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Meticulous nursing combined with humanistic care

Submission date
30/07/2024

Recruitment status
No longer recruiting

Registration date
05/08/2024

Overall study status
Completed

Last Edited
02/08/2024

Condition category
Infections and Infestations

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[_] Results
[_] Individual participant data
[_] Record updated in last year

Plain English summary of protocol
Background and study aims
Pulmonary (chest/lung) infections can have a significant psychological impact on patients, leading to increased stress, anxiety and depression. Effective nursing interventions are of great significance during clinical treatment. The concept of humanistic care refers to a novel nursing approach that emphasizes the importance of patient-centered and individualized care, with the overall goal of providing comfortable nursing. Meanwhile, meticulous nursing has been widely applied in various clinical departments and has achieved satisfactory clinical outcomes. This study is designed to explore the combined effects of these two nursing models on disease-perceived stress and self-management efficacy in patients with pulmonary infections.

Who can participate?
Patients with pulmonary infection. The observation group: 15 males and 22 females, aged 20-91 years, with a body mass index (BMI) of 16.02 to 37.79 kg/m2. The control group: 15 males and 22 females, aged 20-85 years, with a BMI of 16.22 to 33.30 kg/m2.

What does the study involve?
The control group was given nursing measures based on the concept of humanistic care, and the observation group received meticulous nursing in addition to the measures provided to the control group.

What are the possible benefits and risks of participating?
The application of meticulous nursing combined with humanistic care in patients with pulmonary infections can improve patients' disease perception and enhance their psychological state, alleviating their disease-perceived stress and improving their self-management efficacy.

Where is the study run from?
The First Affiliated Hospital of Anhui University of Science and Technology (China)

When is the study starting and how long is it expected to run for?
February 2023 to May 2024

Who is funding the study?
Huainan City Science and Technology Plan Project (China)

Who is the main contact?
Rong Xiangxia, Rrxiangxia@163.com

Contact information

Type(s)
Public, Scientific, Principal investigator

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Study information

Scientific Title
Effect of meticulous nursing combined with humanistic care on disease perceived stress and self-management efficacy in patients with pulmonary infection: a randomized controlled trial

Acronym
BD

Study objectives
This study is designed to explore the combined effects of these two nursing models on disease-perceived stress and self-management efficacy in patients with pulmonary infections.

Ethics approval required
Ethics approval required

Ethics approval(s)
Approved 12/11/2023, The ethics committee of the First Affiliated Hospital of Anhui University of Science and Technology (No.203 Huaibin Road, Tianjia'an District, Huainan City, 232000, China; +86 (0)554 3320335; xiaolixx88@hotmail.com), ref: 2023-KY-T009-001

Primary study design
Interventional

Study design
Single-center randomized controlled intervention trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Nursing care of patients with pulmonary infections

Interventions
74 patients with pulmonary infection admitted to the hospital from March 2023 to February 2024 were randomly divided into the observation group (n = 37) and the control group (n = 37) using the randomized numeric table method. Specifically, the control group was given nursing measures based on the concept of humanistic care, and the observation group received meticulous nursing in addition to the measures provided to the control group.

The duration of the intervention: from when the patient was admitted to the hospital until the day of discharge.

Intervention Type
Behavioural

Primary outcome(s)
1. Disease-perceived stress measured using the Chinese Illness Perception Questionnaire-Revised (CIPQ-R) pre- and post-intervention (on the day of discharge)
2. Self-management efficacy measured using the Exercise of Self-Care Agency Scale (ESCA) pre- and post-intervention
3. Psychological status measured using the Hospital Anxiety and Depressing Scale (HADS) pre- and post-intervention
4. Nursing satisfaction measured using the Nursing Satisfaction Scale on the day of discharge of the patient

Key secondary outcome(s)
There are no secondary outcome measures

Completion date
01/05/2024

Eligibility

Key inclusion criteria
1. Patients who met the relevant clinical criteria and were diagnosed with pulmonary infection by laboratory, imaging, and other examination results
2. Patients with normal mental status or sanity and good communication ability
3. Patients who had a detailed understanding of the study content and voluntarily signed the informed consent form

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
20 Years

Upper age limit
91 Years

Sex
All

Total final enrolment
74

Key exclusion criteria
1. Patients with recent hormone use or long-term hormone use
2. Patients with combined immunodeficiency disease
3. Patients with recent immunosuppression-related treatment
4. Patients with combined infections in other sites
5. Patients with combined tumor disease

Date of first enrolment
01/03/2023

Date of final enrolment
29/02/2024

Locations

Countries of recruitment
China

Study participating centre
The First Affiliated Hospital of Anhui University of Science and Technology
No.203 Huaibin Road
Tianjia'an District
Huainan City
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232000

Sponsor information

Organisation
Huainan Science and Technology Bureau

Funder(s)

Funder type
Government

Funder Name
Huainan City Science and Technology Plan Project (Research on the Establishment and Application of Continuing Care Plan for Elderly Chronic Disease Patients Based on Discharge Preparedness and IKAP Theory)

Results and Publications

Individual participant data (IPD) sharing plan
The datasets generated during and analysed during the current study will be available upon request from Rong Xiangxia (Rrxiangxia@163.com)

IPD sharing plan summary
Available on request