

SUPPLEMENTARY DATA

Supplementary Table 1. Main anthropometric and metabolic parameters of the entire cohort: normal glucose tolerance (NGT) adolescents divided according to 2-hour glucose levels (<100; 100-119; 120-139 mg/dl) and IGT subjects

	NGT			IGT	p [†]	p [‡]
	<100	100-119	120-139			
OGTT DATA						
Number *	252	561	471	317		
Gender (M/F) *	103/149	231/330	207/264	118/199	.313	
Race (C/AA/H) *	95/118/39	218/237/106	194/180/97	137/97/83	.101	
Age (years)	13.4±3.0	13.0±2.9	13.1±3.0	13.3±2.7	.152	
BMI-Z	2.4±0.34	2.4±0.33	2.4±0.35	2.4±0.33	.487	.431
Surrogates Markers of Insulin secretion and sensitivity						
IGI	6.337±5.220 ^{§ ¶}	4.942±3.529 ^{**}	4.548±3.389	3.993±2.756	<.001	<.001
WBISI	2.511±1.273 ^{§ ¶}	1.990±1.006 ^{##}	1.600±.847 ^{††}	1.150±.600	<.001	<.001
CBDI	2.624±2.2090 [¶]	3.288±3.1871 [*]	3.777±3.805	4.528±4.037	<.001	.001

Data are expressed as Mean (SD). * Number of participants; † One-way Anova; ‡ Adjusted values (ANCOVA).

NGT= Normal Glucose Tolerance; IGT= Impaired Glucose Tolerance; C= Caucasians; AA= African Americans; H=Hispanics; BMI=Body Mass Index-Z Score; IGI= Insulinogenic Index; WBISI= Whole Body Insulin Sensitivity Index; BCDI: beta-cell demand index.

§= p<0.05 NGT <100 mg/dl vs NGT 100-119 mg/dl

||= p<0.05 NGT <100 mg/dl vs NGT 120-139 mg/dl

¶= p<0.05 NGT <100 mg/dl vs IGT

#= p<0.05 NGT 100-119 mg/dl vs NGT 120-139 mg/dl

**= p<0.05 NGT 100-119 mg/dl vs IGT

††= p<0.05 NGT 120-139 mg/dl vs IGT