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Mindfulness-Based Intervention for Nurses: A Systematic Review and Meta-Analysis

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Introduction
Nurses are the largest group in the health care system who experience extreme stress and burnout in the hospital with multiple factors which negatively impact nurses. However, mindfulness-based interventions can possibly be one of the possible solutions that can improve stress relief, reduce anxiety, improve coping, improve self-care, reduce symptoms of depression and reduce burnout.

Method
The reviewed articles were coded based on specific characteristics of study and the overall inclusion criteria used are mindfulness intervention, varied outcomes, and hospital nurses. On the other hand, the exclusion criteria is composed of abstract only, non-English language, no mindfulness intervention in the program provided by the study, qualitative design studies, and studies mixed with other health care professionals except for studies that almost 90% of the participants are staff nurses. The search was conducted on April 2018 by using PsychInfo, Francis & Taylor, JSTOR, Cochrane Central, Pubmed, EMBASE, EBSCOHOST, Elsevier, Wiley Online Library, Springer, Semantic Scholar, Google scholar, Gale Cengage Learning, DOAJ, NCBI, Proquest, Clinical Key, and Science Direct. The bibliographic search and reference list of various articles were used to locate for other related articles, unpublished dissertation, and thesis papers. The reviewed articles have been explored and assessed the effects based on specific characteristics of study which were included for the research synthesis and meta-analysis of different outcome measures using the Comprehensive Meta-analysis (CMA). Random-effects model was used and bias was analyzed.

Results and Discussion
The variation of twenty (20) studies evaluated was heterogeneous because of different study designs, mix of interventions with mindfulness, low number of samples included in each study, and different effects observed. Indeed, the review and analysis was a good evidence which provides rigorous background and present a current trend in utilizing mindfulness as a way of helping nurses cope with stress, burn-out, and improve well-being as a whole.

Conclusion
Overall, the reviewed studies garnered a small effect as the results were statistically varied and the level of effects are spurious in most of the studies. Nonetheless, empowering professional nurses through mindfulness will better equip them to act with more awareness and attention.

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References:
Beins, B. C. (2012). APA styles simplified: Writing in psychology, education, nursing, and sociology. Chichester, West Sussex: John Wiley & Sons Ltd.


Abstract Summary:
The review aimed to synthesize and evaluate the effects of mindfulness-based interventions on different outcomes because there are few studies that translate knowledge on mindfulness practice for staff nurses.

Content Outline:
Introduction
A. Nurses
B. Mindfulness-based interventions
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C. Coding Process
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B. Random-Effects Model
Conclusion
A. Spurious Effects
B. Empowering Professional Nurses
Primary Presenting Author

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Author Summary: The presenter is deeply interested with the implementation of programs useful in various health care setting in the Philippines. He is completing his PhD in Nursing at Saint Louis University and working as a staff nurse and member of the Research Ethics Committee in Baguio General Hospital and Medical center.