EFFECTS OF THERAPEUTIC MASSAGE ON THE QUALITY OF LIFE AMONG PATIENTS WITH BREAST CANCER DURING TREATMENT

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- One of the earliest practiced remedies known to mankind
- Most natural instinctive way to relieve pain Ancient civilizations utilized massage for pain relief and to improve a sense of well-being



- Describe three positive physical and emotional benefits of therapeutic massage
- Define the researchers' measures for quality of life (QOL)
- 3. Identify the relationship between quality of life and therapeutic massage

The impact of anxiety & stress on

- biological responses of an individual to adverse stimuli
- Stress disrupts normal body states
- States

 Stressful stimuli can be physical,
 mental or emotional
 Breast cancer survivors have elevated levels of basal several years after completing treatment
- Lower cortisol concentrations are associated with better quality of social support

Significance

- An estimate of 62,030 in situ and 178,480 invasive new breast cancer cases were estimated to occur in the United States in 2007 One third of all new cancer diagnosis for women consist of breast cancer.
- Breast Cancer:

 Mortality

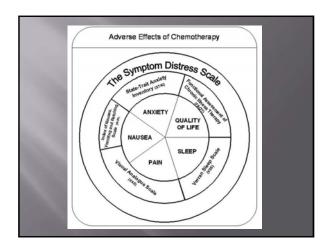
 Morbidity

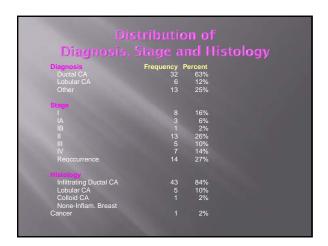
 Costs of treatment

 Costs to quality of life



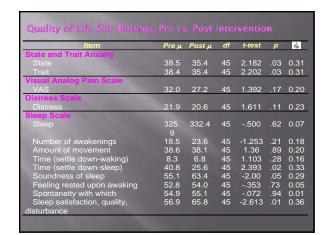
- Purpose: Assess the impact of therapeutic massage on the QOL of patients treated for breast
- Prospective, convenience sample, pre-post assessment design
- Participants: 51 female breast cancer patients referred by their medical oncologist who live in South Central Kansas
- Study duration was 21 months
- Outcomes were assessed using dependent t-tests in SPSS version 15.0.





Intervention

- Pre massage therapy evaluation
- Massage therapy for 30 minutes, once per week for three sequential weeks.
- Measures collected at baseline (prior to cancer treatment) and one week after last treatment
- Instruments selected for this study were used in previous massage therapy studies to measure QOL/health status and have documented validity and reliability



Participant Demographics

- Predominantly white (84.3%) and married (60%)
- Mean age was 53 years (range 27 to 79 yrs)
- Majority reported some college or college degree (39.0%)
- Majority employed full-time (45%)
- Approximately 2/3 reported household income above the median for the Wichita MSA (\$43,802)



Limitations



- Sample Size
- Chemo Brain
- Self report Recall Bias
- Generalizability

Conclusion

- Women being treated for breast cancer had a reduction in state and trait anxiety after three weeks of massage therapy
- Pain and Distress reduced
- Functionality improved
- Aspects of Sleep Quality improved
- Future research should include use of immunological markers, increased frequency, longer duration and long-term massage therapy

For more information

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