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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

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Additional identifiers

Protocol serial number

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

Study type(s)

Screening

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

Key secondary outcome(s))
No secondary outcome measures

Completion date
31/10/2015

Eligibility

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

Participant type(s)
Health professional

Healthy volunteers allowed
No

Age group
Adult

Sex
Female

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

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

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