

1974年5月创刊 半月刊 第45卷 第11期 2018年6月10日出版

**主管**

国家卫生健康委员会  
北京市西城区西直门外南路1号,  
100044

**主办**

中华预防医学会  
北京市朝阳区潘家园华威里25号,  
100021  
四川大学华西公共卫生学院  
成都市人民南路三段17号,610041

**编辑**

《现代预防医学》杂志编辑委员会

**出版**

《现代预防医学》杂志社  
成都市人民南路三段17号,610041  
电话:(028)85502771,85503354  
传真:(028)85501291

**名誉主编**

戴志澄 詹承烈 倪宗瓚 张朝武  
马 骁

**主编**

李晓松

**常务副主编**

裴晓方

**编辑部主任**

宛小燕

**印刷**

成都市富生实业有限公司

**发行范围**

国内外公开发行

**发行**

国内:四川省报刊发行局  
国外:中国国际图书贸易总公司  
北京海淀区车公庄西路35号,  
100044

刊代号:6819(MQ)

**订购**

全国各地邮局 邮发代号 62-183

**广告经营许可证**

川临广审字 96(055)号

**定价**

每期 15.00 元 全年 360.00 元

**中国标准连续出版物号**

ISSN 1003-8507

CN 51-1365/R

CODEN XYIYFS

**2018年本刊版权归《现代预防医学》**

**杂志社所有**

本刊刊出的所有文章不代表中华预防医学会和本刊编委会的观点,除非特别声明

如有印装质量问题,请向本刊编辑部调换

# 目 次

## 流行病与统计方法

- 人工神经网络模型在预测重症手足口病中的应用研究  
..... 王斌,冯慧芬,黄平,等(1921)
- 上海市儿童医院近五年水痘患者流行病学特征分析  
..... 周丽,陈科,严剑婷,等(1925)
- 2013-2016年北京市西城区诺如病毒感染聚集性疫情流行特征分析  
..... 刘潇潇,陈瑜,李继珊,等(1929)
- 2010-2016年徐州市人间布鲁氏菌病流行特征分析  
..... 毕俊,孙传武,蒋春梅,等(1932)
- 2005-2016年德州市人间布鲁氏菌病的流行特征分析  
..... 魏新梅,崔永彪,李晓梅,等(1935)
- 国外呼吸道腺病毒流行病学特征及防控策略  
..... 陈伟,王盛书,张文义,等(1939)

## 环境与职业卫生

- 中山市居室装修对儿童哮喘样症状的影响  
..... 张浩玲,郭艳,何伦发,等(1943)
- 2007-2016年上海市闵行区放射工作人员健康状况调查  
..... 尤佳恺,陈丽,应圣洁,等(1948)
- 虾青素对足球运动员冬训血清炎症因子的影响  
..... 孙华,李冬,于凌霞,等(1952)

## 营养与食品卫生

- 饮食性肥胖抵抗的研究现状 ..... 张梦洁,包艳(1957)
- 秦皇岛近海域海产品中铅、镉、汞、砷检测与安全性评价  
..... 王浩然,伊丽丽,王红卫,等(1960)
- 兰州市汉族女生营养状况与月经初潮的相关性研究  
..... 张俊梅,陈鸣,李亚红,等(1964)

1974 年 5 月创刊 半月刊 第 45 卷 第 11 期 2018 年 6 月 10 日出版

2010 - 2016 年宁夏食源性疾病暴发事件流行特征分析 ..... 倪文思,王秀琴,袁秀娟,等(1967)

## 儿少卫生与妇幼保健

低出生体重儿全血氨基酸水平的变化 ..... 万婷,刘洪喜,杨宇奇,等(1971)

海口市学龄前儿童孤独症谱系障碍筛查率及其影响因素 ..... 刘颖,林尧,黄丽红(1975)

分娩镇痛对产后抑郁症影响的 meta 分析 ..... 李蕾,胡逸凡,许欢,等(1980)

深圳市孕妇 B 族链球菌携带与影响因素分析 ..... 曹雪莲,温国明,颜春荣,等(1986)

## 基层卫生服务

基于 CNKI 数据库的 2007 - 2017 年社区老年护理研究的可视化分析 ..... 刘华雪,于文静,张爱华(1992)

## 卫生政策与管理

医保总额预付制对公立医院产生的宏观影响 ..... 严琴,马利,彭云红,等(1996)

## 健康与社会行为

天门市居民健康素养现状与健康教育需求调查 ..... 王义华,熊伟,乔正花,等(1998)

童年期虐待与医科大学生心理亚健康的关联性研究 ..... 邵宁,马玄,宋先兵,等(2004)

白内障患者生命质量及其相关因素分析 ..... 宋佳鑫,王兆京,卢丽丽,等(2009)

大学生人际压力与抑郁、自我同一性及主观幸福感的关系:心理资本的调节作用  
..... 林井萍,陈龙丹,刘守乾(2013)

基于健康生态学理论的干预模式对高龄空巢老人身心健康状况的影响 ..... 陈长香,李晓凯,郝习君(2017)

## 实验技术及其应用

沉默 PLIN1 基因与异丙肾上腺素对 3T3 - L1 脂肪细胞脂解的机制探究 ..... 张少华,赵志武,王君实,等(2023)

QuEChERS 净化 - 超高效液相色谱 - 串联质谱法快速测定母乳中 9 种全氟化合物  
..... 李磊,周贻兵,刘利亚,等(2028)

某中药复方对早期糖尿病肾病大鼠肾组织肾素 - 血管紧张素系统的影响因素初探  
..... 刘银,苏笈斌,胡力文,等(2034)

不同时间点锰染毒对大鼠精子质量及性激素的影响研究 ..... 施文祥,欧超玲,陆芳兰,等(2039)

表面活性蛋白 D 基因多态性与肺部疾病易感性的研究进展 ..... 徐丽,谭榜究,李华(2043)

基因芯片技术快速检测结核分枝杆菌耐药性的临床应用研究 ..... 王丹吉,刘巧,卢鹏,等(2047)

一株鱼腥草内生真菌的菌种鉴定及抑菌活性初探 ..... 宋勇,顾玉琴,李小玉,等(2052)

孕期被动吸烟动物模型的制备方法概述 ..... 徐绍业,易瑾希,冯希瑶,等(2056)

## 疾病预防控制

- 内蒙古西部地区蜱虫种类与立克次体携带情况的相关性研究 ..... 乌兰图雅,高娃,殷旭红,等(2059)
- 东莞市 36 例 HIV-1 感染者的原发性耐药及亚型分析 ..... 伦玉华,罗皓,方晓君,等(2063)
- 上海市高校学生男男性行为者艾滋病高危性行为定向干预效果评价 ..... 宣舟斌,商颖,徐湘,等(2067)
- 初治使用含克立芝方案出现病毒学失败 HIV/AIDS 患者耐药情况分析 ..... 刘家法,杨璧琿,张米,等(2073)
- 2013-2017 年渭南市重点人群尿碘检测结果分析 ..... 赵爱珠,侯兴佑,徐向明,等(2077)
- 川崎病与 EB 病毒关系的 meta 分析 ..... 郭沙沙,刘亚轻,朱凯,等(2080)

## 临床与预防

- 不同鼻饲营养途径对重症急性胰腺炎患者血清 C-反应蛋白及安全性影响的 Meta 分析 ... 姚红,甘正辉(2084)
- 新生儿重症监护室 VAP 危险因素及防控措施效果评价 ..... 李娜,刘丽君,冯艳萍,等(2090)
- 2007-2016 年贵州省黔南州居民软组织肉瘤发病特征及变化趋势分析 ..... 蒙光化,黄军,宋发友,等(2094)

## 人才培养

- 国内公共卫生类期刊文献抽样设计质量调查表信效度评价 ..... 李亚茜,张玲,蔺轲,等(2098)
- 国内公共卫生类期刊论文中的调查研究抽样设计质量影响因素探讨 ..... 张雪,蔺轲,宛小燕,等(2103)
- 大学生创新能力问卷的编制 ..... 贺腾飞,梁宝勇(2108)

## 读者·作者·编者

- 作者修稿注意事项 ..... (2089)
- 优先征集国家、省部级基金项目及重点攻关项目论文启事 ..... (2089)
- 作者撰写论文时使用参考文献的要求 ..... (2102)
- 《现代预防医学》正式开通学术不端检测公告 ..... (2107)
- 通告 ..... (2112)

---

本期责任编辑 李斯 Executive Editor LI Si 英文编辑 赵星 English Editor ZHAO Xing

校对 李天舒 Proofreader LI Tian-shu

助理编辑 谢瑶 周婷 Associate Editor XIE Yao ZHOU Ting

总编辑 宛小燕 Chief Editor WAN Xiao-yan

期刊基本参数:CN51-1365/R\*1974\*s\*16\*192\*zh+en\*P\*¥15.00\*8000\*44\*2018-11

E-mail:mpmbjb@163.com

在线办公系统网址:http://www.xdyfyx.com

## CONTENTS IN BRIEF

### Epidemiology and Statistical Methods

**Application of artificial neural network in prediction of severe hand – foot – mouth disease**

..... WANG Bin, FENG Hui – fen, HUANG Ping, et al (1921)

**Epidemiologic evidence of varicella from Shanghai children’s hospital over the past five years**

..... ZHOU Li, CHEN Ke, YAN Jian – ting, et al (1925)

**Epidemiological features of norovirus outbreak in Xicheng District of Beijing, 2013 – 2016**

..... LIU Xiao – xiao, CHEN Yu, LI Ji – shan, et al (1929)

**Epidemiological characteristics of human brucellosis in Xuzhou, 2010 – 2016**

..... BI Jun, SUN Chuan – wu, JIANG Chun – mei, et al (1932)

**Epidemiological analysis of human brucellosis in Dezhou, 2005 – 2016**

..... WEI Xin – mei, CUI Yong – biao, LI Xiao – mei, et al (1935)

**Epidemiological characteristics and prevention and control strategies of foreign respiratory adenovirus**

..... CHEN Wei, WANG Sheng – shu, ZHANG Wen – yi, et al (1939)

### Environmental and Occupational Health

**Effect of home renovation on children with asthma and asthma symptoms, Zhongshan city**

..... ZHANG Hao – ling, GUO Yan, HE Lun – fa, et al (1943)

**Investigation of health status of radiation workers in Shanghai Minhang district, 2007 – 2016**

..... YOU Jia – kai, CHEN Li, YING Sheng – jie, et al (1948)

**Effects of astaxanthin on the serum inflammatory factors of soccer players during winter training**

..... SUN Hua, LI Dong, YU Ling – xia, et al (1952)

Responsible Institution: *National Health and Family Planning Commission of the People’s Republic of China PanJiaYuan*

Sponsor: *Chinese Preventive Medicine Association 25, Warwick, PanJiaYuan, ChaoYang District, Beijing 100021, P.R.China*

*West China School of Public Health Sichuan University 17, Section 3, Renmin Nanlu, Chengdu 610041, P.R.China*

Editing: *Editorial Board of Modern Preventive Medicine*

Honorary Editor – in – chief: *DAI Zhi – cheng, ZHAN Cheng – lie, NI Zong – zan, ZHANG Chao – wu, MA Xiao*

President and Editor – in – chief: *LI Xiao – song* Vice President: *PEI Xiao – fang* Editorial office director: *WAN Xiao – yan*

Publishing: *Magazine House of Modern Preventive Medicine 17, Section 3, Renmin Nanlu, Chengdu 610041*

Printing: *Chengdu Fusheng Industrial Co., Ltd.*

Overseas Distributor: *China International Book Trading Corporation 35, Chegongzhuang Xilu, Haidian, Beijing 100044, P.R.China*

Mail – order: *Editorial Department of Modern Preventive Medicine 17, Section 3, Renmin Nanlu, Chengdu 610041, P.R.China*

Tel: (028)85502771, 85503354, Fax: (028)85501291

CSSN: *ISSN 1003 – 8507 CN 51 – 1365/R CODEN XYYIFS*

Printed on acid – free paper; effective with Volume 45, Issue 11, 2018

Copyright 2013 by China Preventive Medical Association

## **Nutrition and Food Hygiene**

- Research status of dietetic obesity resistance** ..... ZHANG Meng – jie ,BAO Yan(1957)
- Detection and safety evaluation of lead ,cadmium ,mercury and arsenic in seafoods in the offshore area ,Qinhuangdao** ..... WANG Hao – ran ,YI Li – li ,WANG Hong – wei ,et al(1960)
- Correlation between nutritional status and the onset of menarche among Han female students ,Lanzhou**  
..... ZHANG Jun – mei ,CHEN Ming ,LI Ya – hong ,et al(1964)
- Epidemiological characteristic of foodborne disease in Ningxia ,2010 –2016**  
..... NI Wen – si ,WANG Xiu – qin ,YUAN Xiu – juan ,et al(1967)

## **Child and Adolescent health ,Maternal and Child Health**

- Characteristics of blood amino acid levels in low birth weight infants**  
..... WAN Ting ,LIU Hong – xi ,YANG Yu – qi ,et al(1971)
- Screening positive rate and influencing factors of autism spectrum disorder among preschool children ,Haikou city** ..... LIU Ying ,LIN Yao ,HUANG Li – hong(1975)
- Influence of labor analgesia on postpartum depression in puerpera :a meta – analysis**  
..... LI Lei ,HU Yi – fan ,XU Huan ,et al(1980)
- Carriage and influencing factors of group B streptococcus among pregnant women in Shenzhen**  
..... CAO Xue – lian ,WEN Guo – ming ,YAN Chun – rong ,et al(1986)

## **Primary Health Services**

- Visualized analysis of community geriatric nursing research based on CNKI database ,2007 –2017**  
..... LIU Hua – xue ,YU Wen – jing ,ZHANG Ai – hua(1992)

## **Health Policy and Management**

- Macro effect of global budget payment on public hospitals**  
..... YAN Qin ,MA Li ,PENG Yun – hong ,et al(1996)

## **Health and Social Behavior**

- Health literacy and needs for health education of Tianmen residents**  
..... WANG Yi – hua ,XIONG Wei ,QIAO Zheng – hua ,et al(1998)
- Relationships between childhood abuse and psychological sub – health among medical college students**  
..... SHAO Ning ,MA Xuan ,SONG Xian – bing ,et al(2004)
- Evaluation of quality of life and its related factors in cataract patients**  
..... SONG Jia – xin ,WANG Zhao – jing ,LU Li – li ,et al(2009)
- Relationship of interpersonal stress and depression ,self – identity and subjective well – being among college students :the moderating role of psychological capital**  
..... LIN Jing – ping ,CHEN Long – dan ,LIU Shou – qian(2013)
- Intervention model based on health ecology theory on physical and mental health of elderly empty – nesters**  
..... CHEN Chang – xiang ,LI Xiao – kai ,HAO Xi – jun(2017)

## Experimental Technology and Applications

### Combined effect of PLIN1 gene silencing and isoproterenol on lipolysis of 3T3 – L1 adipocytes

..... ZHANG Shao – hua, ZHAO Zhi – wu, WANG Jun – shi, et al(2023)

### Determination of 9 perfluorinated compounds in breast milk by QuEChERS purification and ultrahigh performance liquid chromatography\_ tandem mass spectrometry

..... LI Lei, ZHOU Yi – bing, LIU Li – ya, et al(2028)

### Effect of traditional Chinese medicine compound on RAS in the early diabetic nephropathy rats

..... LIU Yin, SU Zuo – bin, HU Li – wen, et al(2034)

### Chronotoxicology of manganese on sperm quality and reproductive hormones in male rats

..... SHI Wen – xiang, OU Chao – ling, LU Fang – lan, et al(2039)

### Association between gene polymorphism of surfactant protein D and susceptibility to lung disease

..... XU Li, TAN Bang – xian, LI Hua(2043)

### Clinical study on rapid detection of drug resistance of Mycobacterium tuberculosis by Gene chip technology

..... WANG Dan – ji, LIU Qiao, LU Peng, et al(2047)

### Identification and the antimicrobial activity of an endophytic fungus isolated from Houttuynia Cordata thunb

..... SONG Yong, GU Yu – qin, LI Xiao – yu, et al(2052)

### Constructing methods on passive smoking animal models during pregnancy

..... XU Shao – ye, YI Jin – xi, FENG Xi – yao, et al(2056)

## Disease Control and Prevention

### Correlation of tick species and rickettsia carrying situation in western Inner Mongolia

..... WULAN Tu – ya, GAO Wa, YIN Xu – hong, et al(2059)

### Primary drug resistance and genotypic analysis among 36 antiretroviral treatment – naïve HIV – 1 patients, Dongguan

..... LUN Yu – hua, LUO Hao, FANG Xiao – jun, et al(2063)

### Effect of directional intervention on the high risk sexual behaviors for HIV/AIDS among university students who have sex with men, Shanghai

..... XUAN Zhou – bin, SHANG Yin, XU Xiang, et al(2067)

### Drug resistance of initial antiviral therapy including LPV/r failed for HIV/AIDS patients

..... LIU Jia – fa, YANG Bi – hui, ZHANG Mi, et al(2073)

### Urine iodine from the focus group of people in Weinan, 2013 – 2017

..... ZHAO Ai – zhu, HOU Xing – yu, XU Xiang – ming, et al(2077)

### Relationship between Kawasaki disease and Epstein – Barr virus: a meta – analysis of

..... GUO Sha – sha, LIU Ya – qing, ZU Kai, et al(2080)

## Clinical Medicine and Prevention

### Effects of different feeding routes on serum C – reactive protein and safety in patients with severe acute pancreatitis: a meta – analysis

..... YAO Hong, GAN Zheng – hui(2084)

### Risk factors of ventilator – associated pneumonia and evaluation of prevention and control measures in NICU

..... LI Na, LIU Li – jun, FENG Yan – ping, et al(2090)

### Incidence trends and characteristics of soft tissue sarcoma in Qiannan area of Guizhou province, 2007 – 2016

..... MENG Guang – hua, HUANG Jun, SONG Fa – you, et al(2094)

## Personnel Training

Reliability and validity evaluation of the questionnaire aiming at the quality of sampling design in Chinese public health journal literatures ..... LI Ya-xi, ZHANG Ling, LIN Ke, et al(2098)

Influencing factors analysis on the sampling survey quality of public health journal articles in China ..... ZHANG Xue, LIN Ke, WAN Xiao-yan, et al(2103)

Formulation of college students' creative ability questionnaire ..... HE Teng-fei, LIANG Bao-yong(2108)

# 欢迎订阅 2018 现代预防医学

ISSN 1003-8507 CN 51-1365/R 邮发代号: 62-183

中国中文核心期刊 中国科技核心期刊

2017 年度中国精品科技期刊

中华预防医学会系列杂志优秀期刊

主管单位:国家卫生和计划生育委员会

主办单位:中华预防医学会及四川大学华西公共卫生学院

现代预防医学杂志一贯坚持理论联系实际的办刊宗旨,注重交流报道国内外预防医学新动向、新成果、新理论、新方法;充分体现期刊的学术导向,刊登国家及省部级重点攻关课题论文、著述等,同时兼顾普及,重点报道预防医学科研工作中的研究成果、经验交流及信息荟萃。欢迎广大医学科研工作者踊跃订阅,积极投稿!

本刊为半月刊,每期 15 元,全年 360 元,全国各地邮局可订,也可直接联系编辑部订阅。

地址:成都市人民南路三段 17 号,邮编:610041

电话:(028)85503354

网址:<http://www.xdyfyx.com>