Prevalence of Dieting and associated Health effect among Hostel Girls of Muhammad Medical College

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Abstract:

Background: The high prevalence of obesity in modern societies is a major public health problem and is rising day by day. Obesity imposed some chronic diseases with feeling of low Self - esteem and negative body image. Prevalence of obesity is high among all age groups but it is two to three times higher among 20 years age group. Negative body image initiates young adults on dieting and unhealthy eating behaviors to lose weight. Thus dieting is becoming a common phenomenon among university students to achieve their desirable body weight. To assess the prevalence of dieting and associated effect current study was carried out among the medical students.

Methodology: A cross sectional descriptive study was conducted among hostel girls of Muhammad Medical College in June-August 2014. 108 girls filled a guestionnaire and data was entered and analyzed by SPSS version 16.

Results: 41% were dieting. The most frequent reason for dieting was to reduce weight to get smartness as reported by n=29(64%). Different health related issues were reported n=36(80%) feel weakness, n=12(26.6%) feel dizziness, n=29(66.4%) from constipation &n= 11(24.4%) suffered from diarrhea, n=11(24.4%) have disturbed menstrual cycle& n= 28(62.2%) have irritative behavior due to dieting, n=29(66.4%) felt backache, n=34(75.5%) felt headache, n=37(82.2%) have mental problems, n=4(8.88%) felt lack of concentration during lectures due to dieting.

Conclusion: Our study reported high number of hostel girls were dieting with multiple health hazards. Key Words: Dieting, Weakness, Female Medical students.

Introduction:

adults are obese¹.BMI, however, is not a perfect meas- all 108 girls, a questionnaire was administered to collect ure of body fat.² It is highly correlated with body fat but information demographic, socio-economic status, pracdoes not account for differences in distribution of body tices of dieting and associated risk factors. Data was fat or differences between race/Hispanic origin groups, entered and analyzed by SPSS version 16. sex, and age. Different sex, age, and race/ethnicity **Results:** groups may have different body fat at the same BMI.^{3,4} Among to For example, some research suggests that Asians may dieting which was more frequent n=30 (66%) in age have more body fat than whites, especially at lower group 19-22. The most frequent reason for dieting was BMIs.⁵ Risk of morbidity and mortality may not be com- to reduce weight to get smartness as reported by n=29 pletely captured by BMI.⁶ Given concerns that health (64%). Different health related issues were reported risks begin at a lower BMI among Asians compared with n=36(80%) feel weakness, n=12(26.6%) feel dizziness, others, some Asian countries have adopted lower cut n=29(66.4%) from constipation &n= 11(24.4%) suffered points of BMI to define overweight or obesity,⁷ and alt- from diarrhea, n=11(24.4%)have disturbed menstrual hough WHO has recommended continuing to use the cycle& n= 28(62.2%) have irritative behavior due to dietstandard cutoffs for international comparisons, a WHO ing, n=29(66.4%) felt backache, n=34(75.5%) felt headexpert committee has recommended lower cutoffs for ache, n=37(82.2%) have mental problems, n=4(8.88%) Asians as points for "public health action."8

Methodoloav:

- 1. Assistant Professor Pathology, Muhammad Medical College
- Assistant Professor Medicine, Muhammad Medical 2. College
- Assistant Professor Biochemistry, Muhammad Medical 3. College
- Student, Muhammad Medical College 4.
- 5. Student, Muhammad Medical College

among hostel girls of Muhammad Medical College in More than one-third (34.9% or 78.6 million) of U.S. June-August 2014. After taking the informed consent of

Among total n=45(41%) respondent were practicing the felt lack of concentration during lectures due to dieting. Discussion:

A cross sectional descriptive study was conducted According to NHANES data in 2003-2004, 66.2% of U.S. adults 20-74 years old were either overweight or obese, 33.4% were overweight and 32.9% were obese. More recent data from NHANES show no significant changes in the prevalence of obesity for either men or women between 2003-2004 and 2005-2006⁹. The WHO estimates that in 2005 approximately 1.6 billion people worldwide were overweight and that at least 400 million adults were obese¹⁰.

At any given time, approximately45 percent of women

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Original Research

and 30 percent of men in the United States are trying to loseweight¹¹. This is consistent with our figure of 41%. **Conclusion:**

Our study reported high prevalence of dieting multiple health problems were identified including headache, weakness, backache, constipation, disturbed menstrual cycle, irritative behavior, diarrhea, lack of concentration during lectures. So it is recommended that dieting practices should be conducted under the supervision of dietitian to avoid the undesirable effects.

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