

# Prediction of occupational stress in Japanese novice nurses

<b>Submission date</b> 06/12/2016	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 07/12/2016	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
<b>Last Edited</b> 29/11/2017	<b>Condition category</b> Mental and Behavioural Disorders	<input type="checkbox"/> 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-related 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  
8-35-1 Sakuragaoka  
Kagoshima  
Japan  
890-8544

## 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](mailto: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?
<a href="#">Results article</a>	results	04/04/2017		Yes	No
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes