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A randomised control trial to evaluate the Mindful Practice program for reducing burnout and stress of healthcare workers

Submission date
11/03/2018

Recruitment status
No longer recruiting

Registration date
19/04/2018

Overall study status
Completed

Last Edited
04/04/2018

Condition category
Mental and Behavioural Disorders

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

Plain English summary of protocol

Background and study aims
Doctors and nurses report having high burnout. It can not only damage their own well-being, but also quality of patient care and teamwork in providing the healthcare services. A recent study confirmed that a mindfulness-based intervention program developed in the United States, called Mindful Practice (MP), was useful to reduce burnout of healthcare workers in Hong Kong (HK). This lead to a localized MP program being developed in Chinese.
This study aims to examine the effectiveness of the Chinese MP program to reduce burnout, perceived stress and number of sick leave days, improve job engagement, quality of life, well-being and interpersonal communication skills of healthcare workers in Hong Kong.

Who can participate?
Adult hospital staff experiencing burnout or perceived stress

What does the study involve?
Participants are randomly allocated to one of two groups. Those in the first group receive an eight week Mindful Practice program, with a total of 27 contact hours. Participants are also encouraged to complete home-based mindful exercise or stretching each day as well as apply mindfulness at work. Participants are assessed using different inventories and scales before and after the program and after three months.
Those in the second group are invited to undertake the program after the first group have finished follow up.

What are the possible benefits and risks of participating?
Participants may benefit from a reduction in burnout and perceived stress, improving quality of life. There are no direct risks for participants.

Where is the study run from?
Oasis- Center for Personal Growth and Crisis Intervention (Hong Kong)

When is the study starting and how long is it expected to run for?
January 2014 – August 2017

Who is funding the study?
Oasis - Center for Personal Growth and Crisis Intervention (Hong Kong)

Who is the main contact?
Ms Wacy Wai Sze Lui (Scientific)

Contact information

Type(s)
Scientific

Contact name
Ms Wacy Wai Sze Lui

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
MP210

Study information

Scientific Title
RCT on Mindful Practice to alleviate burnout and perceived stress of health care workers

Study objectives
Mindful practice (MP) can alleviate burnout and perceived stress. It can also improve job engagement, quality of life, wellbeing, interpersonal communication and number of sick leave days.

Ethics approval required
Old ethics approval format

Ethics approval(s)

Hospital Authority Hong Kong Kowloon East/Kowloon Central Cluster Research Ethics Committee, 25/08/2014, ref: LC/KE-14-0-0160/ER-2

Study design
Randomised single centre waitlist controlled trial

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Hospital

Study type(s)
Treatment

Participant information sheet
Not available in web format

Health condition(s) or problem(s) studied
Burnout and perceived stress

Interventions
All enrolled participants are invited to fill in the screening tools on burnout and perceived stress to assess their eligibility for the program. Those with burnout or perceived stress are then randomly assigned to the experimental and control groups, using the computer-generated procedures. Participants are informed of the assignment by the executive assistant and they are blinded of the research hypothesis.

All participants (both experimental and control groups) attend briefing sessions. Then, the participants of the experimental groups first join the 8-week manual Mindful Practice (MP) intervention (total 27 contact hours). Apart from the class-based learning, participants of the experimental groups are invited to do home practice during the program, which involves around 1 hour of formal mindful exercise or stretching per day, as well as application of mindfulness at work.
Participants in the control group do not undertake this program during this time, but upon completion of 3-month follow-up, participants in the waitlist control groups are also invited to join the MP program.

Intervention Type
Behavioural

Primary outcome measure
Burnout (emotional exhaustion, depersonalization, and personal accomplishment) is measured using the Chinese Maslach Burnout Inventory pre-intervention, post-intervention and at 3 month follow up.

Secondary outcome measures

1. Stress is measured using the Perceived Stress Scale
2. Work engagement is measured using the Utrecht Work Engagement Scale (UWES)
3. Health status is assessed using the Short term Health Survey (SF-12)
4. Current mental wellbeing is assessed using the World Health Organization Well-being Index
5. Communication competency is measured using the Interpersonal Communication Assessment Scale (ICAS)
All outcomes are assessed pre-intervention, post-intervention and at 3 month follow up.

Overall study start date
01/01/2014

Completion date
01/08/2017

Eligibility

Key inclusion criteria
1. Existing staff of Hospital Authority
2. Aged 18-65 years
3. Report having burnout or perceived stress
4. Committed to attend all MP classes and have mindful practice an hour a day between classes
5. No previous mindfulness experience

Participant type(s)
Health professional

Age group
Adult

Lower age limit
18 Years

Upper age limit
65 Years

Sex
Both

Target number of participants
114

Key exclusion criteria
1. No burnout or perceived stress
2. Not able to attend both treatment and control groups for randomization
3. Currently havepsychosis, substance abuse, active suicidal ideation and plan
4. Receiving any active psychological and psychiatric treatment

Date of first enrolment
01/09/2014

Date of final enrolment
01/01/2017

Locations

Countries of recruitment
Hong Kong

Study participating centre
Oasis Center for Personal Growth and Crisis Intervention
Hospital Authority Hong Kong
Hong Kong
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Sponsor information

Organisation
Oasis - Center for Personal Growth and Crisis Intervention

Sponsor details
Oasis 1/F Centre for Heath Protection
Hospital Authority Hong Kong
Hong Kong
Hong Kong
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Sponsor type
Hospital/treatment centre

Funder(s)

Funder type
Hospital/treatment centre

Funder Name
Oasis - Center for Personal Growth and Crisis Intervention

Results and Publications

Publication and dissemination plan

Planned publication in a high-impact peer reviewed journal.

Intention to publish date
01/10/2018

Individual participant data (IPD) sharing plan
The data sharing plans for the current study are unknown and will be made available at a later date

IPD sharing plan summary
Data sharing statement to be made available at a later date