

NC(=N)NCCCC[C@H](N)C(=O)[O-]

[26] Gannon, MC	Healthy	25g glucose	Oral	9	13	30	93.8	13	30	124.2
	Healthy	10.6g arginine + 25g glucose	Oral	9	13	30	65.8	13	30	96.1
[27] Tang, ZQ	Healthy	75g glucose	Oral	8	6	45	39.8	6	45	135.1
	Healthy	30g arginine + 35g glucose	Oral	8	6	30	42.2	6	30	130.9

C	Intravenous arginine infusion									
First author	Subject condition	Amount administered	Ingestion type	# Subjects	Insulin time points	Insulin time to peak (min)	Insulin peak concentration (μU/mL)	Glucose time points	Glucose time to peak (min)	Glucose peak concentration (mg/dL)
[17] Floyd, JC	Healthy	15g arginine	IV-Infusion	11	10	5	35.1	10	30	104.2
[28] Giugliano, D	Healthy	30g arginine	IV-Infusion	10	9	30	34.2	9	25	107.8
[29] Coiro, V	Healthy	30g arginine	IV-Infusion	14	9	30	52.8	9	20	108.8

Figure 2 consists of four panels. The first two panels are line graphs showing the time course of Insulin and Glucose levels over 90 minutes. The third and fourth panels are bar graphs showing the area under the curve (AUC) for Insulin and Glucose, respectively.

Insulin (µU/mL) vs Time (min):

Time (min)	2g (µU/mL)	2g+ (µU/mL)	2g- (µU/mL)
0	~10	~10	~10
15	~35	~30	~25
30	~30	~55	~35
45	~15	~45	~20
60	~10	~30	~15
90	~10	~15	~10

Glucose (mg/dL) vs Time (min):

Time (min)	2g (mg/dL)	2g+ (mg/dL)	2g- (mg/dL)
0	~80	~80	~80
15	~95	~90	~85
30	~105	~105	~100
45	~95	~95	~90
60	~85	~85	~80
90	~85	~85	~80

iAUC (µU/mL/min):

Group	iAUC (µU/mL/min)
2g	~10
2g+	~18
2g-	~22

gAUC (mg/dL/min):

Group	gAUC (mg/dL/min)
2g	~10
2g+	~18
2g-	~12



■ Obese - arginine

Dynamic insulin response

Dynamic glucose response

Insulin iAUC

Glucose iAUC

Figure 2 displays four graphs comparing metabolic responses between Obese-arginine (green) and Obese-glucose (purple) groups. The first graph shows dynamic insulin response (μU/mL) over time, with the Obese-arginine group (green) showing a higher peak than the Obese-glucose group (purple). The second graph shows dynamic glucose response (mg/dL) over time, with the Obese-arginine group (green) showing a lower peak than the Obese-glucose group (purple). The third graph shows insulin iAUC (μU/mL/min) as a bar chart, with the Obese-arginine group (green) having a higher area under the curve than the Obese-glucose group (purple). The fourth graph shows glucose iAUC (mg/dL/min) as a bar chart, with the Obese-arginine group (green) having a lower area under the curve than the Obese-glucose group (purple).

