



ISSN 1000-8020
CN 11-2158/R
CODEN WEYAEM

卫生研究

WEISHENG YANJIU

2017年7月 第46卷 第4期

Volume 46 Number 4 July 2017

JOURNAL
OF
HYGIENE
RESEARCH

2017.4

ISSN 1000-8020

07>

9 771000 802178



中国疾病预防控制中心主办
CHINESE CENTER FOR
DISEASE CONTROL AND PREVENTION

JOURNAL OF HYGIENE RESEARCH
Volume 46 Number 4 2017

CONTENTS IN BRIEF

Effects of vitamin E and ω-3 fatty acids on protecting ambient PM _{2.5} -induced cardiovascular injury	Du Xihao, et al. (517)
Association of single nucleotide polymorphism of SIRT1 and APOC3 with nonalcoholic fatty liver disease	Song Xiaochao, et al. (527)
Role of NF-κB in the protective effects of L-carnitine against oxidative injury in hepatocytes	Li Jinlian, et al. (533)
Antimicrobial resistance analysis and mechanism of <i>Salmonella</i> recovered from retail chicken carcasses in Beijing in summer, 2013	Hu Yujie, et al. (538)
Follow-up study on diet, folic acid and iron status in 358 cases of Uighur pregnant women from Xinjiang Kashi	Tuerxunjiang·Maimaitiming, et al. (563)
Concentration of red blood cell folate and the analysis of folic acid supplement optimum time and dose in first trimester	Teng Yue, et al. (569)
Breast milk composition and influencing factors of the Han, Bai and Dai nationalities in Yunnan Province in 2011–2012	Zhao Jiang, et al. (573)
Difference of fatty acids in human milk, bovine milk and powdered formulas with the change of lactation period or suitable object	Yang Fan, et al. (579)
Analysis on contamination of zearalenone and dietary exposure assessment in food samples of Shaanxi Province in 2013–2016	Hu Jiawei, et al. (585)
Association between SLC22A12 rs1529909 and rs7929627 polymorphism and hyperuricemia	Zhang Yadi, et al. (589)
Current situation of neglect and its influencing factors for rural children aged 12 to 17 years old of Tujia and Miao minorities in Wuling mountainous area in 2014	Zhang Fulan, et al. (595)
Effects of exercise and resveratrol on retinol binding protein 4, blood glucose and insulin sensitivity in aged obese rats	Cui Jiaqin, et al. (602)
Effects of iodine excess on islet β cells (β-TC-6) function and the mechanism	Sun Zuolong, et al. (610)
Role of nicotinamide vadenine dinucleotide phosphate oxidase 4 in transforming growth factor-β-induced A549 cell migration	Xue Teng, et al. (615)
Combined cytotoxicity mechanism of chlorpyrifos and carbofuran pesticides <i>in vitro</i>	Lian Nan, et al. (621)
Preparation of monoclonal antibody against cystatin C and establishment of its immunoassay system	Yu Yizhan, et al. (628)
Determination of 8 components in healthy food for anti-hangover and hepatoprotection by high performance liquid chromatography	Zou Haimin, et al. (633)
Colorimetric detection of trace mercury in mineral water via cloud-point extraction coupled with gold nanoparticle probe	Wang Zheng, et al. (640)
Determination of semi-volatile organic compounds in the source of drinking water by gas chromatography triple quadruples mass spectrometry with auto solid phase extraction	Wang Wei, et al. (645)
Modification of HLB-HPLC-MS/MS method for the determination of phthalate metabolites in infant urine	Wang Heng, et al. (650)

DANONE INSTITUTE CHINA Young Scientists' Forum

Contribution of snacks to energy and nutrients among Chinese snackers above 6 years old in 2010-2012	Zhang Yufeng, et al. (546)
Correlation of dietary patterns and cognitive function among preschool children in Ma'anshan City in 2014-2015	Tao Yonghao, et al. (550)
Prevalence of metabolic syndrome and its family factors for children and adolescents in Chongqing City in 2014	Cheng Xuting, et al. (557)

Address of Editorial Office: 29 Nanwei Road, Beijing 100050
People's Republic of China



第二届全国优秀科技期刊二等奖
第二届国家期刊奖百种重点期刊
卫生部首届优秀科技期刊一等奖

卫生研究

2017年7月 第46卷 第4期

目 次

论著

- 维生素E和ω-3脂肪酸对大气PM_{2.5}心肺损伤的干预研究 杜喜浩,蒋硕,薄亮,等(517)
SIRT1和APOC3基因单核苷酸多态性与非酒精性脂肪性肝病的相关性 宋晓超,宋春丽,范丽,等(527)
核因子-κB在左卡尼汀抑制肝细胞氧化损伤中的作用 李金莲,李娜,董晓青,等(533)
2013年夏季北京市售整鸡沙门菌分离株耐药性及耐药机制研究 胡豫杰,赫英英,白瑶,等(538)

达能营养中心青年科学工作者论坛

- 2010—2012年中国6岁及以上居民零食消费对能量和营养素的贡献 张宇凤,赵丽云,于冬梅(546)
2014—2015年马鞍山市学龄前儿童饮食模式及与执行功能的相关性研究 陶勇浩,倪玲玲,严双琴,等(550)
2014年重庆城区儿童青少年代谢综合征及家庭影响因素 程绪婷,王宏,袁保诚,等(557)

调查研究

2014—2015年新疆喀什维吾尔族孕妇膳食、叶酸和铁营养状况

- 吐尔逊江·买买提明,王晓军,卡米拉·吐尔逊江,等(563)
北京地区孕早期妇女红细胞叶酸水平及适宜叶酸补充时间剂量 滕越,胡京苗,董珊,等(569)
2011—2012年云南省汉族、白族和傣族母乳成分及影响因素 赵江,万蓉,刘志涛,等(573)
人乳、牛乳和配方奶粉中脂肪酸组成随泌乳期及婴幼儿不同阶段的变化 杨帆,吴娟,郑颖(579)
2013—2016年陕西省市售食品中玉米赤霉烯酮的污染状况及暴露评估 胡佳薇,王彩霞,田丽,等(585)
SLC22A12基因rs1529909和rs7929627位点多态性与高尿酸血症的相关性 张亚弟,张翻弟,赵丽,等(589)
2014年武陵山区土家族与苗族12~17岁农村儿童近视状况及影响因素 张福兰,张天成,李杏,等(595)

实验研究

- 运动与白藜芦醇对老年肥胖大鼠视黄醇结合蛋白4、血糖和胰岛素敏感性的影响 崔嘉琴,柏友萍,吴琳,等(602)
碘过量对胰岛β细胞功能的影响及机制 孙作龙,王潇,陈晋,等(610)
非吞噬细胞氧化酶4在转化生长因子-β诱导A549细胞迁移中的作用 薛腾,徐小艳,夏艳秋,等(615)
毒死蜱和克百威体外联合染毒的细胞毒性机制 廉楠,苟练,王巧旭,等(621)
抗人胱抑素C单克隆抗体制备及免疫检测体系建立 余易展,羊婷婷,刘培,等(628)
高效液相色谱法同时测定市售醒酒护肝产品中8种化合物 邹海民,周琛,孙成均,等(633)
新型比色法快速测定天然矿泉水中的痕量汞离子 王正,王晓伟,薛颖,等(640)
三重四级杆-气质联用法测定生活饮用水中半挥发性有机物 王玮,梁晓聪,田丽,等(645)
HLB固相萃取-高效液相色谱串联质谱法测定婴幼儿尿液中邻苯二甲酸酯代谢物 王恒,刘良坡,申河清(650)

调查报告

- 广西和云南贫困地区父母外出打工对留守小学生营养不良的影响 王继凡,毛绚霞,唐文静,等(658)
菜品营养信息标示在住院病人点餐中的应用及效果评价 吕晓华,赵俊丽,罗丽,等(663)

实验报告

- 绿茶提取物与维生素 C 和番茄红素的协同抗氧化作用 张 艳,陈海宁,郝 岩,等(666)
明日叶查尔酮对胰岛素抵抗细胞 PI3K-Akt-GLUT4 信号通路的影响 李 蕃,苏妍文,李宇晴,等(669)
电感耦合等离子体质谱法测定手术室空气中顺铂 刘 浏,胡晓宇,谢铮铮,等(672)

综述

- 营养不良评价标准在中国公共卫生调查和研究中的应用进展 俞 丹,陈玉柱,赵丽云,等(675)
膳食调查辅助工具与营养素摄入量统计分析软件应用进展 贾海先,赵 耀(680)
砂型铸造作业车间空气颗粒物职业接触特征研究进展 张 静,刘 拓,张 敏(685)

其他信息

- 《卫生研究》投稿须知 (封二)
《卫生研究》编辑委员会 (545)
达能营养中心青年科学工作者论坛 (562)
关于不法分子冒用我刊名义征稿行骗的提醒说明 (568)
更正 (632)

(本期责任编辑 高 凌)

※ ※ ※ ※ ※ ※ ※ ※ ※ ※ ※ ※

声 明

为适应我国信息化建设,扩大本刊及作者知识信息交流渠道,本刊已被《中国学术期刊网络出版总库》及 CNKI 系列数据库收录,其作者文章著作权使用费与本刊稿酬一次性给付。如作者不同意文章被收录,请在来稿时向本刊声明,本刊将作适当处理。

《卫生研究》编辑部

支持单位:深圳市疾病预防控制中心

深圳市慢性病防治中心

中国疾病预防控制中心职业卫生与中毒控制所

中国疾病预防控制中心环境与健康相关产品安全所

卫生研究

WEISHENG YANJIU

(双月刊·公开发行)

2017年第46卷第4期

7月30日出版

编委会主任: 陈君石

主 编: 段国兴

编辑部主任: 陈海峰

1972年1月创刊

主管单位:国家卫生和计划生育委员会

主办单位:中国疾病预防控制中心

编辑出版:中国疾病预防控制中心营养与健康

所《卫生研究》编辑部

100050 北京市西城区

南纬路29号

电话/传真:010-83132376,83132329

66237264,66237265

电子邮箱:wsyj2012@126.com

投稿平台:<http://wsyj.cbpt.cnki.net>

印 刷:北京市昌平百善印刷厂

发 行:北京报刊发行局

订 购:全国各地邮局

JOURNAL OF HYGIENE RESEARCH

Vol. 46 No. 4 July 30 2017

(Published Bimonthly)

Director of Editorial Committee: Chen Junshi

Editorial Office: Under the Auspices of the National Institute for Nutrition and Health, Chinese Center for Disease Control and Prevention

Mailing and Ordering Address: the Editorial Office of the Journal of Hygiene Research, 29 Nanwei Road, Beijing 100050, China

Tel/Fax: 86-10-83132376,83132329, 66237264,66237265

E-mail:wsyj2012@126.com

<http://wsyj.cbpt.cnki.net>

中国标准连续出版物号: ISSN 1000-8020
CN 11-2158/R

邮发代号:82-720

广告经营许可证:京西工商广登字 20170189 号

国内定价:14.00 元/册

国外定价:14.00 美元/册

JOURNAL OF HYGIENE RESEARCH
Volume 46 Number 4 2017

CONTENTS IN BRIEF

Effects of vitamin E and ω-3 fatty acids on protecting ambient PM _{2.5} -induced cardiovascular injury	Du Xihao, et al. (517)
Association of single nucleotide polymorphism of SIRT1 and APOC3 with nonalcoholic fatty liver disease	Song Xiaochao, et al. (527)
Role of NF-κB in the protective effects of L-carnitine against oxidative injury in hepatocytes	Li Jinlian, et al. (533)
Antimicrobial resistance analysis and mechanism of <i>Salmonella</i> recovered from retail chicken carcasses in Beijing in summer, 2013	Hu Yujie, et al. (538)
Follow-up study on diet, folic acid and iron status in 358 cases of Uighur pregnant women from Xinjiang Kashi	Tuerxunjiang·Maimaitiming, et al. (563)
Concentration of red blood cell folate and the analysis of folic acid supplement optimum time and dose in first trimester	Teng Yue, et al. (569)
Breast milk composition and influencing factors of the Han, Bai and Dai nationalities in Yunnan Province in 2011–2012	Zhao Jiang, et al. (573)
Difference of fatty acids in human milk, bovine milk and powdered formulas with the change of lactation period or suitable object	Yang Fan, et al. (579)
Analysis on contamination of zearalenone and dietary exposure assessment in food samples of Shaanxi Province in 2013–2016	Hu Jiawei, et al. (585)
Association between SLC22A12 rs1529909 and rs7929627 polymorphism and hyperuricemia	Zhang Yadi, et al. (589)
Current situation of neglect and its influencing factors for rural children aged 12 to 17 years old of Tujia and Miao minorities in Wuling mountainous area in 2014	Zhang Fulan, et al. (595)
Effects of exercise and resveratrol on retinol binding protein 4, blood glucose and insulin sensitivity in aged obese rats	Cui Jiaqin, et al. (602)
Effects of iodine excess on islet β cells (β-TC-6) function and the mechanism	Sun Zuolong, et al. (610)
Role of nicotinamide vadenine dinucleotide phosphate oxidase 4 in transforming growth factor-β-induced A549 cell migration	Xue Teng, et al. (615)
Combined cytotoxicity mechanism of chlorpyrifos and carbofuran pesticides <i>in vitro</i>	Lian Nan, et al. (621)
Preparation of monoclonal antibody against cystatin C and establishment of its immunoassay system	Yu Yizhan, et al. (628)
Determination of 8 components in healthy food for anti-hangover and hepatoprotection by high performance liquid chromatography	Zou Haimin, et al. (633)
Colorimetric detection of trace mercury in mineral water via cloud-point extraction coupled with gold nanoparticle probe	Wang Zheng, et al. (640)
Determination of semi-volatile organic compounds in the source of drinking water by gas chromatography triple quadruples mass spectrometry with auto solid phase extraction	Wang Wei, et al. (645)
Modification of HLB-HPLC-MS/MS method for the determination of phthalate metabolites in infant urine	Wang Heng, et al. (650)

DANONE INSTITUTE CHINA Young Scientists' Forum

Contribution of snacks to energy and nutrients among Chinese snackers above 6 years old in 2010-2012	Zhang Yufeng, et al. (546)
Correlation of dietary patterns and cognitive function among preschool children in Ma'anshan City in 2014-2015	Tao Yonghao, et al. (550)
Prevalence of metabolic syndrome and its family factors for children and adolescents in Chongqing City in 2014	Cheng Xuting, et al. (557)

Address of Editorial Office: 29 Nanwei Road, Beijing 100050
People's Republic of China