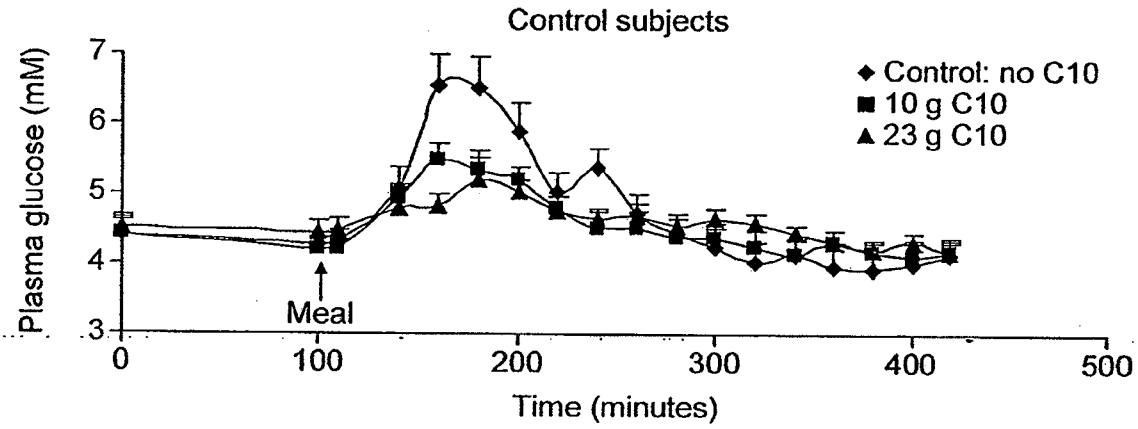

Hyperinsulinemia
hyperglycemia
Peripheral insulin resistance
Impaired glucose tolerance
Diabetes

FIG. 1


Control subjects
Plasma glucose (mM)
7
6
5
4
3
0
100
200
300
400
500
Meal
Time (minutes)
Control: no C10
10 g C10
23 g C10

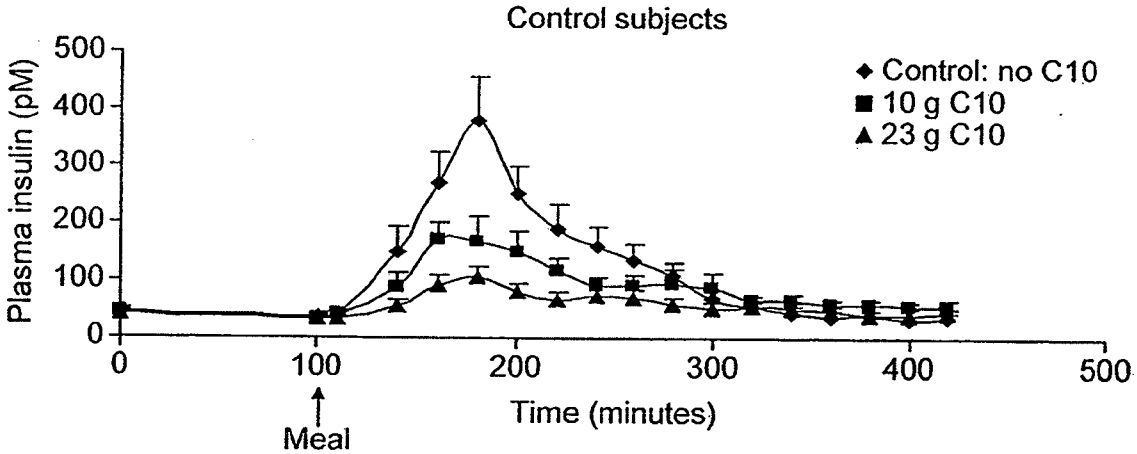

Control subjects
Plasma insulin (pM)
500
400
300
200
100
0
0
100
200
300
400
500
Meal
Time (minutes)
Control: no C10
10 g C10
23 g C10

FIG. 2

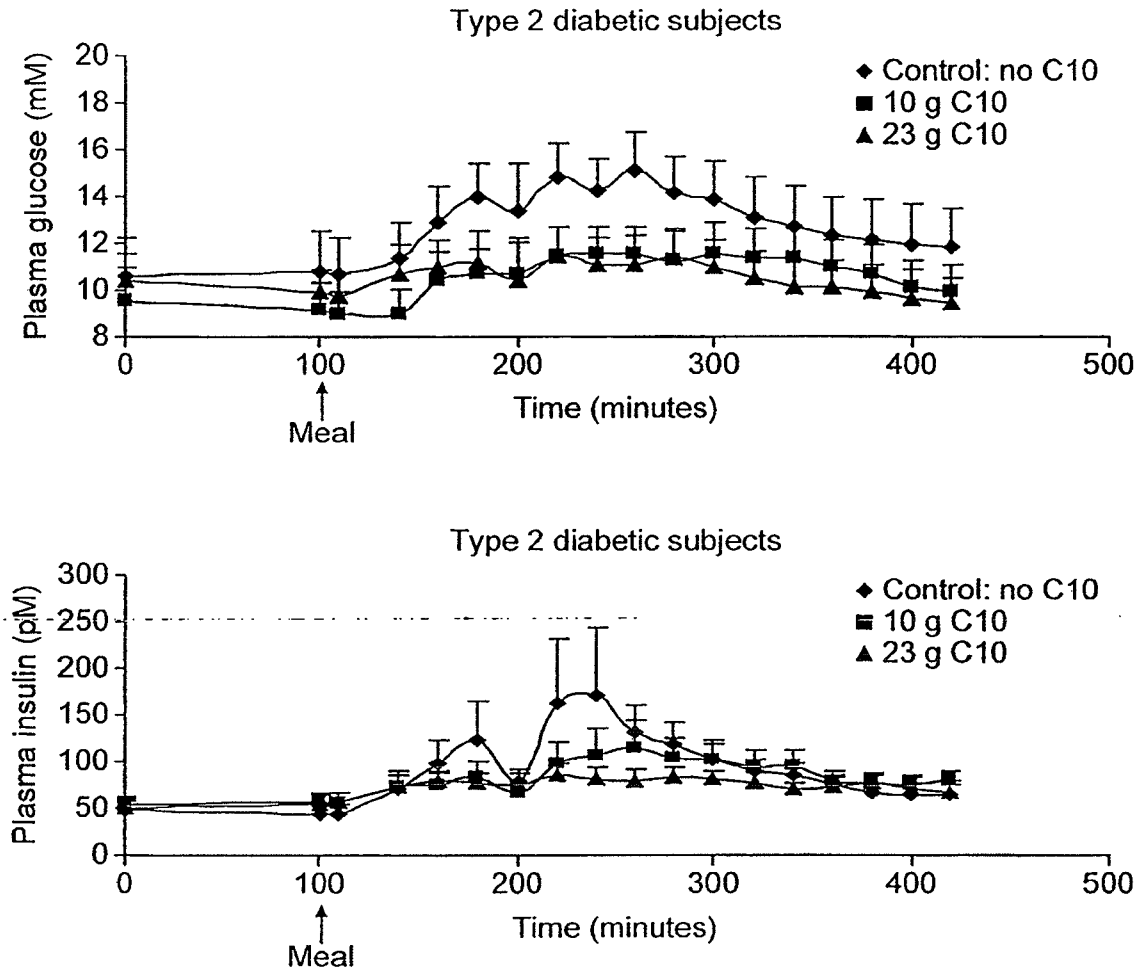

Type 2 diabetic subjects
Plasma glucose (mM)
20
18
16
14
12
10
8
Control: no C10
10 g C10
23 g C10
0
100
200
300
400
500
Meal
Time (minutes)
Type 2 diabetic subjects
Plasma insulin (pM)
300
250
200
150
100
50
0
Control: no C10
10 g C10
23 g C10
0
100
200
300
400
500
Meal
Time (minutes)

FIG. 3

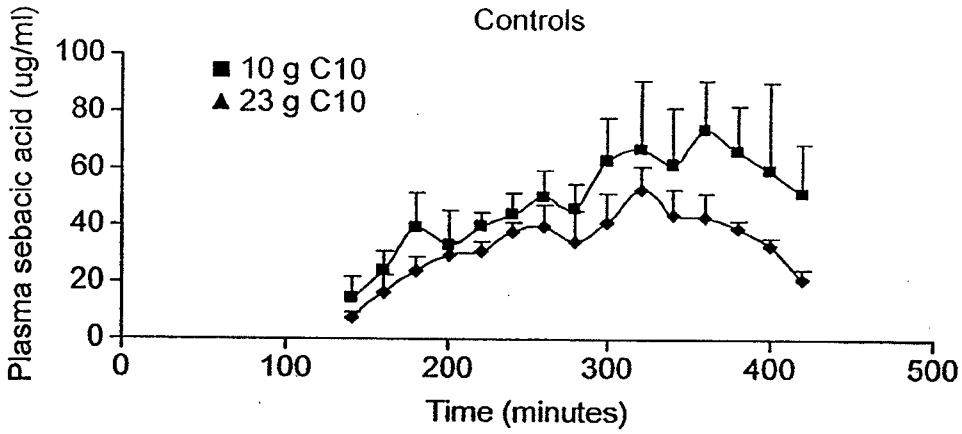

Controls
10 g C10
23 g C10
Plasma sebacic acid (ug/ml)
100
80
60
40
20
0
0
100
200
300
400
500
Time (minutes)

FIG. 4

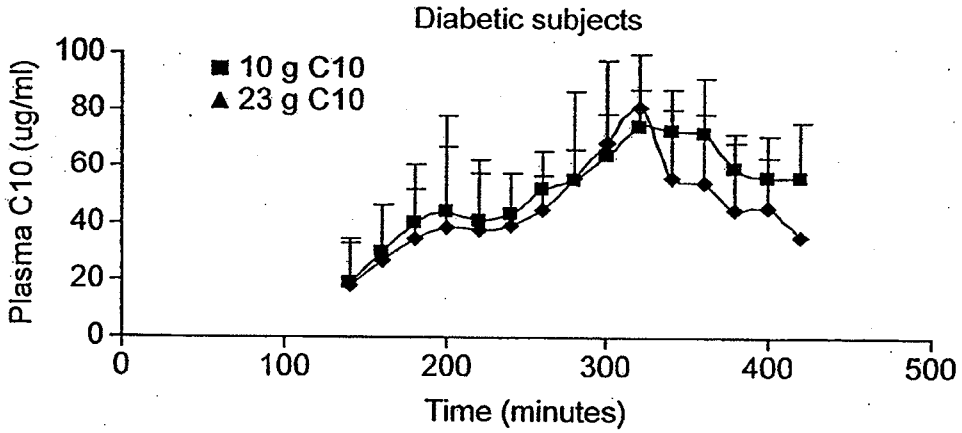

Diabetic subjects
10 g C10
23 g C10
Plasma C10 (ug/ml)
100
80
60
40
20
0
0
100
200
300
400
500
Time (minutes)

FIG. 5