

The Effectiveness of an Among University Students Anxiety Intervention on Decreasing State and Trait Anxiety



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Introduction

undergraduate students. reducing state and trait anxiety rates among (HGP) immediate and long-term effectiveness in anxiety intervention called Hammer, Glasses, Pillow's to reduce rising rates of anxiety. This study measures an Higher education institutions are seeking proactive ways

Methods

Participants

experimental or control group. were male, with fairly equal samples in each Out of the 18 participants 61% were female and 39% group they were assigned, for a completion rate of 7%. of the 253, 18 completed the post-post STAI test for the southern Christian university. 253/351 participated. Out A sample of 351 first-year students were selected from a

Instruments

higher anxiety levels. "Not at All" to "Very Much So". Higher scores indicate Anxiety). Items are rated on a 4-point Likert scale from items measuring how participants generally feel (Trait right now (State Anxiety) and form Y-2 consists of 20 consists of 20 items measuring how participants feel state anxiety (Spielberger et al., 1983). Form Y-1 40-item inventory commonly used to assess trait and The State-Trait Anxiety Inventory (STAI) is a two part

the incoming first-year students. reduction and self-care presented at Fall Orientation to video presentations focused on anxiety symptom This intervention utilized two proctored 15 or 45 minute

Procedure - Cont.

The students were randomly assigned into one of three

- Group 1 HGP and psychoeducation about the neurobiology of anxiety (45 min)
- Group 2 HGP only (15 min)
- Control Group no intervention

survey, post-intervention survey, and a 90 day delayed times of the other groups. survey at the time of the pre-test and post-post testing post-post survey. The Control Group completed the Both Groups 1 & 2 were administered a digital pre-

Results

- 1. A oneway ANOVA found no significant differences (F(2,15) = 3.12, p = 0.07) or Trait Anxiety (F(2,15) =between the 3 groups on the pre-test for State Anxiety 1.23. p = 0.32).
- Repeated measures ANOVAs found no significant difference between the three conditions (pretest, posttest and post-post test) on:
- State Anxiety for Group 1 (F(2, 6) = 37.00, p = 0.51).

- a) State Anxiety for Group 1 (F(2, 6) = 37.00, p = 0.51)
 b) State Anxiety for Group 2 (F(2, 8) = 20.07, p = 0.82)
 c) Trait Anxiety for Group 1 (F(2, 6) = 69.25, p = 0.14)
 d) Trait Anxiety for Group 2 (F(2, 8) = 45.07, p = 0.51)
 3. A oneway ANOVA did find a significant difference
- who had been exposed to the intervention (both Group for State Anxiety between the control group and those 1 & 2) on the post-post tests (F(2,15) = 4.06, p =

Anxiety scores for both Group 1 (M=37.75 SD=6.40) and Group 2 (M=40.80 SD 17.11), and the Control Group indicated a significant difference between the State (M=57.67 SD=13.72) (p=0.03 & p=0.04, respectively). Fisher's Least Significant Difference (LSD) post hoc

Discussion

- 1. No differences were found on anxiety between the 3 experiencing similar levels of anxiety. groups initially suggesting that the participants were
- Neither intervention conditions were found to suggest: influence their respective groups, which may
- a) the psychoeducation on anxiety or ways to manage anxiety used in this study do not lower anxiety, or
- that if these interventions do lower anxiety, the number of participants. difference was not able to be detected due to the low
- 3. The control group reported higher levels of anxiety than did both intervention groups for state anxiety at the time of the 90 day delay.
- a) This result may suggest the intervention provided coping skills to Group 1 and Group 2 to use during a stressful period (ex. finals week).

small n. situations. This is particularly noteworthy due to such a their State Anxiety when confronted with stressful greater external stressors. This suggests the intervention may provide coping skills that help participants maintain prevent their anxiety from rising when they experienced did not lower the students' state anxiety, it did help In conclusion, it's possible that while the intervention

Limitations

extremely high attrition rate resulting in a completion work to eliminate factors contributing to attrition. differences. In future studies, this researcher should rate of 7%. Such a small *n* left little room for detecting The biggest limitation for this research was the