Mindful- Acupressure Massage: An Evidence-Based Project to Promote Relaxation in Nurses

Precy DSouza, DNP, MSN, CPAN, PCCN, BSN, RN

Virtua Hospital, Voorhees, New Jersey



BACKGROUND

Burnout

- Is an Occupational syndrome caused by chronic workplace stress and a public health crisis.
- Increases medical errors
- Decreases clinician effectiveness
- Decreases patient satisfaction
- ➤ Burnout-related nurse attrition:\$4.4 million \$6.9 million.
- ➤ Nurses experience -11 times more depressive symptoms.
 - --2 times more Suicidal thoughts
- For every \$1 invested in wellness, Return On Investment: \$3 -
- Need for evidence-based integrative modalities for stress relief
- > Acupressure, mindful breathing, with guided imagery are Evidence-based adjuncts that elicit a quick relaxation response

PURPOSE

To evaluate the effect of a 30-minute mindful acupressure massage on nurses' energy, stress, and relaxation levels

METHODS

Setting: Virtua Lippincott, Voorhees, and Marlton Participants: Health care providers (HCP) (n=16), **Intervention:** 30-minute mindful acupressure massage with box breathing and guided imagery

MEASURES

- A pre-and post-self-reported survey questionnaire to measure stress, energy, and relaxation levels
- Qualitative feedback to the 30-minute intervention.

PROCESS OBJECTIVES:

16 HCP will

- Be educated on boxed breathing
- Receive the acupressure massage with guided imagery of choice.
- Complete the pre- and post-survey questionnaire.

OUTCOME OBJECTIVES:

At the end of the 30 minutes

- The nurses can demonstrate mindful boxed breathing techniques for relaxation response
- The nurses can feel the relaxation response elicited by the acupressure massage.
- Qualitative feedback from nurses.

Figure.1 **Box Breathing**



Figure.2 **Acupressure Technique**

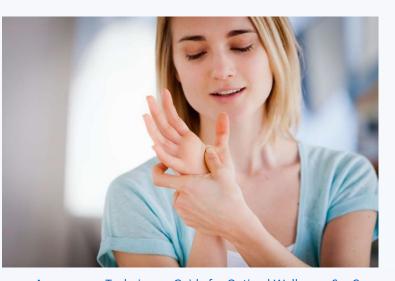


Table 1. Mindful Acupressure Massage Questionnaire

On a scale of 1-5, 1 being very low and 5 being very high please rate your energy, stress, and relaxation level before the wellness activity and after the wellness

1-very low, 2-low, 3-medium, 4-high, 5-very high

Level		1	2	3	4	5
Energy	Pre-activity					
	Post-activity					
Stress	Pre-activity					
	Post-activity					
Relaxation	Pre-activity					
	Post-activity					
Comments/Feedback						

RESULTS

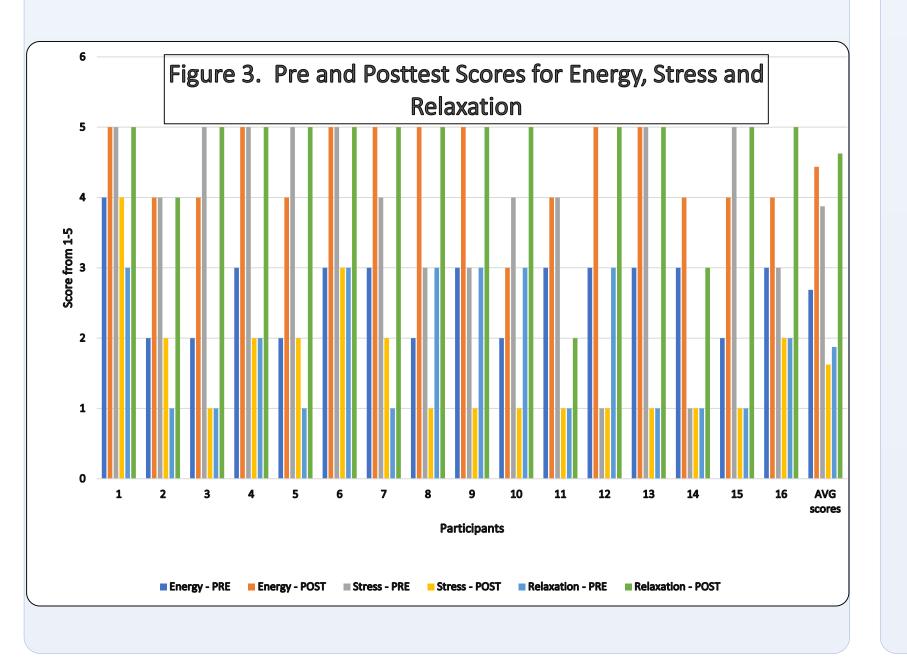


Table 2. Wilcoxon Signed Rank Difference in Pre and Posttest Scores



- The Wilcoxon signed rank test measured the difference in stress, energy, and relaxation levels pre-and post-intervention
- H0: No difference in pre and post-test
- H1: Difference in Pre and Post-test
- Critical value =30, two-tailed, α =0.05
- Test statistic(t) for energy=0
- Test statistic(t) for stress=2
- Test statistic (t)for relaxation=0

H0 rejected as t < Critical value

Qualitative feedback: Mindful Acupressure massage with guided imagery

Stress relief

- Calming effect
- Energized

provided

Sight decrease in pain and muscle soreness post-intervention

DISCUSSION

Mindful acupressure massage effectively decreases stress, increasing energy and relaxation response.

CONCLUSION

A 30-minute mindful acupressure massage with guided imagery is an acceptable adjunct in decreasing stress and enhancing the relaxation response.

IMPLICATIONS FOR PRACTICE

Self-acupressure, mindful breathing, and guided imagery can be used as self-care tools to relieve stress and promote relaxation. Wellness activities using integrative modalities are cost-effective. Wellness activities can be tailored to the organizational needs to improve employee engagement and reduce burnout.

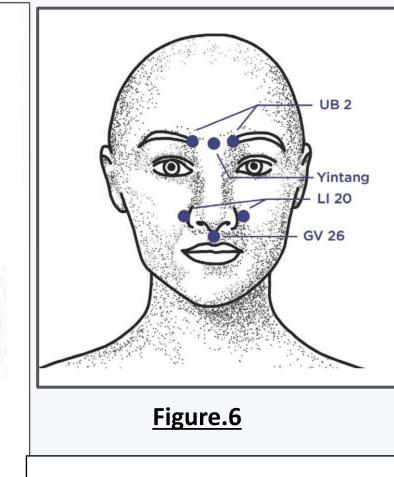
Figure. 4

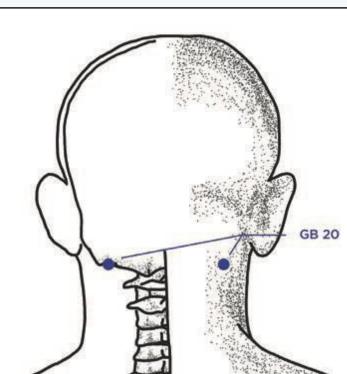
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Figure. 5





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Acknowledgments

Thank you to the Virtua Leadership, Healthy Work Environment Committee, Virtua Nursing colleagues, and Sue Politsky