# THE INFLUENCE OF EXERCISE ON PHYSICAL AND MENTAL FITNESS OF EXERCISING YOUNG MALES

Sadaf Ahmed. 1,2 N. Shamoon, S. Tooba and J. Hiba

<sup>1</sup>Department of Physiology, University of Karachi, Karachi-75270, Pakistan,

## **ABSTRACT**

Exercising affects the individual behaviors and lifestyle. The opportunity for exercise available to each person with respect to social and economical surroundings may become manage to change the eating and sleeping patterns and in majority of cases show a burst of activity when overall outcomes of exercising were compared with non-exercising individuals. Randomized Performa based study was conducted on 207 young males who were exercising, going gym regularly for weight loss or physical fitness. After exercising 79% of the regularly exercising males felt fresh, relaxed and less frustrated on day to day issues. Moreover 71% were got less irritated when compared with non-exercising males. Significant and improved mental and physical fitness was achieved through the combination of exercise and diet in regularly exercising young subjects, although no differences were found based on different exercise durations and intensities in this group and majority of the males were reported to exercise only to achieve fitness as their primary goal rather than to loose weight or build body.

**Key-words:** Exercise, physical and mental fitness, males, behaviour, life style.

#### INTRODUCTION

Physical and mental health can be benefited or changed after and also sluggish down the process of aging (Alford, 2010). The constructive role of physical exercise helps to prevent range of clinical conditions (Lennox et al., 1990 & Mondin et al., 1996). Clinician often prescribes physical exercise for both mental and physical health benefits, but there are certain risks that are likely to soothe the process of exercise induced psychological health (Cramer et al., 1991, Frederick et al., 1996; Reid et al., 1983). The gendered differences with respect to physical activity cannot be excluded as men like to do exercise and sport as daily routine. Fortunately, this picture may be changing rapidly but at the same time the relation between exercise and problems with body image should not be ignored (Koff et al., 1997), for either gender. Despite significant gains in public acceptance and participation women are still more likely to engage in non-competitive activities such as aerobics and keep fit which in turn may serve to reinforce the cult of thinness and feminity (Cramer et al., 1991) There is a tendency among women to focus on their body as style statement whereas traditionally men have been more likely to attend to the energetic aspects of their bodies harmonization, potency and pace (Sonstroem et al., 1996). When social physique anxiety (SPA) correlates with self presentational motives for exercise such as weight control and attractiveness is higher among women, they consistently score higher than men on measures of self confidence with regard to their bodies and physical competence (McAuley et al., 1995; Morris et al., 1990), numerous studies have investigated the mood enhancing properties of exercise and have shown that exercise can indeed have a positive influence on mood state, that individuals may self report an improvement in mood states without a corresponding improvement being detected but the psychometric test of mood and confirmed a relation between exercise and positive moods (Morgan et al., 1971), with significant effect sizes being shown for all six subscales of the profile of mood states (POMS) (Mc Donald et al., 1991). However, more recent research suggests that this relation may be quite complex and demands further clarification, and emphasizes on the option that any kind of increments related to physical activeness is independent mood. There also an overall impact of acute and chronic aerobic exercise (Steptoe et al., 1988) and has been shown to be associated with significant positive mood changes at different level (Mc Donald et al., 1991; Maroulakis et al., 1993), various forms exercise, both aerobic and anaerobic, can be associated with an elevation of mood state, particularly for clinical samples, The nature of these mechanisms, whether psychosocial, psychological, psychopharmacological or psycho-physiological, has yet to be understood (Timonen et al., 1971).

This study has been undertaken to compare the effects of exercise among trained and un-trained subjects and also to understand eating, sleeping and behavioral fitness in exercising young males. Moreover, we also compared the beneficial effects of exercise in regularly exercising young male subjects.

<sup>&</sup>lt;sup>2</sup>Advanced Educational Institute & Research Centre, Karachi, Pakistan.

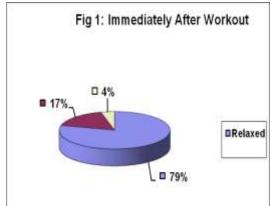
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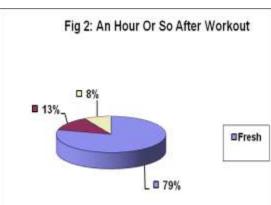
# **METHODOLOGY**

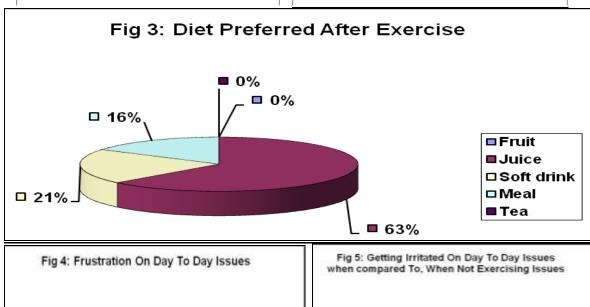
Randomized Performa based study was conducted involving 207 young males who were exercising, going gym regularly for weight loss or physical fitness. The questionnaire was based on the queries regarding duration of exercise, exercising history, use of drugs including caffeine, nicotine or power enhancing, the type of meal they prefer to take before or after exercise, feel after workouts and the overall effects that have ever experienced after workouts.

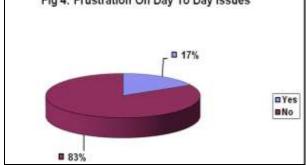
## RESULTS AND DISCUSSION

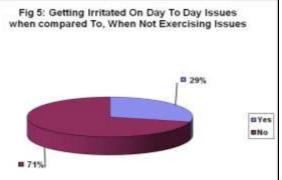
After exercising 79% of the regularly exercising males felt fresh after their workouts(FIG 2) & even 79% felt relaxed (FIG 1) while 13% felt tired & 17% felt exhausted which is less in comparison of healthy effects(FIG 1 & 2)

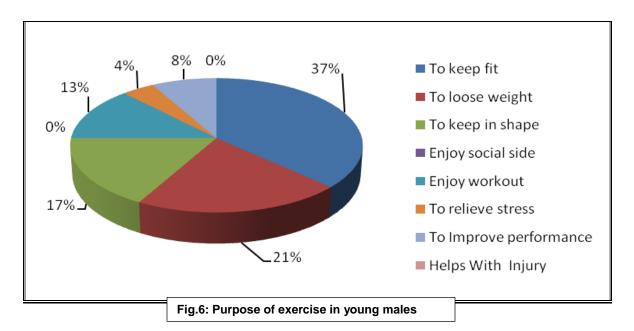












Participating in physical activities is the key to a healthy lifestyle, is a well-established fact for ages now (Biddle et al., 1994). People of all age groups are advised by the health practitioners to indulge in physical activities. These activities may range from vigorous walking to jogging, from games to workouts. All such activities aim at promoting a much healthier state of a human being. Our research revealed that exercising effect health conditions (Fig. 1 & 2) and may be effecting to prevent the population from the risk of heart disease, dementia, stroke, type 2 diabetes, depression, obesity and high blood pressure (Maroulakis et al., 1993) as most of the individuals feels fresh and more relaxed after their workouts.. People who take regular exercise could reduce their risk of developing various physical and mental health conditions supported by Individuals have an element of control over some of these factors, including obesity, diet, smoking and physical activity. Although the focus of our study was on men's health, the research is beneficial for physical activity of both sexes and relevant to all age groups. Regular moderate to intense physical activity is associated with decreased risk of coronary heart disease and ischemic and hemorrhagic stroke (Hartung, 1995; Sinyor et al., 1986). A growing body of evidence suggests that increasing physical activity can also reduce the risk of certain types of cancers, osteoporosis, type 2 diabetes, depression (Reid and Yen, 1983), obesity (Hartung, 1995) and high blood pressure (Sinyor et al., 1986) . It is evidenced by our study that exercising males become less frustrated and irritated on day to day issues since they have been involve in exercising (Fig. 4 & 5). The other beneficial effects of physical activity in the primary prevention and management of cancer is growing and there is an association between higher levels of physical activity and lower cancer death rates. Research has found that walking or cycling for at least an half-an-hour a day is associated with a reduction in cancer (Powell et al., 1994) and that when this is increased to an hour cancer incidence falls by (Head et al., 1996). Evidence is mixed when it comes to specific cancers (Pate et al., 1995). Research has shown a strong relationship between increased physical activity and reduced colon cancer in both sexes. And men who are more active at work—not just sitting at a desk—have a lower rate of prostate cancer. Other cancer studies show that physical activity after diagnosis can aid recovery and improve outcomes (Sonstroem et al., 1996). Studies have also shown that men who are physically active are less likely to experience erection problems (Folkins et al., 1981). There is growing evidence that physical activity could decrease the risk of dementia in the elderly (Sexton et al., 1989). We have also focused on the fact of increasing interest in exercising lifestyle and inclination of populations towards daily workouts and was observed that most of the young male population emphasizes on healthy lifestyle and to maintain pace and shape of their body (Fig.6).

# **CONCLUSION & RECOMMENDATIONS**

Significant and improve mental and physical fitness was achieved through the combination of exercise and diet in regularly exercising young subjects, although no differences were found based on different exercise durations and intensities in this group and majority of the males were reported to exercise only to achieve fitness as their primary goal rather than to lose weight or build body. Ideally, to gain maximum health benefits people should exercise, not

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smoke, eat a healthy diet, the more of these healthy traits an individual has, the less likely they are to develop a range of chronic disorders. Even if people can't give up smoking and maintain a healthy weight, they can still gain health benefits from increasing the amount of regular exercise they take. Our research suggests that men and women of all ages should encourage, being more physically active for the sake of their long term health (Fig.6).

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