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Evidence-based practice of cancer-related fatigue management

Submission date
11/11/2016

Recruitment status
No longer recruiting

Registration date
23/11/2016

Overall study status
Completed

Last Edited
22/11/2016

Condition category
Signs and Symptoms

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

Plain English summary of protocol

Background and study aims
Fatigue (extreme tiredness) is one of the most common side effects in cancer patients. Not only does the disease itself cause symptoms of fatigue, but the aggressive treatments such as chemotherapy and radiotherapy can make them particularly wsevere. Cancer-related fatigue (CRF) is extremely common but not routinely screened for, assessed, or treated during the symptom management of cancer patients. Currently, a growing and persuasive body of evidence on CRF is accumulating. This study is about how to integrate the evidence into the CRF routine care and eventually improve the CRF nursing quality. The aim of this study is to investigate the effectiveness of an evidence-based nursing practice model of cancer-related fatigue (CRF) management in hospitalized adult patients, using the Promoting Action on Research Implementation in Health Services (PARIHS) framework.

Who can participate?
Nurses working in cancer units of the university-affiliated adult hospital in Suzhou between May to September 2015 and patients admitted to those units who have cancer related fatigue.

What does the study involve?
Nurses undergo training in the cancer-related fatigue (CRF) management programme as part of standard practice. This involves learning how to implement the strategy with patients. At the start of the study and then after the programme has been implemented, nurses complete a range of questionnaires designed to measure their knowledge, attitudes and behaviors regarding CRF. In additions, patients being treated on the wards also complete a number of questionnaires designed to measure their CRF self-management ability.

What are the possible benefits and risks of participating?
There are no direct benefits or risks involved with participating in this study.

Where is the study run from?
First Affiliated Hospital of Soochow University (China)

When is the study starting and how long is it expected to run for?
February 2014 to September 2015

Who is funding the study?
Suzhou Science and Technology Development Project (China)

Who is the main contact?
Dr Li Tian

Contact information

Type(s)
Scientific

Contact name
Dr Li Tian

Contact details
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Additional identifiers

Protocol serial number
N/A

Study information

Scientific Title
Implementation of evidence into practice for cancer-related fatigue management of hospitalized adult patients using the PARIHS framework

Study objectives
The aim of this study is to explore an evidence-based nursing practice model of cancer-related fatigue (CRF) management in hospitalized adult patients, using the Promoting Action on Research Implementation in Health Services (PARIHS) evidence-implementation framework as the theoretical structure, to provide guidance for similar nursing practices.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Medical ethics committee, First Affiliated Hospital of Soochow University, 25/03/2014, ref: 2014-147

Study design
Observational cohort study

Primary study design
Observational

Study type(s)
Other

Health condition(s) or problem(s) studied
Cancer-related fatigue (CRF)

Interventions
Nurses undergo training on the evidence and procedure to be implemented as part of standard practice. This involves concept of evidence-based nursing; the necessity for CRF EBN practice implementation; the content, source, quality, and strength of the evidence recommendations; the related practice procedures to be implemented; the assessment tools to be used; and the quality review standards of CRF nursing practice.

At baseline and after the implementation at the admission of the next treatment cycle that following the implementation , patients complete a number of questionnaires designed to measure their CRF self-management ability and the changes in CRF scaling. In addition, nurses also complete questionnaires designed to measure their knowledge, attitudes and behaviors regarding CRF.

Intervention Type

Primary outcome(s)
1. Nurses' experiences and insights are collected using the in-depth individual face-to-face semi-structured interviews at the end of the implementation in September 2015
2. Nurses' knowledge, attitudes and behaviors regarding CRF (NKAB-F) are measured using a survey designed for the purpose of this study at baseline and at the end of the end of the implementation
3. Patients' CRF self-management ability is measured using the CRF self-management scale and self-efficacy questionnaire for CRF management (SQFM) at baseline and at the admission of the next treatment cycle that following the implementation
4. Patients' CRF scores are evaluated daily by the nurses during their hospitalization using 0-10 scale. After the discharge, patients assess the CRF scores themselves daily and are required to record it in their CRF diaries

Key secondary outcome(s))
Research setting's nursing standards, regulations and procedures are collected using interviews at baseline and at the end of the implementation.

Completion date
30/09/2015

Eligibility

Key inclusion criteria

Nurses:
1. Working in the departments of medical oncology and radiotherapy of a university-affiliated adult hospital in Suzhou between May to September 2015
2. Willing to participate

Patients:
1. Admitted to the departments of medical oncology and radiotherapy of a university-affiliated adult hospital in Suzhou from May to September 2015
2. Diagnosed as having cancer related fatigue
3. Willing to participate

Participant type(s)
Mixed

Healthy volunteers allowed
No

Age group
Adult

Sex
All

Key exclusion criteria
Refusal to participate.

Date of first enrolment
10/07/2015

Date of final enrolment
10/08/2015

Locations

Countries of recruitment
China

Study participating centre
First Affiliated Hospital of Soochow University
No.188 Shizi Street
Suzhou
China
215006

Sponsor information

Organisation
Nursing School, Fudan University

ROR
https://ror.org/013q1eq08

Funder(s)

Funder type
Other

Funder Name
Suzhou Science and Technology Development Project

Results and Publications

Individual participant data (IPD) sharing plan
The datasets generated during and/or analysed during the current study are/will be available upon request from sdfyytl@163.com

IPD sharing plan summary
Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes