Study of Body Composition and Fitness between Women Yoga Practitioners and Walking Practitioners

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Abstract

The study aimed to compare body composition and fitness between women yoga practitioners and walking practitioners. By simple random sampling method, fifty (50) each woman regular yogic practitioners and regular walking practitioners were selected of the age from 20-25 years. For the study, BMI, four sides skin fold thickness (fat %), flexibility (bridge up test) and cardio-vascular efficiency (400m 12min run and walk) were variable for test. To analyse the collected data, mean, SD and t-test were used to signify at 0.05 level of significant. Outcomes recommend yoga group to have lower onsets of BMI and body fat and also high flexibility and cardio-vascular efficiency within the standards for their corresponding age.

Keywords: Yoga, Walking, Women, Flexibility, Cardio-Vascular Efficiency, BMI

Introduction

In the circumstances of up-to-date being, which deal numerous ranges of attention and prime to lethargy and obliquely fatness, body configuration examination is significant, since it offers treasured evidence on the relation amongst fat mass and active mass, which is continuously altering through the lifetime.

Physical fitness is clear as the ability to achieve day-to-day motion with energy and perceptiveness, deprived of unnecessary exhaustion although presence capable to gain regeneration while benefits and to encounter the unexpected traumas. Fitness is an overall word to designate the capability to accomplish physical effort. By rise in responsiveness of lifestyle ailments, numerous forms of exercises are accomplished to aim the health benefits. Some action that practices can conserve always, and is graceful and aerobic in nature, can be determined e.g., yoga, walking, climbing, cycling, aerobic dance or group exercises. Yoga is very greatly related level currently as it is equally a physical activity and real method of dealing stress. On the other hand walking has possible confident effects for physical health as well as spiritual and expressive well-being.

Aim: To compare body composition and fitness between women yoga practitioners and walking practitioners.
Method

Descriptive method was used to find the problem. By simple random sampling method, fifty (50) each woman regular yogic practitioners and regular walking practitioners were selected of the age from 20-25 years from Manipur. For the study, BMI, four sides skin fold thickness (fat %), flexibility (bridge up test) and cardio-vascular efficiency (400m 12min run and walk) were variable for test. To analyse the collected data, mean, SD and t-test were used to signify at 0.05 level of significant.

Results

The collected data were tabulated and analysed (Table 1) to represent the outcomes.

Women between yoga and walking practitioners of BMI highlighted the results that mean ± SD as 21.95 ± 2.19 and 22.23 ± 2.34 respectively. The calculated t-value (0.729) was lesser than the table value at 0.05 level of significant. There was no significant difference of women BMI between regular yoga practitioners and regular walking practitioners.

Women between yoga and walking practitioners of Body fat highlighted the results that mean ± SD as 16.91 ± 2.5 and 17.9 ± 2.78 respectively. The calculated t-value (0.31) was lesser than the table value at 0.05 level of significant. There was no significant difference of women Body fat between regular yoga practitioners and regular walking practitioners.

Women between yoga and walking practitioners of Bridge up highlighted the results that mean ± SD as 12.53 ± 0.84 and 11.73 ± 0.88 respectively. The calculated t-value (0.017) was lesser than the table value at 0.05 level of significant. There was no significant difference of women bridge up between regular yoga practitioners and regular walking practitioners.

Women between yoga and walking practitioners of aerobic capacity highlighted the results that mean ± SD as 1990 ± 323.6 and 1818.3 ± 319.52 respectively. The calculated t-value (0.155) was lesser than the table value at 0.05 level of significant. There was no significant difference of women aerobic capacity between regular yoga practitioners and regular walking practitioners.

Table 1: Value representing women between yoga and walking practitioners

<table>
<thead>
<tr>
<th>Variables</th>
<th>Yoga practitioner</th>
<th>Walking practitioner</th>
<th>t-value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mean ± SD</td>
<td>Mean ± SD</td>
<td></td>
</tr>
<tr>
<td>BMI</td>
<td>21.95 ± 2.19</td>
<td>22.23 ± 2.34</td>
<td>0.729</td>
</tr>
<tr>
<td>Body fat</td>
<td>16.91 ± 2.5</td>
<td>17.9 ± 2.78</td>
<td>0.31</td>
</tr>
<tr>
<td>Bridge up</td>
<td>12.53 ± 0.84</td>
<td>11.73 ± 0.88</td>
<td>0.017</td>
</tr>
<tr>
<td>Aerobic capacity</td>
<td>1990 ± 323.6</td>
<td>1818.3 ± 319.52</td>
<td>0.155</td>
</tr>
</tbody>
</table>

*0.05 level of significant

Discussion and Conclusions

Results from the study presented those women practicing yoga in daily life to be in better fitness matched to those women practicing walking activity. Outcomes recommend yoga group to have lower onsets of BMI and body fat and also high flexibility and cardio-vascular efficiency within the standards for their corresponding age. Furthermore, between tested yoga participants no woman stated hypertension or heart problems, in difference to the group of women not connected to yoga, wherever these complications happened.

Thus, we would similar to demand to the contemporary people to approve Yoga as a quantity of their fast-pacing routine to advance welfares not merely in flexibility and body composition nonetheless too progress in Cardio-vascular fitness.
Bibliography


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