Association Between Dietary Habits and Physical Activity Pattern with Overweight and Obesity Amongst Women in an Urban Community, Lalitpur



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visible but neglected public health problem to today's world (WHO 2015)

☐ Women of reproductive age are more vulnerable. and that they have suffered significant increase in the BMI in resents years. However, the risks to develop NCDs have shown to depend on waist-to his ratio (WHIR) than on the BMI alone (Hurdey

et al. 20103 Link between food security and

· The higher cost of nutritious foods, the stress of living with food insecurity and physiological adaptations to food restriction help explain why food insecure families may have a higher risk of

· Poor access to food increases the risk of poor birth outcomes (ex.low birthweight) and stunted growth which are associated with risk of overweight/obesity later in life.

. This study aims to determine the association between dietary behaviours, physical activity patterns with body mass index, waist hip ratio and

· A cross-sectional study was conducted in an

west conference

urban community among 189 women need 20 to 50 years. A structured questionnaire was administered to the participants about their dietary habits, physical activities, status, height, weight, waist-to-hip ratio (WHiR) and waist circumference.











The average age of participants was 35.41± 8.45 years, 80.4% were from urban and 19.6% of the some priningled from rural Among them 22%. were from Newar community

· The overweight or obesity rate was consistent arrone women based on body mass index (BMI) (76.2%), waist-circumference (81%) and waist-tohip ratio (81%).

· About 34.9% were overweight (23.5<BMI<27.5) representing increased risk

 About 24.9% have normal (BMI =18.5-23) and Less consumption of refined and futty foods, demo-1.1% underweight (<18.5).

· Average total energy intake per day of women was 2834+ 903 Krall

Total energy intake per day of women with BM0(r=0.039, p=0.59) and WHIR (r=0.04,p=0.96) had noncignificant association at n value >0.05

between obese, overweight and normal weight Mean energy expenditure was 7119±4408 Metabol-

ic Equivalents per week.

physical activities and BMI, WHIR. WC.

· The multivariate recression showed age, polished rice consumption and entertainment-related moderate physical activities were positively and significantly associated with all dependent variables (BMI

· Mest consumption was positively correlated with waist circumference (\$= 0.26, p< 0.001) and BMIf \$ = 0.24, p< 0.001).

· Intake of polished rice and meat have a direct relation with weight status, while short distance walking has an no relation with central obesity.

tion of sedentary behaviours, promotion of short distance walking and necessary reproductive education could help in preventine overweight/obesity amone urban wannen in Neval

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