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S Rajesh

Ph.D. Research Scholar,
Department of Physical
Education, Bharathiar
University, Coimbatore,
Tamil Nadu, India

N Sathiyabama

Physical Director, Kovai
Kalaimagal College of Arts and
Science, Coimbatore,
Tamil Nadu, India

S Senthil Kumaran

Ph.D. Research Scholar
Department of Physical
Education, Bharathiar
University Coimbatore,
Tamil Nadu, India

Corresponding Author:

N Sathiyabama

Physical Director, Kovai
Kalaimagal College of Arts and
Science, Coimbatore,
Tamil Nadu, India

Yoga asana and yoga Nidra's different impacts on volleyball players anxiety levels

S Rajesh, N Sathiyabama and S Senthil Kumaran

Abstract

The idea of the current research was found out the yoga asana and yoga Nidra's different impacts on volleyball players anxiety levels. The subjects were selected Hundred football players (18-24 years) from different colleges of Coimbatore, whose anxiety levels scores were assessed based on EdFenn Beck Anxiety Self Rating Scale, were randomized into two groups. These students fully participated in all training sessions during two weeks of the training schedule. During this practice they did not take any other treatment. All participants were randomized into two groups. Group-I- Yoga Asanas, Group-II –Yoga Nindra. The Anxiety levels of all these students were assessed before starting the program and after the completion of two weeks training procedure. Results- The calculated value of t is 0.63 which is less than the tabulated value of t which is 1.98 at 0.05 level of significance ($p < 0.05$), therefore there is no significant difference existing between the yoga asana group and yoga Nidra group at the initial stage, before the training was applied to both the groups. The calculated value of t is 3.00 which is higher than the tabulated value of t which is 1.98 at 0.05 level of significance ($p > 0.05$), therefore there exist a significant difference in the anxiety level between the yoga asana group and yoga Nidra group at the later stage at the end of the training. Hence it can be said that the yoga Nidra training helped in remarkable improvement in lowering the anxiety level of the Yoga Nidra group in comparison to the yoga asana group of volleyball players.

Keywords: Yoga asana, yoga nindra and anxiety

Introduction

Anxiety is a normal emotional response to the challenging & threatening situations which lead us to emotional and Physical pressure. Today in our fast-paced world, it nearly impossible to live without anxiety, whether you are a student or working professional. According to the American Psychological Association anxiety is an emotion characterized by feelings of tension, worried thoughts and physical changes like increased blood pressure. A certain amount of anxiety is necessary and useful part of studying. It assists student to work harder & be Focused on their studies. However, if students are too much stressed, they can't study effectively. It is important to distinguish between anxiety that assists you to study and anxiety that prevent you from studying effectively. We believe yoga is India's greatest gift to the world. We also respect the hard-work of all the past yogis. It has been told repeatedly that yoga helps to reduce anxiety and Yoga Asanas are great way to do so. But times have changed a lot now from the date since yogic techniques were invented. Even the levels of pollution today is much, much greater than that of 50 years ago then how can we be sure of the effect of a technique created centuries ago. So a research is needed to verify the effect of yogic techniques & their ability to handle anxiety.

Yoga Nidra

Yoga Nidra is an effective technique, for physical or mental relaxation. Qualitatively Yoga Nidra is different from relaxation. It is a 'sleep' where all our burdens are removed in order to attain a more blissful state of awareness.

Difference between Yoga Nidra and an ordinary sleep lies in intensity of a relaxation which is much more intense in Yoga Nidra than in ordinary sleep. Aim of Yoga Nidra is to focus the mind to achieve relaxation and increase Wellness. We used the Yoga Nidra technique, as mentioned in book Yoga Nidra by Swami Satyananda Saraswati. The finalyoga classes conducted for 35 min per day, seven days a week for last two weeks.

- Complete relaxation
- Spinal breath
- Chakras awareness
- Yoga nidra

Yoga Asanas

A list of yoga Asanas

- Surya namaskar
 - Paschimotanasana
 - Dhanurasana
 - Bhujangasana
 - Ardhhakrasana
 - Tadasana
1. Most of the players have shown severe anxiety symptoms.
 2. Most players claim that they know about yoga but hardly anyone has ever taken any training under Expert’s guidance.
 3. Most players think of yoga asanas as mere physical activity.
 4. Yoga Asanas alone are not much a help to person dealing with anxiety.
 5. Yoga Nidra is much better option to deal with anxiety rather than relying solely on yoga asanas.
 6. The 35 min. daily session of Yoga Nidra for 15 days helps the students to get relaxed and it reduces their Anxiety levels significantly.

Method & Design Study participants

Hundred football players (18-24 years) from different colleges of Coimbatore, whose anxiety levels scores were assessed based on Ed Fenn Beck Anxiety Self Rating Scale, were randomized into two groups. These students fully participated in all training sessions during two weeks of the training schedule. During this practice they did not take any other treatment. All participants were randomized into two groups (i) Group-I- Yoga Asanas (ii) Group-II – Yoga Nindra. The Anxiety levels of all these students were assessed before starting the program and after the completion of two weeks training procedure.

Results

Table 1: Paired Samples Test

	Mean	Std. Deviation	Std. error mean	t	df
(Pair-1) Pre-post (yoga asana)	2.18	1.50	0.21	10.22*	49
Pair-2 Pre-post Yoga nidra	9.92	3.56	0.50	19.69*	49

The calculated value of t at 0.05 level of significance with 49 degree of freedom is 10.224 for Yoga group & 19.693 for Yoga Nidra group which is higher than the tabulated value of t (2.021) ($p>0.05$). The table above depicts that there is significant difference existing in the anxiety level of the Yoga asana group (pre and post) and the Yoga Nidra group (pre and post). The t ratio shows higher value in Yoga Nidra group in comparison to the Yoga group.

Table 2: Independent Group Statistics (PRE-TRAINING)

Group	N	Mean	S.D	Std. error mean	t
Yoga asana	50	29.06	16.50	2.33	0.66
Yoga nidra	50	26.98	16.37	2.31	

The calculated value of t is 0.633 which is less than the tabulated value of t which is 1.984 at 0.05 level of Significance ($p<0.05$), therefore there is no significant difference existing between the yoga group and yoga Nidra group at the initial stage, before the training was applied to both the groups

Table 3: Independent Group Statistics (Post Training)

Group	N	Mean	S.D	Std. error mean	t
Yoga asana	50	26.88	17.50	2.47	3.00*
Yoga nidra	50	17.06	15.13	2.14	

The calculated value of t is 3.00 which is higher than the tabulated value of t which is 1.984 at 0.05 level of significance ($p>0.05$), therefore there exist a significant difference in the anxiety level between the yoga asana group and yoga Nidra group at the later stage at the end of the training. Hence it can be said that the yoga Nidra training helped in remarkable improvement in lowering the anxiety level of the Yoga Nidra group in compared to the yoga asana group.

Discussion

This research clearly indicates two things

The disturbing situation of our current education system and an urgent need to make some reforms in our current education system. We believe yoga is India’s greatest gift to the world. We also respect the hard-work of all the past yogis. But times have changed a lot now. Even the levels of pollution today is much, much greater than 50 years ago then how can we be sure of the effect of a technique created centuries ago. So we need to study yoga from an unbiased medical perspective.

Conclusion

The volleyball players showing minimal to moderate anxiety symptoms have shown significant decrease in their anxiety scores after 12 weeks ‘Yoga Nidra’ session. Even in most cases their anxiety level is reduced. But in case of players with severe anxiety symptoms there is very little improvement qualitatively whereas quantitatively there is greater reduction in anxiety scores. However, the small sample size is considered as limitation of this study. Also, this research indicates that Yoga Nidra is an effective tool for dealing with psychological problems like anxiety.

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