

Effect of visualization technique in reducing anxiety level of soccer male players in competition situations

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Abstract

The study determined effects of Visualization technique on reducing anxiety levels of male soccer players. The subjects were 50 male players (N=50). The sampled subjects were randomly assigned into two groups experimental group (N=25) and control group (N=25). We applied experimental method with pre-post tests and control group. Subjects in the experimental (visualization technique) group received extra 20 minutes imagery training program 3 times a week for four weeks along with their regular training program. Control group was engaged in their regular activity for four weeks. ANCOVA was used to analyze the data collected. Results showed significant difference in the reducing anxiety levels between experimental and control groups. Based on the findings it was concluded that visualization technique are an effective tools for psychological preparation of athletes. Based on the result of this study it is recommended among other things that coaches, physical education teachers, athletic trainers and sport psychologists should use visualization technique to enhance efficient performance by players.

Keywords: visualization technique, anxiety.

Introduction

Mental imagery and self-talk strategies are implemented by athletes in order to regulate arousal, reduce maladaptive behaviours, reconstruct negative thoughts, and to increase one's concentration and focus. In sport, mental imagery is used primarily to help the athlete get the best out of him / her training and in competition. They use it daily as a means of directing what will happen in training and as a way of pre experiencing their best competition performances. Orlick (1990) explained that mental imagery often starts out simply, as you think through your goals, your moves, and your desired competitive performances. Athletes commonly use imagery to psych up or clam down to meet the energy demands of a particular sport, as well as to visualize aspects of the upcoming competition to sharpen the focus they need to be successful, Suinn (1980).

Visualization

Visualization has also been called guided imagery, mental rehearsal, mediation, and a variety of other things -- no matter the term, the basic techniques and concepts are the same. Generally speaking, visualization is the process of creating a mental image or intention of what you want to happen or feel in reality. An athlete can use this technique to 'intend' an outcome of a race or training session, or simply to rest in a relaxed feeling of calm and well-being. By imagining a scene, complete with images of a previous best performance or a future desired outcome, the athlete is instructed to simply 'step into' that feeling. While imagining these scenarios, the athlete should try to imagine the detail and the way it feels to perform in the desired way.

Purpose of the Study

The purpose of the study was the effect of visualization technique on reducing the anxiety level of male soccer players in competition situation.

Method

The design for this study was pre-test post-test control group design. The statistical population was all male soccer players total no of players were 50 (N=50). The participants were randomly assigned into two groups. Group 1 experimental group (N=25) and group 2 control group (N=25). To measure the anxiety level of players were used Martens *et al.* 1990 Sport Competition Anxiety Test (SCAT) questionnaire. The players were responds to the 15 questions on the questionnaire. Both the group were (experimental & control group) regularly received their daily training program but along with that the experimental group were received visualization training for 20 minutes 3 days in a week for 4 weeks. We applied ANCOVA statistical technique for analysing the result of the study.

Experimental design

Pre-test and post-test randomized group design was employed in the study. The subjects were divided into experimental group and control group. The experimental group was imparted 20 minutes of visualization training for four weeks under the supervision and guidance of the scholar. While no training was imparted to control group. At the end of four weeks post test was conducted for both the group.

Statistical technique:

In order to find out the effect of visualization technique on reducing anxiety level in competition situation ANCOVA was calculated. The level of significance was set at 0.05.

Results

Descriptive Statistics

Table 1: Dependent Variable: POST ANXIETY

| Group | Mean | Std. Deviation | N |
|--------------------|---------|----------------|----|
| Experimental Group | 15.9200 | 3.29039 | 25 |
| Control Group | 18.7600 | 3.28228 | 25 |
| Total | 17.3400 | 3.55488 | 50 |

Table 2: Tests of Between-Subjects Effects

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. | Partial Eta Squared |
|-----------------|-------------------------|----|-------------|--------|------|---------------------|
| Preanxiety | 138.560 | 1 | 138.560 | 17.145 | .000 | .267 |
| Group | 55.254 | 1 | 55.254 | 6.837 | .012 | .127 |
| Error | 379.840 | 47 | 8.082 | | | |
| Total | 15653.000 | 50 | | | | |
| Corrected Total | 619.220 | 49 | | | | |

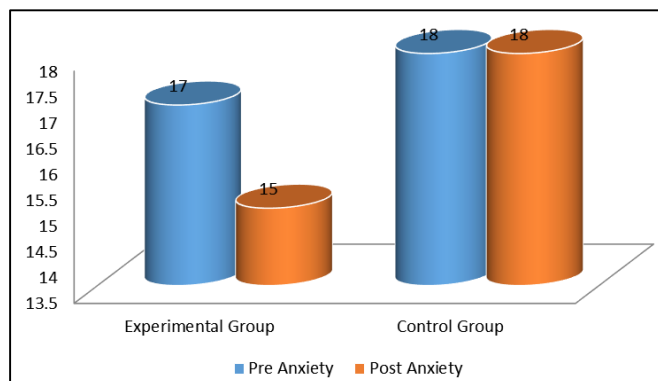
Table 3: Pair-wise Comparisons

| (I) Group | (J) Group | Mean Difference (I-J) | Std. Error | Sig. ^B |
|--------------------|--------------------|-----------------------|------------|-------------------|
| Experimental Group | Control Group | -2.147* | .821 | .012 |
| Control Group | Experimental Group | 2.147* | .821 | .012 |

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

Graphical Representation



Discussion of Findings

This study was conducted to determine the comparative effectiveness of visualization technique on reducing anxiety levels of male soccer players. Pre-test-posted control group design was used. The results of the findings revealed that the level of anxiety shown by the male soccer players prior to the commencement of training, demonstrated anxiety level. This anxiety level portends the likely danger the players could face during competition if left in such state of mind.

Araki (2006) explained that if anxiety increases beyond the optimal level necessary for the given task, a decline in performance follow. In support of this Sutherland (2006) reported that reducing anxiety is only half the battle. The crucial thing is to channel that anxiety positively into confidence. Confidence comes with experience and learning from past situations. When players train anxiety is usually low, and players gain confidence just by performing. Training frequently builds confidence, again through experience. Jokela and Hanin further reported that performance of athletes who were within their individually optimal zones were almost one-half a standard deviation unit better than that of athletes who were outside their zones. To moderate anxiety from high or low to medium, performance level Hanin (1980) presented that each athlete’s schedule of training activities to facilitate optimization of anxiety level according to the individual’s zone of functioning

(ZOF). According to Martens, Burton, Vealey, Bump, and (1990) anxiety include state and trait dimensions both of, which can show themselves as cognitive and somatic symptoms. An athlete high anxiety trait is likely to be more anxious in stressful situations. To help the athlete control competitive anxiety somatic technique (relaxation) and cognitive technique (mental imagery) can be used.

Conclusion

This study examined the effectiveness of visualization technique on reducing anxiety levels of male soccer players in competition situations. It was hypotheses in this study that there is significant difference in the anxiety levels between the control group and experimental group of male soccer players. The findings revealed that there is significant difference in the anxiety levels of the two groups (control and experimental or treatment) after four (4) weeks of training (psycho-neuromuscular technique & visualization technique). Therefore, the null hypothesis was rejected.

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