

**TABLE S1** | Association of the categorical variable WC with infertility

	OR(95%CI), p value		
	Model 1 <sup>1</sup>	Model 2 <sup>2</sup>	Model 3 <sup>3</sup>
Infertility			
Waist Circumference	1.02 (1.01, 1.02) <0.01	1.02 (1.01, 1.02) <0.01	1.02 (1.00, 1.03) <0.01
Categories			
Normal	Reference	Reference	Reference
Overweight	2.01 (1.11, 3.63) 0.0204	1.80 (0.99, 3.27) 0.0550	2.00 (0.94, 4.25) 0.0702
Obese	2.38 (1.47,3.86) <0.01	2.06 (1.25, 3.39) <0.01	2.27(1.16, 4.45) 0.0165

Classification of WC into groups:Normal (< 80cm) ; Overweight (80 ~ 88cm) ; Obese (≥ 88cm)

OR, odds ratio; 95% CI, 95% confidence interval.

<sup>1</sup>Model 1: No covariates were adjusted.

<sup>2</sup>Model 2: Adjusted for age and race.

<sup>3</sup>Model 3: Adjusted for age, race, education level, Ratio of family income to poverty, marital status, Minutes sedentary activity, Meals from fast food or pizza place, Total Cholesterol, Direct HDL-Cholesterol, hypertension, and diabetes.