Table S1 Characteristics of subjects classified into one of two groups based on metabolic syndrome criteria and sex separated within those two groups

	Met Syn-NO		P Value Met Syn-NO Male vs. Female	Met Syn-YES		P Value Met Syn-YES Male vs. Female
Gender	Male (n=36)	Female (n=74)		Male (n=25)	Female (n=49)	
Age (years)	36.4±1.5	33.8±1.2	NS	36.5 ±2.3	40.5 ±1.7*	<0.05
Body Mass Index (kg/m2)	27.9±0.8	28.5±0.7	NS	36.2± 2.8^{I}	34.5± 1.0^{I}	NS
Body Fat (%)	21.9±1.0	32.3±0.7	<0.0001	28.3± 1.7*	37.7± 0.9^{I}	<0.0001
Systolic Blood Pressure (mmHg)	120.6±2.1	111.8±1.1	<0.001	132.2± 3.6*	126.6±3.1^{I}	NS
Diastolic Blood Pressure (mmHg)	78.0±1.3	74.0±0.9	<0.05	82.6± 2.1	81.0± 1.5^{I}	NS
Waist Circumference (cm)	96.9±1.9	94.2±1.6	NS	113.2± 3.3^{I}	107.0± 2.0^{I}	<0.05
Hip Circumference (cm)	102.6±1.4	106.1±1.3	NS	113.1± 2.1^{I}	117.8± 2.0^{I}	NS
Cholesterol	172.8 ± 5.6	164.0 ± 3.4	NS	196.6 ± 7.8*	188.2 ± 5.9*	NS
Triglyceride (mg/dL)	122.7±9.1	100.3±4.3	<0.05	229.1± 22.4^{I}	192.3± 14.3^{I}	NS
High Density Lipoprotein (mg/dL)	41.3±1.5	50.9±1.3	<0.0001	33.4± 1.3**	39.7± 1.2^{I}	<0.05
Low Density Lipoprotein (mg/dL)	111.1±4.6	98.1±2.9	<0.05	121.5± 8.7	115.4± 3.9*	NS
Very Low Density Lipoprotein (mg/dL)	20.5±1.5	16.8±0.7	<0.05	33.2± 2.8**	29.8± 1.7^{I}	NS
Alanine Aminotransferase (IU/L)	29.8±3.0	19.5±1.1	<0.001	54.5± 6.5**	35.4± 4.0^{I}	<0.05
Aspartate Aminotransferase (IU/L)	25.0±1.8	21.9±1.0	NS	34.6± 3.6*	29.0± 2.4*	NS
Hemoglobin AIc (%)	5.7 ±0.2	5.5 ±0.03	NS	6.0± 0.3	6.2± 0.2^{I}	NS
Fasting Plasma Glucose (mg/dL)	98.2 ±5.1	89.9 ±1.0	<0.05	109.1± 5.8*	114.7± 6.6^{I}	NS
2 Hour Plasma Glucose (mg/dL)	121.9 ±11.3	125.0 ±4.2	NS	154.1± 13.9*	196.0± 11.9^{I}	<0.05
Fasting Plasma Insulin (uIU/mL)	6.5 ±0.6	7.8 ±0.6	NS	13.3± 2.0*	12.5± 1.7**	NS
2 Hour Plasma Insulin (uIU/mL)	34.5 ±4.9	73.3 ±7.3	<0.0001	77.0± 15.8*	124.3± 18.0**	<0.05
Matsuda Index	9.1 ±1.8	6.4 ±0.6	<0.05	3.3± 0.5^{I}	3.7± 0.6^{I}	NS

Data are mean ± SE

Significance of <0.05 indicated by *, <0.001 by **, and <0.0001 by ^{I} within sex for Met Syn-YES versus NO.