, LIANG Rong*

**Necessity, difficulty and solutions of research training in residency program** ..... (1303)

*MA Lu-lu, TAN Gang*

**Exploring online teaching of stomatology in eight-year program of clinical medicine** ..... (1306)

*DONG Hai-tao, GUO Chun-lan, WAN Kuo, ZHAO Ji-zhi*

**A new strategy of teaching medical genetics in the era of precision medicine** ..... (1310)

*LIU Ya-ping, ZHANG Xue*

## **Medicine News**

..... (1174) · (1181) · (1200) · (1211) · (1236) · (1255) · (1265) · (1284) · (1294)  
..... (1298) · (1302) · (1305) · (1309)

**Instruction for Authors** ..... (inside back cover)