

老年医学与保健

双月刊 1995 年 11 月创刊 第 30 卷 第 5 期(总 151 期) 2024 年 10 月 25 日出版

主 管

上海市卫生健康委员会

主 办

华东医院

复旦大学附属华东医院

编 辑

上海市延安西路 221 号, 200040

电话: (021) 62483180 × 720401

720404

传真: (021) 62484981

E-mail: lnyxybj@126.com

出 版

《老年医学与保健》编辑部

主 编

俞卓伟

执行主编

王传馥

编辑部主任

保志军

编辑部副主任

夏世金

印 刷

上海华教印务有限公司

发 行

上海报刊发行局

发行范围

国内、国外

订 购

全国各地邮政局

邮发代号: 4-671

邮 购

《老年医学与保健》编辑部

上海市延安西路 221 号, 200040

定 价

每期 15.00 元, 全年 90.00 元

中国标准连续出版物号

ISSN 1008-8296

CN 31-1798/R

2024 年版权归华东医院

复旦大学附属华东医院所有

目 次

述 评

衰弱: 老年医学的圣杯

..... 纪雪莹, 陈洁, 保志军 (1205)

专家论坛

衰弱生物标志物的研究进展

..... 王笑峰 (1208)

基于可穿戴人工智能的老年衰弱症早期预警与干预技术研究

..... 陈益强, 杨晓东, 孙嘉壕, 等 (1212)

肌少症性肥胖与心血管疾病的关系研究进展

..... 杜岑, 汪海娅 (1218)

论 著

基于神经网络模型的健康老龄化指数构建及应用

..... 蒋俊佳, 杨诗彤, 朱璟捷, 等 (1223)

基于人工智能机器学习决策树算法的上海某社区中老年群体衰弱表型分析

..... 张自妍, 张顺顺, 马娟, 等 (1230)

应用衰弱指数探索上海市某中心城区 50 岁及以上社区人群衰弱影响因素

..... 纪云芳, 何丽华, 高淑娜, 等 (1239)

老年衰弱患者中医证型及血瘀证分布规律研究

..... 王博深, 李跃华, 张海燕, 等 (1245)

红景天苷联合姜黄素促进 C2C12 细胞成肌分化并防止棕榈酸诱导的肌管萎缩研究

..... 何雅琦, 冯颖 (1250)

上海社区居家老年人认知功能障碍现状调查及影响因素分析	汪霞晴,王常颖,张蕴伟,等 (1258)
基于中国健康与养老纵向研究数据库的糖尿病老年人失能预测模型构建	陈榕芳,严培晶,吕校宇,等 (1264)
甲状腺功能正常的老年 2 型糖尿病患者 TSH 水平与颈动脉内膜中膜厚度的相关性研究	周海平,彭文芳,许波进,等 (1270)
合并糖尿病酮症酸中毒的老年 2 型糖尿病患者饮食管理预后情况分析	王丹,李双,张锦娟,等 (1275)
80 岁及以上老年非 ST 段抬高型急性冠脉综合征患者侵入性与保守治疗效果评价的回顾性分析	翟馨蓉,陈阳,关韶峰,等 (1280)
MiRNA-483 和 miRNA-499 在老年急性心肌梗死患者血浆中的表达及临床意义	张和细,彭飞,费娟娟,等 (1285)
血浆外泌体 hsa_circ_0001360 对冠心病的诊断价值	张婉,崔佳森,李黎,等 (1290)
209 例老年慢性心力衰竭患者远期预后的影响因素 Logistic 回归分析	张海红,朱秀鸣,汪海娅 (1296)
老年心脏瓣膜置换术后患者抗凝治疗依从性调查及其预后因素分析	张星,连敬 (1303)
冠脉微循环指数、炎症状态与老年冠心病患者病情程度相关性分析	都俊宇,王琳,杨婷,等 (1309)
不同药物干预方案在预防老年高血压性脑卒中后癫痫方面的回顾性研究	王丽,孙田田,董少军,等 (1314)
关键点控制原理的健康宣教对老年急性心肌梗死患者经皮冠脉介入术后康复的影响	邓楠楠,魏焕焕,涂胜 (1319)
作业疗法对老年脑卒中后抑郁伴轻度认知障碍患者精神状态及执行能力的疗效分析	李袁豪,吉洁 (1325)
肌内效贴影响老年脑卒中肩关节半脱位患者的短时力学效应研究	唐燕,缪芸,段周瑛,等 (1329)
基于“互联网 + ”的认知康复训练在老年脑小血管病伴 OSAHS 认知障碍患者中的应用研究	马美晨,李向华,陈玉,等 (1333)
任脉灸疗法联合十味温胆汤对老年顽固性失眠患者疗效和生活质量的影响	付俊华,米佳 (1338)
老年乳腺癌患者放疗摆位前静息时长对放疗计划剂量的影响	李亚,戈伟强,薛一鸣 (1343)
改良型加速康复护理在老年胰腺癌患者围手术期的临床应用	张佳洁,陈家伟,石婷,等 (1348)
一种老年肺癌细胞微管变构多肽(SAP)的体外抗肺癌活性验证	施展 (1354)

厄洛替尼联合贝伐株单抗治疗老年晚期非小细胞肺癌患者的临床观察	孙晓冰,贺睿卿,董艳,等 (1360)
老年晚期非小细胞肺癌患者化疗疗效的影响因素分析	单佳敏,季红燕,王美华 (1366)
感恩拓延-建构理论下多维度支持对老年非小细胞肺癌化疗患者心理状态和生活质量的影响	戴丽君,仲巧玲,洪虹 (1371)
老年食管癌根治术患者术后谵妄的危险因素分析	张美霞,陈莉莉,杨爱民,等 (1377)
老年胃癌患者癌组织 KLF17、TP53 蛋白表达及临床意义	胡成乙,李莹莹,孙鹰 (1382)
老年结直肠癌高危人群智能语音健康干预效果评价	何丽华,高淑娜,杜娟,等 (1388)
慢性阻塞性肺疾病老年患者焦虑、抑郁与 CAT 评分的相关性及其危险因素分析	余艳,许影,钱奕文,等 (1394)
基于最佳证据的人工气道气囊护理对老年 AECOPD 机械通气患者 VAP 的预防作用研究	赵丹,谈晓梅,唐瑶,等 (1398)
目标导向式不良行为扭转干预对老年胃溃疡出血内镜治疗术后自护能力及遵医行为的影响	李雯茜,梁明慧,李建美 (1402)
老年慢性便秘患者肠道菌群特点的研究	刘康蔚,马建霞,孙建琴,等 (1408)
老年体检人群消化内镜检查突发不良事件的影响因素分析及风险管理	陈静静,王晓航,芦润清,等 (1414)
基于网络药理学探讨葛根芩连汤治疗肾纤维化的潜在作用	刘德华,王骁珺,陆黎黎,等 (1419)
罗沙司他联合 rHuEPO 治疗老年维持性血液透析伴肾性贫血患者的疗效及对铁代谢的影响	刘桂林,任直亲,夏丽萍 (1425)
老年维持性血液透析患者的疲乏及其相关因素研究	吴瑕,郭璇,翟独秀 (1429)
重症长期卧床老年患者导管相关感染发生调查及影响因素分析	郭大伟,杨雨奇,王朋飞,等 (1434)
经中心静脉持续泵注小剂量去甲肾上腺素对老年股骨粗隆间骨折手术患者血流动力学、术中血管活性药物用量及术后认知功能的影响	程修强,路磊,李井华,等 (1439)
老年髋关节骨折患者情绪障碍现状调查及影响因素研究	黄蓉,周文娟,周世然 (1444)
以患者需求为导向干预模式在老年患者伤口处理中的临床应用观察	张露,曾贞,查玉梅 (1449)

耳内镜下夹层法鼓膜修补术治疗老年慢性中耳炎鼓膜穿孔患者的疗效分析	张林, 张小东 (1454)
半导体激光联合微波治疗在老年带状疱疹的临床观察	贺燕妮, 曹婧, 余银霞, 等 (1458)
某三甲医院老年住院患者潜在不适当处方横断面调查	李向桃, 李云双, 陆平, 等 (1462)

短篇论著

老年患者普通结肠镜检查腹痛程度的影响因素及预测模型的建立	张娜, 焦莉莉, 晁霞 (1467)
------------------------------	--------------------

综 述

衰弱动物模型研究进展	吴雨辰, 汪慧菁 (1470)
衰弱与 Klotho 蛋白相关性的研究进展	赖飘, 张俐, 吴永华 (1475)
小胶质细胞在人体衰老过程中的变化及其在血压调控中的作用	徐逸婷, 韩文正 (1478)
肌少症与慢性阻塞性肺疾病的研究进展	彭南昕, 胡玲丽 (1482)
老年重症肌无力免疫学病因及中西医治疗进展	王一晰, 黄柏玮 (1487)
老年 2 型糖尿病患者并发肌肉减少症风险因素的研究进展	陈绍敏, 杨小玲 (1491)
老年癌症患者失志综合征现状和影响因素研究进展	梁琴, 吉林霞 (1496)
老年肺癌放化疗患者癌因性疲劳的康复干预的研究进展	吉林霞, 倪碧玉 (1500)
代谢组学技术在老年肥胖中的应用研究进展	董明, 宦红梅 (1504)

GERIATRICS & HEALTH CARE

Bimonthly Established in November 1995, Volume 30, Number 5 (Total 151), Oct. 25, 2024

Responsible Institution

Shanghai Municipal Health Commission

Sponsor

Huadong Hospital

Huadong Hospital Affiliated To Fudan University

Editing

Editorial Department of GERIATRICS & HEALTH CARE

No. 221 West Yan An Road, Shanghai 200040, P. R. China

Tel: 0086-021-62483180 × 720401, 720404

Fax: 0086-021-62484981

E-mail: lnyxybj@126.com

Publishing

Editorial Office of GERIATRICS & HEALTH CARE

Editor-in-Chief

Yu Zhuowei

Executive Editor-in-Chief

Wang Chuanfu

Managing Director

Bao Zhijun

Associate Director

Xia Shijin

Printing

Printing House of Shanghai Second Educational College

Mail-Order

Editorial Department of Geriatrics & Health Care

Huadong Hospital, No. 221 West Yan An Road, Shanghai 200040, P. R. China

CSSN

ISSN 1008-8296

CN 31-1798/R

Copyright © 2024 by Huadong Hospital

Huadong Hospital Affiliated To Fudan

University

Contents in Brief

Commentary

Frailty: The Holy Grail of gerontology

Ji Xueying, Chen Jie, Bao Zhijun (1205)

Experts Forum

Research progress on biomarkers of frailty

Wang Xiaofeng (1208)

Research on early warning and intervention technology for elderly debilitating syndrome based on wearable artificial intelligence

Chen Yiqiang, Yang Xiaodong, Sun Jiahao, et al (1212)

Research progress on relationship between sarcopenic obesity and cardiovascular disease

Du Cen, Wang Haiya (1218)

Original Article

Construction and application of healthy aging index based on neural network model

Jiang Junjia, Yang Shitong, Zhu Jingjie, et al (1223)

Analysis of frailty phenotype of a middle-aged and elderly population in a community in Shanghai based on artificial intelligence machine learning decision tree algorithm

Zhang Ziyang, Zhang Shunshun, Ma Juan, et al (1230)

A study of influencing factors of frailty among community residents aged 50 and above in a central urban area of Shanghai city based on frailty index

Ji Yunfang, He Lihua, Gao Shu'na, et al (1239)

The distribution of Traditional Chinese Medicine syndrome types and blood stasis syndrome in elderly patients with frailty

Wang Boshen, Li Yuehua, Zhang Haiyan, et al (1245)

A study of promotion of myogenic differentiation of C2C12 cells by salidroside combined with curcumin and prevention of palmitic acid-induced myotube atrophy

He Yaqi, Feng Ying (1250)

Investigation on current status of cognitive dysfunction among community dwelling elderly people in Shanghai and analysis of its influencing factors	
<i>Wang Xiaqing, Wang Changying, Zhang Yunwei, et al</i>	(1258)
Construction of a disability prediction model for the elderly with diabetes based on CHARLS database	
<i>Chen Rongfang, Yan Peijing, Lyu Xiaoyu, et al</i>	(1264)
Relationship between TSH level and carotid intima-media thickness in elderly type 2 diabetes mellitus patients with normal thyroid function	
<i>Zhou Haiping, Peng Wenfang, Xu Bojin, et al</i>	(1270)
Analysis of prognosis of elderly patients with type 2 diabetes mellitus complicated with diabetes ketoacidosis receiving dietary management	
<i>Wang Dan, Li Shuang, Zhang Jinjuan, et al</i>	(1275)
A retrospective analysis of efficacy of invasive and conservative treatment in patients aged 80 years and older with non-ST-segment elevation acute coronary syndrome	
<i>Zhai Xinrong, Chen Yang, Guan Shaofeng, et al</i>	(1280)
The expression of miRNA-483 and miRNA-499 in plasma of elderly patients with acute myocardial infarction and their clinical significance	
<i>Zhang Hexi, Peng Fei, Fei Juanjuan, et al</i>	(1285)
Diagnostic value of blood exosome hsa_circ_0001360 in atherosclerosis	
<i>Zhang Wan, Cui Jiasen, Li Li, et al</i>	(1290)
Logistic regression analysis of influencing factors for long-term prognosis in 209 elderly patients with chronic heart failure	
<i>Zhang Haihong, Zhu Xiuming, Wang Haiya</i>	(1296)
Investigation of compliance with anticoagulant therapy and analysis of prognostic factors in elderly patients after cardiac valve replacement	
<i>Zhang Xing, Lian Jing</i>	(1303)
Correlation analysis of coronary microcirculation index and inflammatory status and severity of coronary heart lesions in elderly patients	
<i>Du Junyu, Wang Lin, Yang Ting, et al</i>	(1309)
A retrospective study of different drug intervention regimens in prevention of epilepsy after hypertensive stroke in the elderly	
<i>Wang Li, Sun Tiantian, Dong Shaojun, et al</i>	(1314)
Effects of health education based on key point control principles on rehabilitation of elderly patients with AMI after PCI	
<i>Deng Nannan, Wei Huanhuan, Tu Sheng</i>	(1319)
Analysis of effects of occupational therapy on mental state and executive ability in elderly patients with post-stroke depression and mild cognitive impairment	
<i>Li Yuanhao, Ji Jie</i>	(1325)
A study of short-term mechanical effects of kinesio taping on elderly stroke patients with shoulder subluxation	
<i>Tang Yan, Miao Yun, Duan Zhouying, et al</i>	(1329)
Application of cognitive rehabilitation training based on “Internet + ” in elderly patients with cerebral small vascular disease complicated with OSAHS cognitive impairment	
<i>Ma Meichen, Li Xianghua, Chen Yu, et al</i>	(1333)
Effects of Ren meridian moxibustion combined with Shiwei Wendan decoction on efficacy and quality of life of elderly patients with refractory insomnia	
<i>Fu Junhua, Mi Jia</i>	(1338)

Effects of resting time before radiotherapy positioning on planned dose of radiotherapy in elderly patients with breast cancer

Li Ya, Ge Weiqiang, Xue Yiming (1343)

Clinical application of modified accelerated rehabilitation nursing in perioperative period of elderly patients with pancreatic cancer

Zhang Jiajie, Chen Jiawei, Shi Ting, et al (1348)

Antitumor activity research of a microtubule structure-altering polypeptide in elderly lung cancer cells in vitro

Shi Zhan (1354)

Clinical observation of erlotinib combined with bevacizumab in treatment of elderly patients with advanced non-small cell lung cancer

Sun Xiaobing, He Ruiqing, Dong Yan, et al (1360)

Analysis of influencing factors of chemotherapy efficacy in elderly patients with advanced non-small cell lung cancer

Shan Jiamin, Ji Hongyan, Wang Meihua (1366)

Effects of multi-dimensional support under theory of gratitude extension-construction on psychological state and quality of life in elderly patients with non-small cell lung cancer undergoing chemotherapy

Dai Lijun, Zhong Qiaoling, Hong Hong (1371)

Analysis of risk factors for postoperative delirium in elderly patients undergoing radical resection of esophageal cancer

Zhang Meixia, Chen Lili, Yang Aimin, et al (1377)

Expression and clinical significance of KLF17 and TP53 proteins in cancer tissues of elderly patients with gastric cancer

Hu Chengyi, Li Yingying, Sun Ying (1382)

Evaluation of effects of intelligent voice health intervention on elderly high-risk populations with colorectal cancer

He Lihua, Gao Shu'na, Du Juan, et al (1388)

Correlation between anxiety and depression and CAT score and analysis of risk factors in elderly patients with chronic obstructive pulmonary disease

Yu Yan, Xu Ying, Qian Yiwen, et al (1394)

Study on preventive effects of artificial airway balloon nursing based on the best evidence on VAP in elderly AECOPD patients undergoing mechanical ventilation

Zhao Dan, Tan Xiaomei, Tang Yao, et al (1398)

Effects of goal-directed adverse behavior reversal intervention on self-care ability and medical compliance behavior in elderly patients with gastric ulcer bleeding after endoscopic treatment

Li Wenxi, Liang Minghui, Li Jianmei (1402)

Characterization of gut microbiota in elderly patients with chronic constipation

Liu Kangwei, Ma Jianxia, Sun Jianqin, et al (1408)

Analysis of influencing factors and risk management of sudden adverse events during digestive endoscopy in elderly physical examination population

Chen Jingjing, Wang Xiaohang, Lu Runqing, et al (1414)

Potential effects of Gegen Qinlian decoction on renal fibrosis based on network pharmacology

Liu Dehua, Wang Xiaojun, Lu Lili, et al (1419)

Efficacy of roxadustat combined with rHuEPO in treatment of elderly patients with renal anemia undergoing maintenance hemodialysis and its effect on iron metabolism

Liu Guilin, Ren Zhiqin, Xia Liping (1425)

A study of fatigue and its related factors in elderly patients undergoing maintenance hemodialysis

Wu Xia, Guo Xuan, Zhai Duxiu (1429)

Investigation of catheter-related infections and analysis of its influencing factors in elderly long-term bedridden patients with critical illness	
<i>Guo Dawei, Yang Yuqi, Wang Pengfei, et al</i>	(1434)
Effects of continuous infusion of low-dose norepinephrine via central vein on hemodynamics, intraoperative vasoactive drug dosage and postoperative cognitive function in elderly patients undergoing intertrochanteric fracture surgery	
<i>Cheng Xiuqiang, Lu Lei, Li Jinghua, et al</i>	(1439)
Investigation of current status of emotional disorder and study of its influencing factors in elderly patients with hip fracture	
<i>Huang Rong, Zhou Wenjuan, Zhou Shiran</i>	(1444)
Observation of clinical application of patient demand-oriented intervention model in wound treatment of elderly patients	
<i>Zhang Lu, Zeng Zhen, Cha Yumei</i>	(1449)
Analysis of therapeutic effects of endoscopic interlayer myringoplasty in treatment of tympanic membrane perforation in elderly patients with chronic otitis media and tympanic membrane perforation	
<i>Zhang Lin, Zhang Xiaodong</i>	(1454)
Clinical observation of semiconductor laser combined with microwave in treatment of herpes zoster in the elderly	
<i>He Yanni, Cao Jing, Yu Yinxia, et al</i>	(1458)
A cross-sectional investigation of potential inappropriate prescriptions for elderly inpatients in a third class hospital	
<i>Li Xiangtao, Li Yunshuang, Lu Ping, et al</i>	(1462)

Short Original Article

The influencing factors and prediction model establishment of abdominal pain severity in elderly patients undergoing ordinary colonoscopy examination

<i>Zhang Na, Jiao Lili, Chao Xia</i>	(1076)
--------------------------------------	--------

Review

Recent progress on animal models of frailty

<i>Wu Yuchen, Wang Huijing</i>	(1470)
--------------------------------	--------

Research progress on correlation between frailty and Klotho protein

<i>Lai Piao, Zhang Li, Wu Yonghua</i>	(1475)
---------------------------------------	--------

Changes of microglia during human aging and their role in blood pressure regulation

<i>Xu Yiting, Han Wenzheng</i>	(1478)
--------------------------------	--------

Research progress on sarcopenia and chronic obstructive pulmonary disease

<i>Peng Nanxin, Hu Lingli</i>	(1482)
-------------------------------	--------

Immunological etiology of myasthenia gravis and progress of Chinese and Western medicine treatment in elderly patients

<i>Wang Yixi, Huang Bowei</i>	(1487)
-------------------------------	--------

Research progress on risk factors for sarcopenia in elderly patients with type 2 diabetes

<i>Chen Shaomin, Yang Xiaoling</i>	(1491)
------------------------------------	--------

Research progress on current status and influencing factors of asthenic syndrome in elderly cancer patients

<i>Liang Qin, Ji Linxia</i>	(1496)
-----------------------------	--------

Research progress on rehabilitation intervention of cancer-related fatigue in elderly patients with lung cancer undergoing chemoradiotherapy

<i>Ji Linxia, Ni Biyu</i>	(1500)
---------------------------	--------

Research progress on the application of metabolomics technology in elderly obesity

<i>Dong Ming, Huan Hongmei</i>	(1504)
--------------------------------	--------