

中华医学会系列杂志

ISSN 2095-4255
CN 23-1583/R

中华地方病学杂志[®]

(原刊名《中国地方病学杂志》)

ZHONGHUA DIFANGBINGXUE ZAZHI

2015年9月 第34卷 第9期

CHINESE JOURNAL OF ENDEMIOLOGY

Volume 34 Number 9
September 2015



中华医学会

CHINESE
MEDICAL
ASSOCIATION

ISSN 2095-4255



9 772095 425150

中华地方病学杂志[®]

CHINESE JOURNAL OF ENDEMOLOGY

月刊 1982年1月创刊 第34卷 第9期 2015年9月20日出版

主管

中华人民共和国国家卫生和
计划生育委员会

主办

中华医学会
100710,北京市东四西大街42号
哈尔滨医科大学
150081,哈尔滨市南岗区保健路157号

编辑

中华地方病学杂志编辑委员会
150081,哈尔滨市南岗区保健路157号
电话(传真):(0451)86675924
Email:cje2005@163.com
http://www.medline.org.cn

总编辑

孙殿军

编辑部主任

王丹娜

出版

《中华医学杂志》社
有限责任公司
100710,北京市东四西大街42号
电话(传真):(010)85158180
Email:office@ema.org.cn

广告经营许可证

哈工商广字 2301004010006号

印刷

黑龙江龙江传媒有限责任公司

发行

范围:公开
国内:哈尔滨市邮政局
国外:中国国际图书贸易总公司
(北京:399信箱,100044)
代号 BM 4181

订购

全国各地邮政局
邮发代号 14-30

邮购

中华地方病学杂志编辑部
150081,哈尔滨市南岗区保健路157号
电话(传真):(0451)86675924
Email:cje2005@163.com

定价

每期 12.00 元,全年 144.00 元

中国标准连续出版物号

ISSN 2095-4255
CN 23-1583/R

2015 年版权归中华医学会所有

未经授权,不得转载、摘编本刊文章,不得使用本刊的版式设计

除非特别声明,本刊刊出的所有文章不代表中华医学会和本刊编委会的观点

本刊如有印装质量问题,请向中华地方病学杂志编辑部调换

目次

专家共识

- 中国碘缺乏病防治策略研讨会专家共识 625
中国碘缺乏病防治策略研讨会工作组

专题

- 中国普及食盐加碘 20 年碘缺乏病防治历程及展望 628
申红梅
从 2011 年和 2014 年碘缺乏病监测结果
看盐碘含量下调的正确性 632
刘守军
2014 年年底预防医学国家自然科学基金
结题项目简介 636
赵菁 裴俊瑞 祝慧萍 李吉 张作文

论著

- 高碘对哺乳期甲状腺疾病患者外周血促甲状腺
激素受体和蛋白激酶 A 及钠碘同向转运体
mRNA 表达的影响 641
薛视 刘丽香 文达 申红梅 孟凡刚 张晓晔
海带有有机碘与无机碘对甲状腺功能亢进
Wistar 大鼠心肌 ATP 酶的影响 646
刘丹 蔺新英 于福贵 张曼
慢性氟中毒大鼠脑组织中核因子 E2 相关因子 2
和胞质蛋白伴侣分子表达改变
及其与氧化应激的关系 650
王姪 董阳婷 魏娜 官志忠
凋亡诱导因子在慢性氟中毒大鼠脑组织
神经细胞凋亡中的作用 655
魏露莎 禹文峰 詹赞琳 周冰峰 吴忠琴 官志忠
多种营养元素和强化大豆对氟中毒雌鼠
性腺轴内分泌功能的作用 660
李学会 夏曙华 王世君 谢婷婷 余司文 徐静峰
邹文兵 王飞清 喻茂娟

扩张型心肌病患者血清差异蛋白表达及蛋白生物标志物研究	666
张文明 王学松 王秀红 刘源 相有章 季晓平	

现场调查

浙江省盐碘含量调整后人群碘营养水平及甲状腺病情分析	671
莫哲 楼晓明 邹艳 毛光明 王鸳鸯 朱文明	
浙江省宁波市食用非碘盐地区居民碘营养水平及甲状腺结节患病现况调查	676
赵薛飞 张劼楠 孙亚维 姚漫红 朱国良 董红军	
2012年度全国饮水型地方性氟中毒监测报告	680
裴俊瑞 赵丽军 张微 王伟 于光前 孙殿军 高彦辉	
2009 - 2013年陕西省饮水型地方性氟中毒监测结果分析	685
刘晓莉 李晓茜 白广禄 范中学 李跃 李平安 白爱梅	
2012年河北省易县居民饮用水氟含量调查	689
张进国 张今文 张保宗 李燕广 张雁 胡超安	
2014年陕西省燃煤污染型地方性氟中毒防治效果评估	693
周蓉 杨晓栋 李晓茜 任宇飞 范中学 杜怡 崔成宝	

质量控制

2010 - 2012年贵州省地方性氟中毒监测网络实验室尿氟检测质量分析	697
张念恒 李达圣 余丹娅 安冬	

简 报

广西盐碘添加标准调整对全区盐碘含量的影响	701
陆结泉 刘军 宁锐军 廖敏	
包虫病经皮穿刺刮吸引流术后残腔的负压引流治疗临床观察	702
唐群科 张璞 田忠新 苏宏 唐旭栋 曲艳玲 袁康	

读者·作者·编者

汉字数字的使用要求	631
科技期刊论文中量和单位的用法	635
关于《中华地方病学杂志》刊出论文中英文缩写的公告	654
数值修约书写要求	679
关于关键词的标引	692
数字使用中的注意事项	700

消 息

关于中华医学会系列杂志投稿网址的声明	645
2016年《中华地方病学杂志》征订启事	665
《中华地方病学杂志》第七届编辑委员会组成人员名单	封二
《中华地方病学杂志》稿约见本卷第1、7期I页	

本期责任编辑 刘洋 英文编辑 唐晓波

CHINESE JOURNAL OF ENDEMIOLOGY

Monthly

Established in January 1982

Volume 34, Number 9

September 20, 2015

Responsible Institution

National Health and Family
Planning Commission of the
People's Republic of China

Sponsor

Chinese Medical Association
42 Dongsi Xidajie, Beijing 100710, China
Harbin Medical University
157 Baojian Road, Nangang District, Harbin
150081, China

Editing

Editorial Board of Chinese
Journal of Endemiology
157 Baojian Road, Nangang District, Harbin
150081, China
Tel (Fax): 0086-451-86675924
Email: cje2005@163.com
http://www.medline.org.cn

Editor-in-Chief

Sun Dianjun (孙殿军)

Managing Director

Wang Danna (王丹娜)

Publishing

Chinese Medical Journals
Publishing House Co., Ltd.
42 Dongsi Xidajie, Beijing 100710, China
Tel(Fax): 0086-10-85158180
Email: office@cma.org.cn

Printing

Heilongjiang Longjiang
Media Co., Ltd.

Overseas Distributor

China International Book
Trading Corporation
P.O.Box 399, Beijing 100044, China
Code No. BM 4181

Mail-Order

Publishing House of Chinese
Journal of Endemiology
157 Baojian Road, Nangang District, Harbin
150081, China
Tel (Fax): 0086-451-86675924
Email: cje2005@163.com

CSSN

ISSN 2095-4255
CN 23-1583/R

Copyright © 2015 by the Chinese Medical Association

No content published by the journals of
Chinese Medical Association may be
reproduced or abridged without authorization.
Please do not use or copy the layout and design
of the journals without permission.

All articles published represent the opinions
of the authors, and do not reflect the official
policy of the Chinese Journal of Endemiology
or the Editorial Board, unless this is clearly
specified.

CONTENTS IN BRIEF

Consensus Statement

Workshop on Iodine Deficiency Disorder Prevention and

Control Strategies in China 625

Working Group of Chinese Workshop on Prevention and

Control Strategies of Iodine Deficiency Disorders

Editorials

The course of 20 years of universal salt iodization for prevention

of iodine deficiency disorders and prospect in China 628

Shen Hongmei

The correctness of reducing the level of iodine in iodized salts inferred

from the monitoring results of iodine deficiency disorders

from 2011 to 2014 632

Liu Shoujun

An introduction to finished research projects that supported by National

Natural Science Foundation of China at the end of 2014 636

Zhao Ran, Pei Junrui, Zhu Huiping, Li Ji, Zhang Zuowen

Original Articles

Effects of high iodine on mRNA expression of thyroid hormone

receptor and protein kinase A and sodium iodide symporter

in peripheral blood of patients with thyroid diseases

during lactation 641

Xue Liang, Liu Lixiang, Wen Da, Shen Hongmei, Meng Fangang, Zhang Xiaoye

Contrastive study on the effect of 3, 5-diiodotyrosine and potassium

iodide on myocardial ATPase in hyperthyroidism Wistar rats 646

Liu Dan, Lin Xinying, Yu Fugui, Zhang Man

Expression of NF-E2-related factor 2 and Kelch-like ECH-associated

protein-1 in the brain of rats with chronic fluorosis

and correlation with oxidative stress 650

Wang Ya, Dong Yangting, Wei Na, Guan Zhizhong

Role of apoptosis-inducing factor in neuron apoptosis in brain tissue

of rats with chronic fluorosis 655

Wei Lusha, Yu Wenfeng, Zhan Zanlin, Zhou Bingfeng,

Wu Zhongqin, Guan Zhizhong

Combined effects of multiple nutrient elements and enriched soybean on damage of hypothalamus-pituitary-ovarian axis of female rats induced by fluorosis exposure	660
<i>Li Xuehui, Xia Shuhua, Wang Shijun, Xie Tingting, Yu Siwen, Xu Jingfeng, Zou Wenbing, Wang Feiqing, Yu Maojuan</i>	

Differential protein expression and protein biomarker of dilated cardiomyopathy	666
<i>Zhang Wenming, Wang Xuesong, Wang Xiuhong, Liu Yuan, Xiang Youzhang, Ji Xiaoping</i>	

Field Epidemiological Investigations

Iodine nutritional status and goiter after adjustment of salt iodine concentration in Zhejiang Province	671
<i>Mo Zhe, Lou Xiaoming, Zou Yan, Mao Guangming, Wang Yuanyang, Zhu Wenming</i>	

Iodine nutritional status and prevalence of thyroid nodules among residents using non-iodized salt in Ningbo City, Zhejiang Province	676
<i>Zhao Xuefei, Zhang Jienan, Sun Yawei, Yao Manhong, Zhu Guoliang, Dong Hongjun</i>	

An annual national monitoring report on drinking-water-borne endemic fluorosis in 2012	680
<i>Pei Junrui, Zhao Lijun, Zhang Wei, Wang Wei, Yu Guangqian, Sun Dianjun, Gao Yanhui</i>	

Analysis of surveillance results of drinking-water-borne endemic fluorosis in Shaanxi Province from 2009 to 2013	685
<i>Liu Xiaoli, Li Xiaoqian, Bai Guanglu, Fan Zhongxue, Li Yue, Li Ping'an, Bai Aimei</i>	

A survey of fluorine content in drinking water of Yi County in Hebei Province in 2012	689
<i>Zhang Jinguo, Zhang Jinwen, Zhang Baozong, Li Yanguang, Zhang Yan, Hu Chaoan</i>	

An evaluation of the prevention and control measures on coal-burning-borne endemic fluorosis in Shaanxi Province in 2014	693
<i>Zhou Rong, Yang Xiaodong, Li Xiaoqian, Ren Yufei, Fan Zhongxue, Du Yi, Cui Chengbao</i>	

Quality control

Quality analysis of urinary fluoride detection ability from 2010 to 2012 in Guizhou endemic fluorosis monitoring network laboratories	697
<i>Zhang Nianheng, Li Dasheng, She Danya, An Dong</i>	

Combined effects of multiple nutrient elements and enriched soybean on damage of hypothalamus-pituitary-ovarian axis of female rats induced by fluorosis exposure	660
<i>Li Xuehui, Xia Shuhua, Wang Shijun, Xie Tingting, Yu Siwen, Xu Jingfeng, Zou Wenbing, Wang Feiqing, Yu Maojuan</i>	

Differential protein expression and protein biomarker of dilated cardiomyopathy	666
<i>Zhang Wenming, Wang Xuesong, Wang Xiuhong, Liu Yuan, Xiang Youzhang, Ji Xiaoping</i>	

Field Epidemiological Investigations

Iodine nutritional status and goiter after adjustment of salt iodine concentration in Zhejiang Province	671
<i>Mo Zhe, Lou Xiaoming, Zou Yan, Mao Guangming, Wang Yuanyang, Zhu Wenming</i>	

Iodine nutritional status and prevalence of thyroid nodules among residents using non-iodized salt in Ningbo City, Zhejiang Province	676
<i>Zhao Xuefei, Zhang Jienan, Sun Yawei, Yao Manhong, Zhu Guoliang, Dong Hongjun</i>	

An annual national monitoring report on drinking-water-borne endemic fluorosis in 2012	680
<i>Pei Junrui, Zhao Lijun, Zhang Wei, Wang Wei, Yu Guangqian, Sun Dianjun, Gao Yanhui</i>	

Analysis of surveillance results of drinking-water-born endemic fluorosis in Shaanxi Province from 2009 to 2013	685
<i>Liu Xiaoli, Li Xiaoqian, Bai Guanglu, Fan Zhongxue, Li Yue, Li Ping'an, Bai Aimei</i>	

A survey of fluorine content in drinking water of Yi County in Hebei Province in 2012	689
<i>Zhang Jinguo, Zhang Jinwen, Zhang Baozong, Li Yanguang, Zhang Yan, Hu Chaoan</i>	

An evaluation of the prevention and control measures on coal-burning-borne endemic fluorosis in Shaanxi Province in 2014	693
<i>Zhou Rong, Yang Xiaodong, Li Xiaoqian, Ren Yufei, Fan Zhongxue, Du Yi, Cui Chengbao</i>	

Quality control

Quality analysis of urinary fluoride detection ability from 2010 to 2012 in Guizhou endemic fluorosis monitoring network laboratories	697
<i>Zhang Nianheng, Li Dasheng, She Danya, An Dong</i>	