Effect of Sahaja Yoga Meditation on the Nutritional Assessment of University Students

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(Received September 25, 2010, accepted December 9, 2010)

Abstract. The objective of the study was to find out the effect of Sahaja Yoga Meditation on Nutritional Assessment of University Students. (The objective of the study was to find out the significant difference between pre-test means, post-test means and adjusted post-test means of experimental (Sahaja Yoga Practice) group and control group. Subjects for the study were selected from Banaras Hindu University. Total of 60 students were be selected. Age of the Subjects was ranged from 17 to 25 years. All the subjects were divided randomly in to two groups i.e. 30 in experimental group and 30 in control group. Practice of Sahaja Yoga Meditation was considered as Independent variables and Nutritional Assessment was considered as dependent variables. To find out the effect of sahaja yoga meditation on Nutritional Assessment of the University students, Analysis of Covariance (ANCOVA) was used. It was concluded that: Significant difference was found among the adjusted post test means of experimental group and control group in Nutritional Assessment, since the F-value (7.251 , p < .05) was found significant at .05 level with 1, 57 df.

Keywords: Sahaja Yoga Meditation, Nutritional Assessment

1. Introduction

Sahaja Yoga is a method of meditation which brings a breakthrough in the evolution of human awareness. It was created by Shri Mataji Nirmala devi in 1970 and has since spread all around the world. Sahaja-Yoga works on awakening of primordial energy within us called Kundalini. When the Kundalini rises and crosses the sixth energy centre, it brings us into a state of thoughtless-awareness - no distracting thoughts from future or past are bombarding the mind. All conflicts residing in the mind that create stress, evaporate. We enter into a state of peace within, remaining completely in the present and aware of everything around us. Inside every human being there is a network of nerves and sensory organs that interprets the outside physical world. At the same time, within us resides a subtle system of channels (nadas) and centers of energy (chakras) which look after our physical, intellectual, emotional and spiritual being. Each of the seven chakras has several spiritual qualities. These qualities are intact within us, and even though they might not always be manifest, they can never be destroyed. When the Kundalini is awakened, these qualities start manifesting spontaneously and express themselves in our life. Thus, through regular meditation, we become automatically very dynamic, creative, confident and at the same time very humble, loving and compassionate. It is a process which starts to develop by itself when the Kundalini rises and starts to nourish our chakras.

2. Significance, Objective and Hypothesis

2.1. Significance of the Study

(1) The study may be useful to improve the life style standard of the individuals. (2) The study may help university students for self assessment.

2.2. Objective

The objective of the study was to find out the effect of Sahaja Yoga Meditation on Nutritional Assessment of University Students. (The objective of the study was to find out the significant difference
between pre-test means, post-test means and adjusted post-test means of experimental (Sahaja Yoga Practice) group and control group.)

2.3. Hypothesis

It was hypothesized that there shall not be any significant effect of sahaja yoga meditation on Nutritional Assessment of the University students.

3. Methodology, Findings, Conclusions and Discussions

3.1. Methodology

Subjects: Subjects for the study were selected from Banaras Hindu University. Total of 60 students were selected. Age of the Subjects was ranged from 17 to 25 years. All the subjects were divided randomly in to two groups i.e. 30 in experimental group and 30 in control group. Variables / Contents selected: Practice of Sahaja Yoga Meditation was considered as Independent variables and Nutritional Assessment was considered as dependent variables. Questionnaire used: Life Style Assessment Inventory by Anspangh Davids, Michael, H. Hamrich and Frank D. Rosato was adopted to collect data for Life Style Assessment. Validity of the questionnaire in Indian Conditions was found .89. Experimental Design: Random group design was adopted for this study as all the subjects were randomly divided in to two groups. Further the Experimental treatment was also assigned randomly. The experimental group participated in the sahaja yoga practice. Sahaja yoga practice was conducted for the duration of 12 weeks.

<table>
<thead>
<tr>
<th>Randomized</th>
<th>DV</th>
<th>IV</th>
<th>DV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1 (Sahaja Yoga Meditation)</td>
<td>R</td>
<td>O1</td>
<td>X</td>
</tr>
<tr>
<td>Group 2 (Control)</td>
<td>R</td>
<td>O1</td>
<td>O2</td>
</tr>
</tbody>
</table>

Experimental treatment (Sahaja Yoga Practice): Subjects performed the practice of Sahaja Yoga as per following details under the supervision of investigator: (1) Right in the beginning a lamp was lightened in front of portrait of Shree Mata Ji Nirmala Devi.(2)Subjects assumed the position of comfortable posture (Sukhasana).(3)Performed “Kundalini Bandhan”.(4)Took “Bandhan”.(5)Placed left forearm on left knee with palm facing upward and right palm on the floor by the side of the body and prayed “ Shree Mata Ji, with your blessings, absorb the barriers and defects of my ‘tamo’ qualities in earth”.(6)After feeling vibrations on left palm, subjects placed right forearm on right knee with palm facing upward and lifted left hand(palm facing them)towards sky and prayed “Shree Mata Ji, with your blessings, absorb the barriers and defects of my ‘Rajo’ qualities in the sky”.(7)Placed left palm on the right side of abdomen (right forearm remained on right knee) and prayed “Shree Mata Ji, with your blessings, keep my mind free of thoughts”.(In steps 8 to 10, left forearm remained on left knee) (8)Placed right palm on the heart and prayed “Shree Mata Ji, with your blessings, I am ‘Atma ’”.(9)Placed right palm horizontally on forehead, with slightly leaning forehead forward, prayed “Shree Mata Ji, with your blessings, I forgive everyone with my heart and I am not having anger for anyone in my mind”.(10)Placed middle part of right forearm on vertex with straight fingers and rotated seven times clock wise and prayed “Shree Mata Ji, with your blessings, allows me to feel self realization.(11) Placed both forearms on respective knees and meditated for 15 minutes with fixing mind on “Sahastrar Chakra”.(12)Performed the practice of 3rd step.(13)Performed the practice of 4th step.In addition to above procedure, Sahaja Yoga Meditation was performed by the subjects with attention under the supervision of Sahaja Yoga Expert, Mrs. Versha Pradhan. Meditation was performed with the following steps: Subject kept their ‘Chitta’ on central heart. After that, they kept their ‘Chitta’ on ‘Sahastrara’. After that, subjects brought their ‘Chitta’ in the sky and tried to feel vibrations. In the last step subjects kept their ‘Chitta on ‘Anahata Chakkra’.

Statistical Analysis: To find out the effect of sahaja yoga meditation on Alcohol and Drug Assessment of the University students, Analysis of Covariance (ANCOVA) was used.

3.2. Findings
Table 1. Descriptive Statistics of Nutritional Assessment of Experimental Group and Control Group in Pre-Test and Post-Test

<table>
<thead>
<tr>
<th></th>
<th>Mean</th>
<th>Std. Deviation</th>
<th>Std. Error</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre Test</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experimental Group</td>
<td>55.900</td>
<td>15.07075</td>
<td>2.75153</td>
<td>26.00</td>
<td>88.00</td>
</tr>
<tr>
<td>Control Group</td>
<td>55.6667</td>
<td>15.78811</td>
<td>2.88250</td>
<td>28.00</td>
<td>79.00</td>
</tr>
<tr>
<td><strong>Post Test</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experimental Group</td>
<td>63.300</td>
<td>14.30734</td>
<td>2.61215</td>
<td>32.00</td>
<td>88.00</td>
</tr>
<tr>
<td>Control Group</td>
<td>55.7333</td>
<td>8.30012</td>
<td>1.51539</td>
<td>40.00</td>
<td>71.00</td>
</tr>
</tbody>
</table>

**Figure: 1 - Summary for Nutritional Assessment score (Experimental Group Pre-Test)**

![Graph showing distribution and confidence intervals for experimental group pre-test.]

**Figure: 2 - Summary for Nutritional Assessment score (Experimental Group Post-Test)**

![Graph showing distribution and confidence intervals for experimental group post-test.]

Anderson-Darling Normality Test

For the experimental group pre-test:
- A-Squared: 0.40
- P-Value: 0.337

For the experimental group post-test:
- A-Squared: 0.37
- P-Value: 0.409

Confidence Intervals:
- 95% Confidence Interval for Mean: 60.727 - 65.479
- 95% Confidence Interval for Median: 62.000 - 64.500
- 95% Confidence Interval for Std Dev: 12.01 - 20.264

Andersen-Darling Normality Test:
- Mean: 63.300
- Std Dev: 14.307
- Variance: 204.700
- Skewness: 0.020128
- Kurtosis: -0.324944
- N: 30
- Minimum: 32.000
- 1st Quartile: 51.000
- Median: 63.000
- 3rd Quartile: 73.000
- Maximum: 88.000
- 95% Confidence Interval for Mean: 57.958 - 68.842
- 95% Confidence Interval for Median: 56.229 - 68.771
- 95% Confidence Interval for Std Dev: 11.394 - 19.234

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Table 2. Adjusted Post Test Means of Experimental Group and Control Group in relation to Nutritional Assessment

<table>
<thead>
<tr>
<th>GROUPS</th>
<th>Mean</th>
<th>Std. Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental</td>
<td>63.264</td>
<td>1.968</td>
</tr>
<tr>
<td>Control</td>
<td>55.769</td>
<td>1.968</td>
</tr>
</tbody>
</table>

Table 3. Analysis of Variance of Comparison of Means of Experimental Group and Control Group in Nutritional Assessment

<table>
<thead>
<tr>
<th></th>
<th>Sum of Squares</th>
<th>df</th>
<th>Mean Square</th>
<th>F</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Test</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Between Groups</td>
<td>.817</td>
<td>1</td>
<td>.817</td>
<td>.003</td>
<td>.954</td>
</tr>
<tr>
<td>Within Groups</td>
<td>13815.367</td>
<td>58</td>
<td>238.196</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post Test</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Between Groups</td>
<td>858.817</td>
<td>1</td>
<td>858.817</td>
<td>6.278*</td>
<td>.015</td>
</tr>
<tr>
<td>Within Groups</td>
<td>7934.167</td>
<td>58</td>
<td>136.796</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Significant at .05 level

F value required to be significant at 1, 58 df = 4.006

In relation to pre test, table 3 revealed that the obtained ‘F’ value of .003 was found to be insignificant at 0.05 level, since this value was found lower than the tabulated value 4.006 at 1, 58 df.

In relation to post test, significant difference was found among experimental group and control group pertaining to Nutritional Assessment, since F value of 6.278 was found significant at .05 level.
3.3. Conclusions

Significant difference was found among the adjusted post test means of experimental group and control

Table 4. Analysis of Covariance of Comparison of Adjusted Post Test Means of Experimental Group and Control Group in Nutritional Assessment

<table>
<thead>
<tr>
<th></th>
<th>Sum of Squares</th>
<th>df</th>
<th>Mean Square</th>
<th>F</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contrast</td>
<td>842.526</td>
<td>1</td>
<td>842.526</td>
<td>7.251*</td>
<td>.009</td>
</tr>
<tr>
<td>Error</td>
<td>6622.908</td>
<td>57</td>
<td>116.191</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Significant at .05 level

F value required to be significant at 1, 57 df = 4.009

Table 4 revealed that the obtained ‘F’ value of 7.251 was found to be significant at 0.05 level, since this value was found higher than the tabulated value 4.009 at 1, 57 df.
group in Nutritional Assessment, since the F-value (7.251) was found significant at .05 level with 1, 57 df.

3.4. Discussions

Hackl, W., (1995) found a significant beneficial effect of Sahaja Yoga Meditation on state and trait anxiety in healthy adults.

Manocha et al., (2002) found a significant reduction in the severity of asthma as measured in airway-hyper-responsively in response to chemical challenge (an objective indicator of the severity of asthma) as a result of Sahaja Yoga Meditation. In addition there was an increase in the subjective ratings of mood. Similar findings were observed previously in a smaller trial using the same meditation technique (Chugh et al., 1997).

Harrison, L. et al. (2003) found a significant improvement of the symptoms of Attention Deficit Hyperactivity Disorder (ADHD) as a result of Sahaja Yoga Meditation. ADHD is a disorder that develops in childhood and is characterised by problems of attention, impulsiveness and hyperactivity.

Aftanas and Golchokeikine (2001, 2002, 2003) found that long-term Sahaja Yoga meditators showed increased power in low band frequency EEG activity of theta and alpha. They also found specific brain activation patterns corresponding to the subjective feelings of thoughtless awareness and happiness experienced by the Meditators. This study showed that the subjective experiences of mental silence and positive emotions during Meditation have very specific neurophysiological correlates in the activation and connectivity of regions that mediate internalised attention and positive affect.

Morgan, A. (2001) showed that Sahaja Yoga Meditation has a beneficial therapeutic effect on the symptoms of patients with depression and anxiety.

Hackl, W. & Golosheykin S. (2005) found that Sahaja Yoga Meditators scored significantly lower in personality features of anxiety, neuroticism, psychoticism, and depression and scored higher in emotional stability and better emotional skills.

4. Acknowledgements

Study has been completed under UGC (Ministry of HRD, Govt. of India), MRP; UGC reference No.: F.No.5-88(9)/2008 (HRP) dated 7th January, 2009; Project Code No.: P - 04/155).

Sincere thanks to Banaras Hindu University, Varanasi, INDIA and University Grants Commission, Ministry of Human Resource and Development, INDIA for providing financial support to conduct this study.

5. References

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