SUPPLEMENTARY DATA

Supplementary Table 1. Correlations of measures of obstructive sleep apnea with glucose homeostasis

	Fasting Plasma Glucose (mg/dL)	1 hour glucose (mg/dL)	2-hour glucose‡ (mg/dL)	Hemoglobin A1C (%)
Apnea-Hypopnea Index‡	-0.018	-0.136	0.064	0.018
Arousal Index‡	0.102	-0.127	0.172	0.234 (p=0.069)
Lowest SaO$_2$‡	0.061	-0.020	-0.036	0.190

(All numbers represent correlation coefficients. Numbers in bold = significant association: *=p<0.05, †= p<0.01)
‡=Spearman Correlation Analysis
Glu 1 hour = Glucose level 1 hour after oral glucose ingestion on OGTT
Glu 2 hour = Glucose level 2 hours after oral glucose ingestion on OGTT
Lowest SaO$_2$ = lowest oxyhemoglobin saturation

Supplementary Table 2. Correlation of measures of obstructive sleep apnea with insulin secretory measures

	1-hour insulin‡ (microIU/mL)	2-hour insulin‡ (microIU/mL)	IGI‡	AIRg‡
Apnea-Hypopnea Index‡	0.059	0.146	0.059	0.079
Arousal Index‡	0.019	0.079	0.061	-0.067
Lowest SaO$_2$‡	-0.173	-0.15	-0.067	0.022

(All numbers represent correlation coefficients. Numbers in bold = significant association: *=p<0.05, †= p<0.01)
‡=Spearman Correlation Analysis
HOMA-B= Homeostasis model assessment of beta cell function
IGI= Insulinogenic index derived from OGTT
AIRg= Acute insulin response to glucose derived from IVGTT
Lowest SaO$_2$ = lowest oxyhemoglobin saturation

Supplementary Table 3. Correlation of measures of obstructive sleep apnea with insulin sensitivity parameters

	Fasting insulin (OGTT)‡ (microIU/mL)	HOMA-IR‡	WBISI	SI
Apnea-Hypopnea Index‡	0.204	0.190	-0.16	**-0.338***
Arousal Index‡	0.075	0.102	-0.149	-0.224
Lowest SaO$_2$‡	-0.205	-0.187	0.151	0.230

(All numbers represent correlation coefficients. Numbers in bold = significant association: *=p<0.05, †= p<0.01)
‡=Spearman Correlation Analysis
HOMA-IR=Homeostasis model assessment of insulin resistance
WBISI= Whole body insulin sensitivity index derived from OGTT
S$_I$ = Insulin sensitivity index from the IVGTT
Lowest SaO$_2$ = lowest oxyhemoglobin saturation