

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36卷 第9期

# CHINESE NURSING RESEARCH

Volume 36 Number 9

May 2022

5月  
2022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  
六  
卷

第  
九  
期  
(总  
第  
七  
〇  
一  
期)

二  
〇  
二  
二  
年

# 护理研究®

## CHINESE NURSING RESEARCH

半月刊

第36卷 第9期(总第701期) 2022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 刘春 徐钧  
 总编 韩清华 王益锵 韩世范  
 常务副总编 程金莲  
 副总编 吴欣娟 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 崔晓芳  
 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

2022年第36卷第9期

(总第701期)

2022年5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

#### 指南研究

加拿大 安大略注册护士学会2020版《临终前12个月安宁疗护临床实践指南》解读  
王 玫,李婉玲,乐 霄,王 静,孔 婵 ..... (1505)

《伤口负压结合灌注治疗国际共识指南(2019版)》解读  
魏 敏,夏冬云,吴 玲 ..... (1511)

#### 科研论著

我国老年糖尿病人群队列认知功能障碍的风险预测分析  
娄方丽,田维毅,石国风,田 辉 ..... (1515)

“大健康”视域下老年人运动健身专利情报分析  
韩尚洁,高 明,于 琦,段 卉,郭凯茜 ..... (1523)

青少年抑郁症风险预测模型的构建及验证  
侯佳璐,康凤英,赵 娟,程俊香,杜小梅,焦 玉 ..... (1529)

神经质人格对护士心理健康的影响及心理资本、压力知觉的链式中介作用  
田 苗,向圣晓,于尚平,童 萍,胡娅莉,王 艳 ..... (1537)

养老机构老年人社会隔离、抑郁与衰弱的关系  
张 焱,刘 方,徐 瑞,易梦思,郭姣姣 ..... (1543)

II型呼吸衰竭病人应用高流量湿化氧疗的最佳证据总结  
于佰超,马莎莎,杨 行,卢 洁,许红梅 ..... (1547)

妊娠晚期孕妇预警评分表在高危孕妇筛查中的再预测分析  
郭瑜瑜,郭锦丽,刘 芳,秦 璐,周 敏 ..... (1556)

结直肠癌幸存者支持性照护需求现状及其影响因素分析  
胡彩平,林 毅,李金平,李秋萍 ..... (1561)

产后连结问卷的汉化及信效度检验  
洋梦霞,聂 蓉 ..... (1568)

急诊不同护理单元工作中断事件的比较分析  
贾诗祺,林 涛,冯先琼 ..... (1573)

妊娠期糖尿病高危孕妇膳食模式现状及其影响因素分析  
邹玉姣,魏丽丽,王静远,李 雯,吕伯瀚 ..... (1579)

骨肿瘤病人医院感染影响因素及经济负担分析  
宋 明,王书会 ..... (1584)

#### 科研综述

人工智能在肿瘤护理领域应用的研究进展  
曹堇沫 ..... (1589)

护理大数据的应用进展与挑战  
姚 瑶,田宝文 ..... (1594)

社区老年人衰弱风险预测模型的研究进展

王 娇,商临萍 ..... (1598)

老年谵妄评估及干预策略研究现状

李 梅,丁永艳,付 沫 ..... (1601)

远程监测在帕金森病病人中应用的研究进展

祁郑晴,许 虹 ..... (1607)

神经源性膀胱病人间歇导尿评估工具的研究进展

向俊玲,陈红宇,陈 淳,胡君娥,张高鹏,李小萍,胡 桃  
..... (1611)

甲状腺癌术后病人生活质量的研究进展

翁艳翎,陈晓侠,宋文静,张 莉 ..... (1616)

血液透析治疗回血方法研究进展

杨柳芬,邓 佳,刘海梅,方 梁,梁海燕 ..... (1620)

综合研究

基于CNKI数据库的护理理论相关研究的文献计量学分析

朱瑞芳,王亚萍,韩世范,段志光 ..... (1623)

基于深度学习的2D/3D图像配准方法在脊柱微创导航手术中的应用

邢珍珍,颜立祥,张麟华 ..... (1631)

不同年级医学研究生精神心理症状与压力的相关性分析

郭莉莉,闫俊萍,郝百旺 ..... (1637)

新生儿早期基础保健对产妇产会阴侧切缝合疼痛及新生儿血容量的影响

李 悦,邹 运,任明保,韩翠存,肖 爽 ..... (1641)

微创心排量监测在肾移植术后液体管理中的应用

田红芳,冀红娟,石韶华 ..... (1646)

在线学习联合虚拟痴呆体验对本科护生痴呆知识、态度及照护自信心的影响

陈海雯,肖 萍,宋 洁,姜倩倩,鹿笑寒,刘 霖 ..... (1649)

基于整合照护理念的综合干预方案对老年稳定性冠心病病人衰弱的影响

晋聪聪,商临萍,李淑花,王 娇,刘昱秀,马佳楚 ..... (1653)

系统营养支持管理在食管癌同步放化疗病人中的应用

闫亚维,汪 婷,程美玲 ..... (1660)

永久性结肠造口病人心理韧性在自我护理能力与希望水平间的中介效应

吉俊霞,姚 翠 ..... (1665)

萨提亚模式干预在食管癌病人家庭照顾者中的应用

温晓萌,蔡 萍,褚江辉,苏 慧,仝太山,顾丹凤 ..... (1671)

团体心理辅导联合巴林特小组活动对新入职护士职业认同感的影响

王雨琴,李育玲 ..... (1676)

穴位按摩联合口腔操在复发型口腔溃疡中的应用效果观察

王金玄,金瑞华 ..... (1681)

胰岛素无针注射在2型糖尿病病人中的应用

陈海丽,程宇甫,郭晓芬,段爱旭,王静茹,马春明,邢建东  
..... (1684)

导学互动教学模式下基层医院实习护生教学方案的构建与应用

张瑞玲,韩爱荣 ..... (1687)

精细化护理在脑血管造影术后病人中的应用

修 琳,栗江霞,王建红 ..... (1690)

目次(-1-) Contents(-3-) 更正(1680)

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 personnel (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. 36 No. 9 2022

## CONTENTS

### Guideline Research

**Interpretation of "Clinical practice guidelines for a palliative approach to caring the last 12 months of life(2020 edition)" by Registered Nurses' Association of Ontario**

WANG Mei,LI Wanling,LE Xiao,WANG Jing,KONG Chan ..... (1505)

**Interpretation of "Negative pressure wound therapy with instillation : international consensus guidelines update (2019 edition)"**

WEI Min,XIA Dongyun,WU Ling ..... (1511)

### Original Articles

**Risk prediction analysis of cognitive impairment in Chinese elderly diabetic cohort**

LOU Fangli,TIAN Weiyi,SHI Guofeng,TIAN Hui ..... (1515)

**Analysis of patent intelligence situation of the elderly sports fitness from the perspective of "great health"**

HAN Shangjie,GAO Ming,YU Qi,DUAN Hui,GUO Kaiqian ..... (1523)

**Construction and validation of the depression risk prediction model in adolescents**

HOU Jialu,KANG Fengying,ZHAO Juan,CHENG Junxiang,DU Xiaomei,JIAO Yu ..... (1529)

**Effect of neuroticism on nurses' mental health and the chain mediating effect of psychological capital and perceived stress**

TIAN Miao,XIANG Shengxiao,YU Shangping,TONG Ping,HU Yali,WANG Yan ..... (1537)

**Relationship among social isolation,depression and frailty of the elderly in pension institutions**

ZHANG Yan,LIU Fang,XU Rui,YI Mengsi,GUO Jiaojiao ..... (1543)

**Best evidence summary of high flow nasal cannula therapy in patients with type II respiratory failure**

YU Lichao,MA Shasha,YANG Hang,LU Jie,XU Hongmei ..... (1547)

**Predictive analysis and enlightenment of early warning rating scale for pregnant women in the third trimester of pregnancy**

GUO Yuyu,GUO Jinli,LIU Fang,QIN Lu,ZHOU Min ..... (1556)

**Analysis on the status and influencing factors of supportive care needs of colorectal cancer survivors**

HU Caiping,LIN Yi,LI Jinping,LI Qiuping ..... (1561)

**Sinicization of Postpartum Bonding Questionnaire and its reliability and validity test**

PAN Mengxia,NIE Rong ..... (1568)

**Comparative analysis of nursing interruption in different units of emergency department**

JIA Shiqi,LIN Tao,FENG Xianqiong ..... (1573)

**Analysis of dietary pattern and its influencing factors in high risk pregnant women with gestational diabetes mellitus**

ZOU Yujiao,WEI Lili,WANG Jingyuan,LI Wen,LYU Bohan ..... (1579)

**Analysis of influencing factors and economic burden of nosocomial infection in bone tumor patients**

SONG Ming,WANG Shuhui ..... (1584)

### Review Articles

**Research progress on the application of artificial intelligence in tumor nursing**

CAO Jinmo ..... (1589)

**Application progress and challenge of nursing big data**

YAO Yao,TIAN Baowen ..... (1594)

**Research progress on frailty risk prediction models for the elderly in community**

WANG Jiao,SHANG Linping ..... (1598)

**Status quo of assessment and intervention strategies for delirium in elderly people**

LI Mei,DING Yongyan,FU Mo ..... (1601)

**Research progress on remote monitoring of patients with Parkinson's disease**

QI Zhengqing,XU Hong ..... (1607)

**Research progress on intermittent catheterization assessment tools for patients with neurogenic bladder**

XIANG Junling,CHEN Hongyu,CHEN Chun,HU Jun'e,ZHANG Gaopeng,LI Xiaoping,HU Tao ..... (1611)

**Research progress on quality of life of patients after thyroid cancer surgery**

WENG Yanling,CHEN Xiaoxia,SONG Wenjing,ZHANG Li ..... (1616)

<b>Research progress on blood return of hemodialysis therapy</b> YANG Liufen,DENG Jia,LIU Haimei,FANG Liang,LIANG Haiyan .....	(1620)
<b>Comprehensive Study</b>	
<b>Nursing theory related research based on CNKI database:a bibliometric analysis</b> ZHU Ruifang,WANG Yaping,HAN Shifan,DUAN Zhiguang .....	(1623)
<b>Application of 2D/3D image registration method based on deep learning in minimally invasive spine surgery</b> XING Zhenzhen,YAN Lixiang,ZHANG Linhua .....	(1631)
<b>Correlation analysis of psychosomatic symptoms and stress in different grades of medical graduate students</b> GUO Lili,YAN Junping,HAO Baiwang .....	(1637)
<b>Influence of early essential newborn care on pain of of perineal incision suture in puerpera and blood volume in newborn</b> LI Yue,ZOU Yun,REN Mingbao,HAN Cuicun,XIAO Shuang .....	(1641)
<b>Application of impedance cardiography monitoring in fluid management after renal transplantation</b> TIAN Hongfang,JI Hongjuan,SHI Shaohua .....	(1646)
<b>Effect of online learning combined with virtual dementia tour on dementia knowledge,attitude and confidence in caring among undergraduate nursing students</b> CHEN Haiwen,XIAO Ping,SONG Jie,JIANG Qianqian,LU Xiaohan,LIU Lin .....	(1649)
<b>Effect of comprehensive intervention based on integrated care concept on frailty in elderly patients with stable coronary heart disease</b> JIN Congcong,SHANG Linping,LI Shuhua,WANG Jiao,LIU Yuxiu,MA Jiachu .....	(1653)
<b>Application of systematic nutritional support management in patients with esophageal cancer undergoing concurrent chemoradiotherapy</b> YAN Yawei,WANG Ting,CHENG Meiling .....	(1660)
<b>Mediating effect of mental toughness between self - care ability and hope level of patients with permanent colostomy</b> JI Junxia,YAO Cui .....	(1665)
<b>Application of Satir model intervention in family caregivers of patients with esophageal cancer</b> WEN Xiaomeng,CAI Ping,CHU Jianghui,SU Hui,TONG Taishan,GU Danfeng .....	(1671)
<b>Effect of group psychological counseling and Balint group on the professional identity of new nurses</b> WANG Yuqin,LI Yuling .....	(1676)
<b>Effect observation of acupoint massage combined with oral exercise on recurrent oral ulcer</b> WANG Jinxuan,JIN Ruihua .....	(1681)
<b>Application of needle-free insulin injection in patients with type 2 diabetes mellitus</b> CHEN Haili,CHENG Yufu,GUO Xiaofen,DUAN Aixu,WANG Jingru,MA Chunming,XING Jiandong .....	(1684)
<b>Research on the construction and application of teaching program for nursing students in primary hospitals based on BOPPPS</b> ZHANG Ruiling,HAN Airong .....	(1687)
<b>Application of fine nursing in patients after cerebral angiography</b> XIU Lin,LI Jiangxia,WANG Jianhong .....	(1690)

---

## CHINESE NURSING RESEARCH

(Semimonthly)

Vol. 36 No. 9 2022

### General Editors

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.hlyjzz.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 10 May, 2022

---