Prediction of occupational stress in Japanese novice nurses

Submission date 06/12/2016	**Recruitment status** No longer recruiting	[ ] Prospectively registered
		[ ] Protocol
Registration date 07/12/2016	**Overall study status** Completed	[ ] Statistical analysis plan
		[X] Results
Last Edited 29/11/2017	**Condition category** Mental and Behavioural Disorders	[ ] Individual participant data

Plain English summary of protocol

Background and study aims

Job-related stress (occupational stress) is a key cause of employee resignations, and so the early identification of individuals prone to such stress is important. This study will look at novice nurses working in a Japanese hospital, in order to try to evaluate potential predictors of susceptibility to occupational stress in Japanese novice nurses. The aim of this study is to look at possible predictors of job-realted stress in novice nurses in Japan.

Who can participate?

New female employees at Kagoshima University Hospital.

What does the study involve?

At the time of job entry, participants undergo a physical examination and provide a urine sample. In addition, they complete a number of questionnaires to measure their job-related stress and general mental health. Five months later, participants complete the same measures to find out if there has been any change.

What are the possible benefits and risks of participating?

There are no direct benefits or risks involved with participating.

Where is the study run from?

Kagoshima University Hospital (Japan)

When is the study starting and how long is it expected to run for?

November 2014 to October 2015

Who is funding the study?

Kagoshima University (Japan)

Who is the main contact?

Professor Masahisa Horiuchi

Contact information

Type(s)
Public

Contact name
Prof Masahisa Horiuchi

Contact details
Kagoshima University
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Kagoshima
Japan
890-8544

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
No

Study information

Scientific Title
Potential predictors of susceptibility to occupational stress in Japanese novice nurses - A pilot study

Study objectives
The aim of this study is to find the predictors for susceptibility to occupational stress in Japanese novice nurses.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Institutional Review Committee of Kagoshima University Hospital, 06/01/2015, ref: 26-161

Study design
Single-centre observational cohort study

Primary study design
Observational

Secondary study design
Cohort study

Study setting(s)
Other

Study type(s)
Screening

Participant information sheet
Not available in web format, please use the contact details below to request a patient information sheet

Health condition(s) or problem(s) studied
Mental health conditions

Interventions
Participants undergo physical health examinations, provide a urine sample which is tested for ion concentrations (e.g. Na, K, P, Mg, Ca and Cl), and complete a lifestyle questionnaire at the time of job entry. Participants also complete a Brief Job Stress Questionnaire (BJSQ), related to mental health status, at job entry and 5 months post-entry. Psychological stress, somatic symptoms, and combined BJSQ scores are also measured at job entry and 5 months post-entry.

Intervention Type

Primary outcome measure
Degree of occupational stress is measured using the Brief Job Stress Questionnaire (BJSQ) at job entry and 5 months post-entry.

Secondary outcome measures
No secondary outcome measures

Overall study start date
28/11/2014

Completion date
31/10/2015

Eligibility

Key inclusion criteria
1. New employee in a University Hospital
2. Female

Participant type(s)
Health professional

Age group
Adult

Sex
Female

Target number of participants

62

Key exclusion criteria

Not answering the questionnaire

Date of first enrolment

01/04/2015

Date of final enrolment

31/10/2015

Locations

Countries of recruitment

Japan

Study participating centre
Kagoshima University Hospital

Kagoshima Prefecture
Kagoshima
Japan
8908544

Sponsor information

Organisation

Kagoshima University

Sponsor details

8-35-1 Sakuragaoka
Kagoshima
Japan
890-8544

Sponsor type

University/education

ROR

https://ror.org/03ss88z23

Funder(s)

Funder type
University/education

Funder Name
Kagoshima University

Alternative Name(s)
, Kagoshima Daigaku

Funding Body Type
Private sector organisation

Funding Body Subtype
Universities (academic only)

Location
Japan

Results and Publications

Publication and dissemination plan
Planned publication in a high-impact peer reviewed journal.

Intention to publish date
31/12/2017

Individual participant data (IPD) sharing plan
The datasets generated during and/or analysed during the current study are/will be available upon request from masakuni@m.kufm.kagoshima-u.ac.jp

IPD sharing plan summary
Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	04/04/2017		Yes	No