

获第五届中国出版政府奖先进出版单位奖  
美国 CINAHL Information Systems 收录期刊  
北大·中文核心期刊  
中国科技核心期刊

ISSN 1009-6493

CN 14-1272/R

# 护理研究<sup>®</sup>

## HULI YANJIU

第37卷 第19期

# CHINESE NURSING RESEARCH

Volume 37 Number 19

October 2023

10月  
2023年



ISSN 1009-6493



山西医科大学第一医院  
山西省护理学会

护  
理  
研  
究

第  
三  
十  
七  
卷

第  
十  
九  
期

二  
〇  
二  
三  
年

# 护理研究®

## CHINESE NURSING RESEARCH

半月刊

第 37 卷 第 19 期(总第 735 期) 2023 年

### 护理研究

(1987 年 4 月创刊 半月刊)

名誉总编 王 峻 段志光

名誉主编 徐 钧 张瑞平

总编 吴欣娟 韩清华 王益锵  
韩世范

常务副总编 程金莲

副总编 薛 平 杨 辉 朱瑞芳

主编 韩世范

常务副主编兼编辑部主任 朱瑞芳

责任编辑 苏 琳

英文编辑 阴怀清

主管

山西省卫生健康委员会

主办

山西医科大学第一医院

山西省护理学会

出版

山西医学期刊社有限责任公司

编辑

《护理研究》编辑部

地址 山西省太原市解放南路  
85 号(邮政编码 030001)

电话 0351-4639626

网址 www.hlyjzz.com

http://www.suol.cn

电子信箱 sxhulizz@vip.163.com

印刷 山西华文科杰印业有限公司

发行范围 公开发行

国内总发行

山西省邮政报刊发行局

国外总发行

中国国际图书贸易集团有限公司

(北京 399 信箱, 100044)

(国外代号 TP4508)

订阅 全国各地邮电局(所)

中国标准连续出版物号

ISSN 1009-6493

CN 14-1272/R

2023 年第 37 卷第 19 期

(总第 735 期)

2023 年 10 月 10 日出版

广告发布登记 并审管广字[2020]017 号

国内每期定价 25.00 元 全年定价 600.00 元

邮发代号 22-130

如有印装质量问题, 请与《护理研究》编辑部  
联系调换。

除非特别声明, 本刊刊出的所有文章不代表  
本刊编委会的观点。

### 目 次

#### 理论研究

老年人孤独感的概念分析

王 雪, 金银姬, 金美香, 权海善, 崔文香 ..... (3417)

血液透析后疲乏的概念分析

张 颖, 刘晓辉 ..... (3423)

#### 科研论著

宫颈癌幸存者自我倡权影响因素及其与生活质量的相关性

梁 湘, 陈海林, 杨雪梅, 陈 英 ..... (3428)

临床护理人员对围术期病人疼痛管理知行问卷的编制与信效度检验

兰 星, 高兴莲, 刘云访, 鲁才红, 李素云, 王培红, 熊丹莉, 谭 璇 ..... (3435)

老年慢性病病人电子健康素养现状及影响因素

胡宇帆, 陈 璐, 邓 悦, 张远星, 何 磊, 季翠玲 ..... (3442)

医护人员心理弹性量表的汉化及信效度检验

焦春辉, 屈清荣, 崔天娇, 高娅格, 高娅鑫 ..... (3448)

不同类型重症精神障碍病人睡眠结构比较及预测模型的建立

栗恺雯, 郎小娥, 刘 彩, 郝 萌 ..... (3453)

中医医院新入职护士培训方案的构建

周 旭, 徐 俐, 黄 铮 ..... (3461)

安宁疗护跨学科合作修订指数的汉化及信效度检验

聂小菲, 贾 佳, 吕翻翻, 李龙侗, 卓儒红 ..... (3469)

#### 科研综述

基于虚拟现实技术的筛查工具在轻度认知障碍老年人中的应用研究进展

李雨灿, 胡 慧, 邓 蓓, 叶念思, 刘雪婷, 周 诗, 彭云巧 ..... (3477)

血液肿瘤病人支持性照护需求研究进展

许彤瑶, 刘腊梅, 顾孙梦瑶, 钱雨萌 ..... (3481)

老年心血管疾病病人衰弱与抑郁的相关性研究进展

努尔比亚木·艾合提, 石 芳, 许 明, 陈思敏, 开地日艳·库日班江, 杨 蕾 ..... (3487)

护理教育领域深度学习及其促进策略的研究进展

王 濯, 卢 珏, 张振香 ..... (3492)

1 型糖尿病青少年饮食行为紊乱研究进展

魏振港, 李 苏, 刘其兰, 黄仕明, 宋 佳, 王晓华 ..... (3496)

#### 慢性病人积极度研究进展

郝娟娟,翟清华,张春慧,王露茗,葛爽,李鑫静 ..... (3501)

#### 家属参与ICU病人谵妄评估研究进展

朱世超,李黎明,邢焕民,夏明,李龙,张勇 ..... (3505)

#### 成人重症监护室病人随访研究进展

董俊兰,江智霞,袁晓丽,杨晓玲,游琳琳,李丝静,罗娟  
..... (3510)

#### 肺移植病人体力活动研究进展

陈瑞云,杨慧,刘赛赛,陈静儒,高培玉 ..... (3514)

#### 生活化锻炼在预防老年人跌倒中的应用研究进展

金磊,沈旭慧,孙丽丽 ..... (3520)

#### 安宁疗护实践伦理困境研究进展

杨雪梅,陈英,熊每珠,梁湘 ..... (3525)

#### 糖尿病病人电子健康素养研究进展

李萍,韩梅 ..... (3528)

#### 赋权理论在肾移植受者健康促进中的应用研究进展

贺田,沈鸣雁,贾欣宇 ..... (3533)

#### 综合研究

#### 基于PERMA模式的护理干预对中青年脑卒中病人病耻感和日

常生活能力的影响

郑子秀,宋润路,高焱,赵云肖,康静,李舒鑫,于从  
..... (3538)

#### 首发精神分裂症病人性激素水平对其认知功能的影响

刘彩,郎小娥,栗恺雯,郝萌 ..... (3545)

#### 老年人自我感知老化现状及其影响因素

黄素芬 ..... (3550)

#### 奥塔戈运动训练对老年人跌倒恐惧的影响

裴鑫悦,卢孟倩,汪凤兰,张小丽,张盼,邢凤梅 ..... (3555)

#### 首发精神分裂症病人糖代谢指标与性激素水平的相关性

郝萌,郎小娥,栗恺雯,刘彩 ..... (3558)

#### 基于物联网原理的智能握力管理平台在门诊PICC病人中的应用

朱青,秦黎,金叶,吴凯平 ..... (3563)

#### 雾化治疗病人雾化知行特征的潜在类别分析

李静,刘素彦,林梅 ..... (3569)

#### 晚期中青年癌症病人安宁疗护态度现状及影响因素

宫轩禹,张善红,李菲菲,何月媛,刘彩玲 ..... (3575)

#### 基于自我效能理论的护理干预联合早期精细化护理改善青年

脑梗死病人抑郁的效果

蔡莉莉,吴琼,王育宁,范晓燕,岳美霞,武丽丽 ..... (3582)

#### 重症肌无力病人重返工作准备度现状及其影响因素

王亮亮,谢明,姚楠,和晓莉,周菁菁,孙蓉戎,唐宝丽  
..... (3587)

#### 治疗性沟通改善帕金森病病人焦虑及抑郁的效果

段嘉宜,魏绍辉 ..... (3592)

#### 癌症病人放疗期间放射性皮炎的影响因素调查

程方方,朱欢欢,贾朝朝,闫荣,林雨婷,丁敏,孟祥敏  
..... (3597)

#### 目次(-1-) Contents(-3-)

#### 本刊稿约见本卷第1期

## 声 明

### (依照国际惯例登载)

护理学是一门不断发展的学科。由于新的研究成果层出不穷,临床经验不断积累,我们有必要了解治疗、护理及用药的新变化。本刊作者和出版者根据可靠的科学研究提供了当今最新的护理学科研究成果。但由于人类存在着个体差异及医学的不断发展,人们对既往科研成果有新的认识并使之不断完善。本刊编者、出版者及任何参与本刊出版的团体在此郑重声明:本刊提供的所有资料都是经过严格的同行评议,并符合出版要求,但在临床使用时,请在上级专业人员(主管医师、上级护师)指导下进行。对因使用本刊资料而引起的任何医疗差错、事故,本刊将不承担任何责任。希望读者参照其他材料来证实本刊研究结果的可靠性。例如,拟使用本刊资料时,可核对将要使用的药物说明书,确认本刊提供的资料是否准确及推荐的药物剂量或禁忌证有无改变,对于新药或不经常使用的药物更应如此。

《护理研究》编辑部

## Statement

### (Publishing according to the international practice)

Nursing science is an ever-changing science. It is necessary to understand the latest therapy, nursing, and medication changes, with the emerging of new results all the time and continuous accumulation of clinical experience. The authors and publishers of this journal provide the latest nursing information based on their reliable scientific achievements. However, people have a new understanding on the previous research results and make them perfect due to the individual human diversity and constant development in medical sciences. The editor, publisher, and any other parties involved in the publication of the journal hereby solemnly declare that all the materials provided by the journal are subject to strict peer-review and meet the publication requirements, but please use them under the guidance of professionals (competent physicians, superior nurses) in clinical practice. The journal will take no responsibility for any medical errors or negligence from the use of such results. Readers are encouraged to prove reliability of data with other sources. For example, readers are advised to verify the accuracy of the data and check whether changes have been made in the recommended dose or the contraindication by reading medicine operation instructions when preparing to use the journal information. This recommendation is critical in connection with new or infrequently used drugs.

Editorial Office of Chinese Nursing Research



# CHINESE NURSING RESEARCH

*Semimonthly*

Vol. 37 No. 19 2023

## CONTENTS

### Theoretical study

#### Concept analysis of the loneliness in the elderly

WANG Xue, JIN Yinji, JIN Meixiang, QUAN Haishan, CUI Wenxiang..... (3417)

#### Concept analysis of post dialysis fatigue

ZHANG Ying, LIU Xiaohui ..... (3423)

### Original Articles

#### Influencing factors of self-advocacy in cervical cancer survivors and its correlation with quality of life

LIANG Xiang, CHEN Hailin, YANG Xuemei, CHEN Ying ..... (3428)

#### Development of clinical nurses' knowledge - attitude - practice questionnaire on pain management of perioperative patients and its reliability and validity test

LAN Xing, GAO Xinglian, LIU Yunfang, LU Caihong, LI Suyun, WANG Peihong, XIONG Danli, TAN Xuan ..... (3435)

#### Status quo and influencing factors of eHealth literacy in elderly patients with chronic diseases

HU Yufan, CHEN Lu, DENG Yue, ZHANG Yuanxing, HE Lei, JI Cuiling..... (3442)

#### Chinese version of Medical Professionals Resilience Scale and its reliability and validity test

JIAO Chunhui, QU Qingrong, CUI Tianjiao, GAO Yage, GAO Yaxin..... (3448)

#### Comparison of sleep structure in patients with different types of major mental disorders and its establishment of prediction model

LI Kaiwen, LANG Xiao'e, LIU Cai, HAO Meng ..... (3453)

#### Construction of training program for new nurses in TCM hospitals

ZHOU Xu, XU Li, HUANG Zheng ..... (3461)

#### Chinese version of Modified Index of Interdisciplinary Collaboration and its reliability and validity test

NIE Xiaofei, JIA Jia, LYU Fanfan, LI Longti, ZHUO Ruhong..... (3469)

### Review Articles

#### Research progress on the application of screening tools based on virtual reality technology in the elderly with mild cognitive impairment

LI Yucan, HU Hui, DENG Bei, YE Niansi, LIU Xueting, ZHOU Shi, PENG Yunqiao ..... (3477)

#### Research progress on supportive care needs of patients with hematologic malignancies

XU Tongyao, LIU Lamei, ZHUANSUN Mengyao, QIAN Yumeng..... (3481)

#### Research progress on correlation between frailty and depression in elderly patients with cardiovascular diseases

NUERBIYAMU•Aiheti, SHI Fang, XU Ming, CHEN Simin, KAIDIRIYAN•Kuribanjiang, YANG Lei..... (3487)

#### Research progress of deep learning and its promoting strategies in nursing education

WANG Zhuo, LU Jue, ZHANG Zhenxiang ..... (3492)

#### Research progress of disordered eating behaviors in adolescents with type 1 diabetes mellitus

WEI Zhengang, LI Su, LIU Qilan, HUANG Shiming, SONG Jia, WANG Xiaohua ..... (3496)

#### Research progress of patient activation for chronic disease patients

HAO Juanjuan, ZHAI Qinghua, ZHANG Chunhui, WANG Luming, GE Shuang, LI Xinjing..... (3501)

#### Research progress of family involvement in the assessment of delirium in ICU patients

ZHU Shichao, LI Liming, XING Huanmin, XIA Ming, LI Long, ZHANG Yong ..... (3505)

#### Research progress on follow-up of adult patients in intensive care unit

DONG Junlan, JIANG Zhixia, YUAN Xiaoli, YANG Xiaoling, YOU Linlin, LI Sijing, LUO Juan ..... (3510)

#### Research progress of physical activity in patients with lung transplantation

CHEN Ruiyun, YANG Hui, LIU Saisai, CHEN Jingru, GAO Peiyu ..... (3514)

#### Research progress on the application of life-based exercise in the prevention of falls for older adults

JIN Lei, SHEN Xuhui, SUN Lili ..... (3520)

#### Research progress on ethical dilemmas of hospice care

YANG Xuemei, CHEN Ying, XIONG Meizhu, LIANG Xiang..... (3525)

|                                                                                                                                                                    |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Research progress of eHealth literacy in diabetic patients</b>                                                                                                  |        |
| <i>LI Ping, HAN Mei</i> .....                                                                                                                                      | (3528) |
| <b>Research progress on the application of empowerment theory in the health promotion of kidney transplant recipients</b>                                          |        |
| <i>HE Tian, SHEN Mingyan, JIA Xinyu</i> .....                                                                                                                      | (3533) |
| <b>Comprehensive Study</b>                                                                                                                                         |        |
| <b>Effect of nursing intervention based on PERMA model on stigma and ability of daily living in young and middle-aged stroke patients</b>                          |        |
| <i>ZHENG Zixiu, SONG Runluo, GAO Yan, ZHAO Yunxiao, KANG Jing, LI Shuxin, YU Cong</i> .....                                                                        | (3538) |
| <b>Effects of sex hormone level on cognitive function in patients with first-episode schizophrenia</b>                                                             |        |
| <i>LIU Cai, LANG Xiao'e, LI Kaiwen, HAO Meng</i> .....                                                                                                             | (3545) |
| <b>Status quo and influencing factors of self-perception of aging in the elderly</b>                                                                               |        |
| <i>HUANG Sufen</i> .....                                                                                                                                           | (3550) |
| <b>Effect of Otago exercise training on fear of falling in older adults</b>                                                                                        |        |
| <i>PEI Xinyue, LU Mengqian, WANG Fenglan, ZHANG Xiaoli, ZHANG Pan, XING Fengmei</i> .....                                                                          | (3555) |
| <b>Correlation between glucose metabolism and sex hormone in patients with first-episode schizophrenia</b>                                                         |        |
| <i>HAO Meng, LANG Xiao'e, LI Kaiwen, LIU Cai</i> .....                                                                                                             | (3558) |
| <b>Application of intelligent grip strength management platform based on the principle of internet of things in outpatient PICC patients</b>                       |        |
| <i>ZHU Qing, QIN Li, JIN Ye, WU Kaiping</i> .....                                                                                                                  | (3563) |
| <b>Latent class analysis of the characteristics of nebulization knowledge, attitude, and practice in patients undergoing nebulization</b>                          |        |
| <i>LI Jing, LIU Suyan, LIN Mei</i> .....                                                                                                                           | (3569) |
| <b>Status quo and influencing factors of palliative care attitude in advanced young and middle - aged cancer patients</b>                                          |        |
| <i>GONG Xuanyu, ZHANG Shanhong, LI Feifei, HE Yueyuan, LIU Cailing</i> .....                                                                                       | (3575) |
| <b>Effect of nursing intervention based on self-efficacy theory combined with early intensive nursing on depression in young patients with cerebral infarction</b> |        |
| <i>CAI Lili, WU Qiong, WANG Yuning, FAN Xiaoyan, YUE Meixia, WU Lili</i> .....                                                                                     | (3582) |
| <b>Status quo and influencing factors of readiness to return to work for myasthenia gravis patients</b>                                                            |        |
| <i>WANG Liangliang, XIE Ming, YAO Nan, HE Xiaoli, ZHOU Jingjing, SUN Rongrong, TANG Baoli</i> .....                                                                | (3587) |
| <b>Effect of therapeutic communication on improving anxiety and depression in patients with Parkinson's disease</b>                                                |        |
| <i>DUAN Jiayi, WEI Shaohui</i> .....                                                                                                                               | (3592) |
| <b>Investigation of influencing factors of radiation dermatitis in cancer patients during radiotherapy</b>                                                         |        |
| <i>CHENG Fangfang, ZHU Huanhuan, JIA Chaochao, YAN Rong, LIN Yuting, DING Min, MENG Xiangmin</i> .....                                                             | (3597) |

## CHINESE NURSING RESEARCH

(Semimonthly)

Vol. 37 No. 19 2023

### General Editors

WU Xijuan, HAN Qinghua, WANG Yiqiang, HAN Shifan

### Editor-in-Chief

HAN Shifan

### Standing Deputy Editor-in-Chief and Editorial Director

ZHU Ruifang

### Sponsor

The First Hospital of Shanxi Medical University  
Shanxi Nursing Association

### Editing

Chinese Nursing Research Editorial Office  
Address No. 85, Jiefang South Road, Taiyuan 030001,  
Shanxi, China

Tel +86 351 463 9626

E-mail sxhuliz@vip.163.com

URL www.hlyjz.com  
http://www.suol.cn

### Publishing

Shanxi Medical Periodical Press Co.,Ltd.

### Printing

Shanxi Huawen Kejie Printing Limited Company

### Domestic Distributor

Postal Newspaper and Journal Publishing House of  
Shanxi Province  
Subscription Code 22—130

### Overseas Distributor

China International Book Trading Corporation, P.O.  
Box 399, Beijing, 100044, China  
Code No.TP4508

### Subscriptions

Local Post Offices

### CSSN

ISSN 1009—6493

CN 14—1272/R

Established 1987

Publication Date October 10, 2023

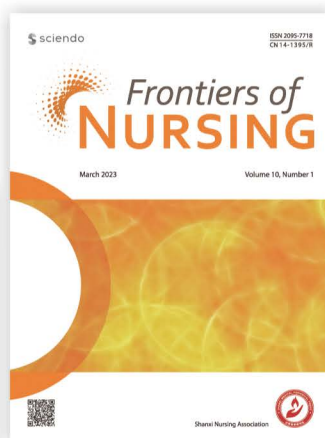
# 山西医学期刊社微书店



《护理研究》：双核心期刊（中文核心与科技核心），中国期刊方阵双效护理期刊，为护理学领域高质量科技期刊分级目录T1级期刊。



《循证护理》：循证护理专业期刊。



Frontiers of Nursing: Scopus收录期刊，护理专业类英文期刊。



《中西医结合心脑血管病杂志》：科技核心期刊，中西医领域心脑血管病专业期刊。

| 刊名             | 刊期              | 国内定价  | E-mail                   |
|----------------|-----------------|-------|--------------------------|
| 《护理研究》         | 半月刊，每月10日、25日出版 | 25元/期 | sxhulizz@vip.163.com     |
| 《中西医结合心脑血管病杂志》 | 半月刊，每月10日、25日出版 | 25元/期 | zxyjhxnxgbzz@vip.163.com |
| 《循证护理》         | 半月刊，每月10日、25日出版 | 20元/期 | xzhl@vip.163.com         |
| 《护理前沿（英文）》     | 季刊，季首月20日出版     | 25元/期 | hlyjywb@vip.163.com      |



微书店订阅：

微信扫描左边小程序码或搜索“山西医学期刊社微书店”小程序进入即可购买。

地址：山西省太原市解放南路85号  
电话：0351-4639626 4639059  
E-mail: sxhulizz@vip.163.com  
网址: http://www.suo1.cn

· 欢迎订阅 欢迎投稿 欢迎刊登广告 ·

(广告)

山西医科大学第一医院 主办  
山西省护理学会

ISSN 1009-6493  
CN 14-1272/R

每期定价 25.00 元