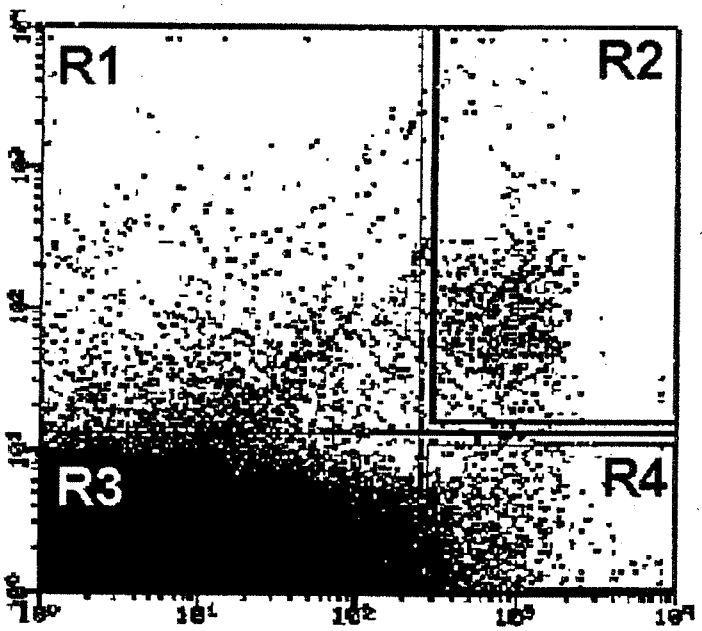


FIGURE 1

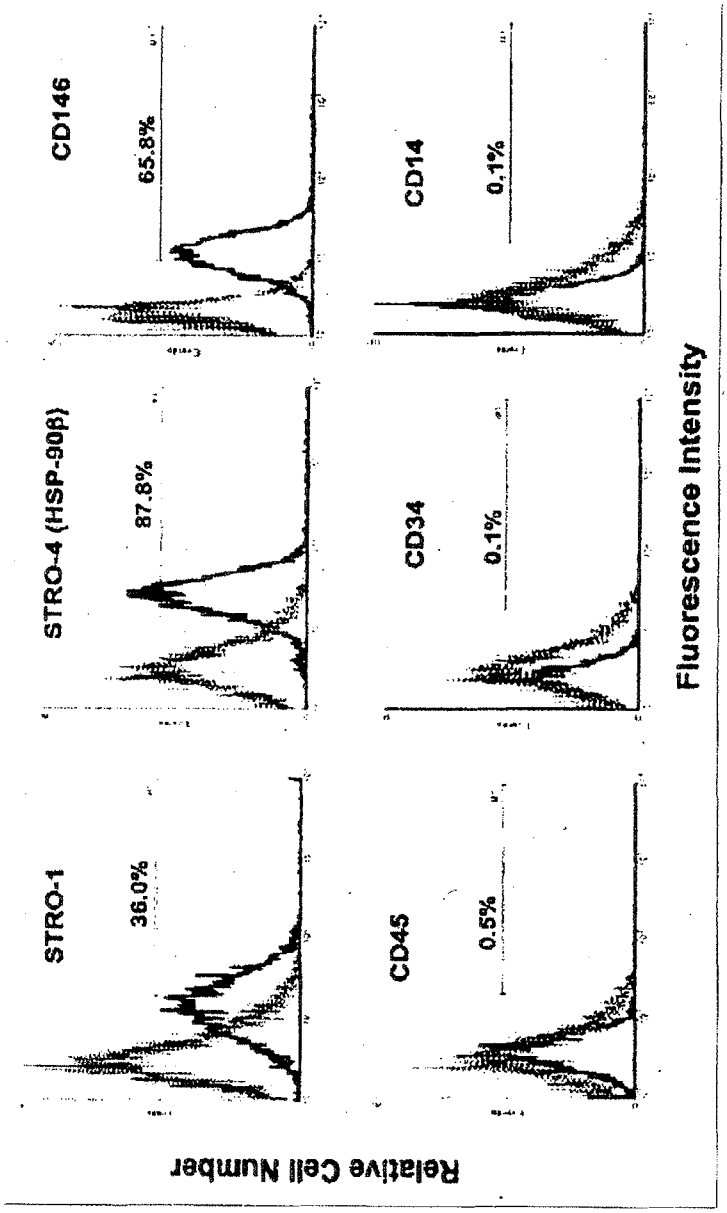

CD146
65.8%
CD14
0.1%
STRO-4 (HSP-90β)
87.8%
CD34
0.1%
STRO-1
36.0%
CD45
0.5%
Relative Cell Number
Fluorescence Intensity

FIGURE 2

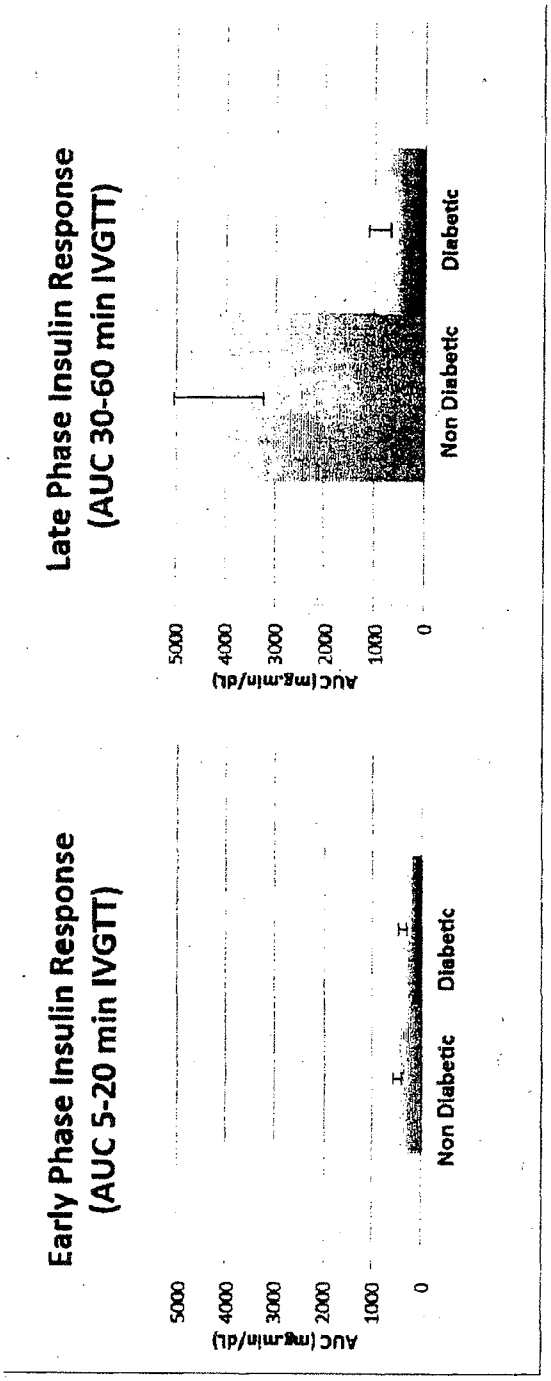

Early Phase Insulin Response
(AUC 5-20 min IVGTT)
AUC (mg.min/dL)
5000
4000
3000
2000
1000
0
Non Diabetic
Diabetic
Late Phase Insulin Response
(AUC 30-60 min IVGTT)
AUC (mg.min/dL)
5000
4000
3000
2000
1000
0
Non Diabetic
Diabetic

FIGURE 3

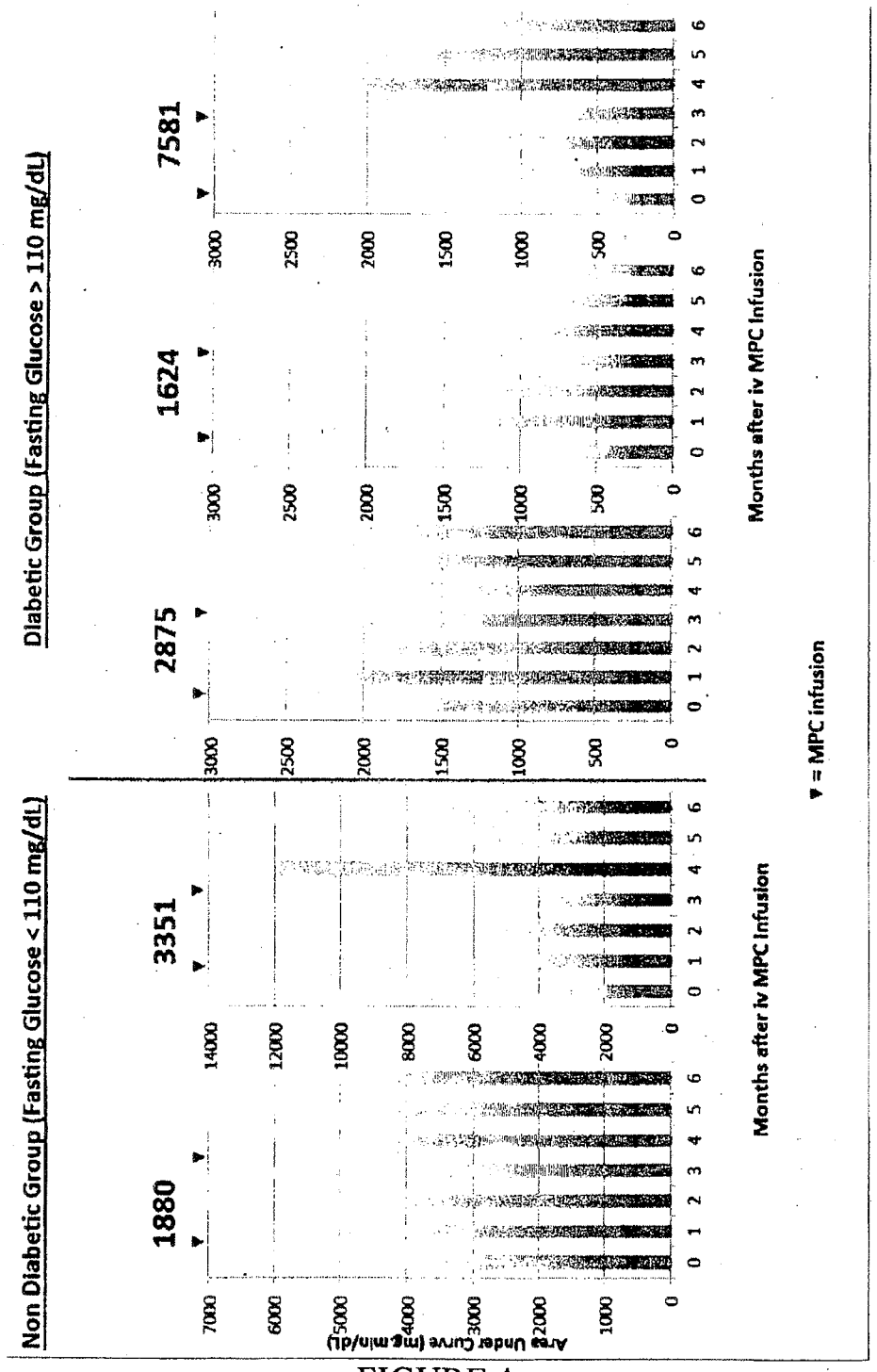

Non Diabetic Group (Fasting Glucose < 110 mg/dL)
Diabetic Group (Fasting Glucose > 110 mg/dL)
1880
3351
2875
1624
7581
Area Under Curve (mg.min/dL)
Months after iv MPC Infusion
Months after iv MPC Infusion
▼ = MPC infusion

FIGURE 4

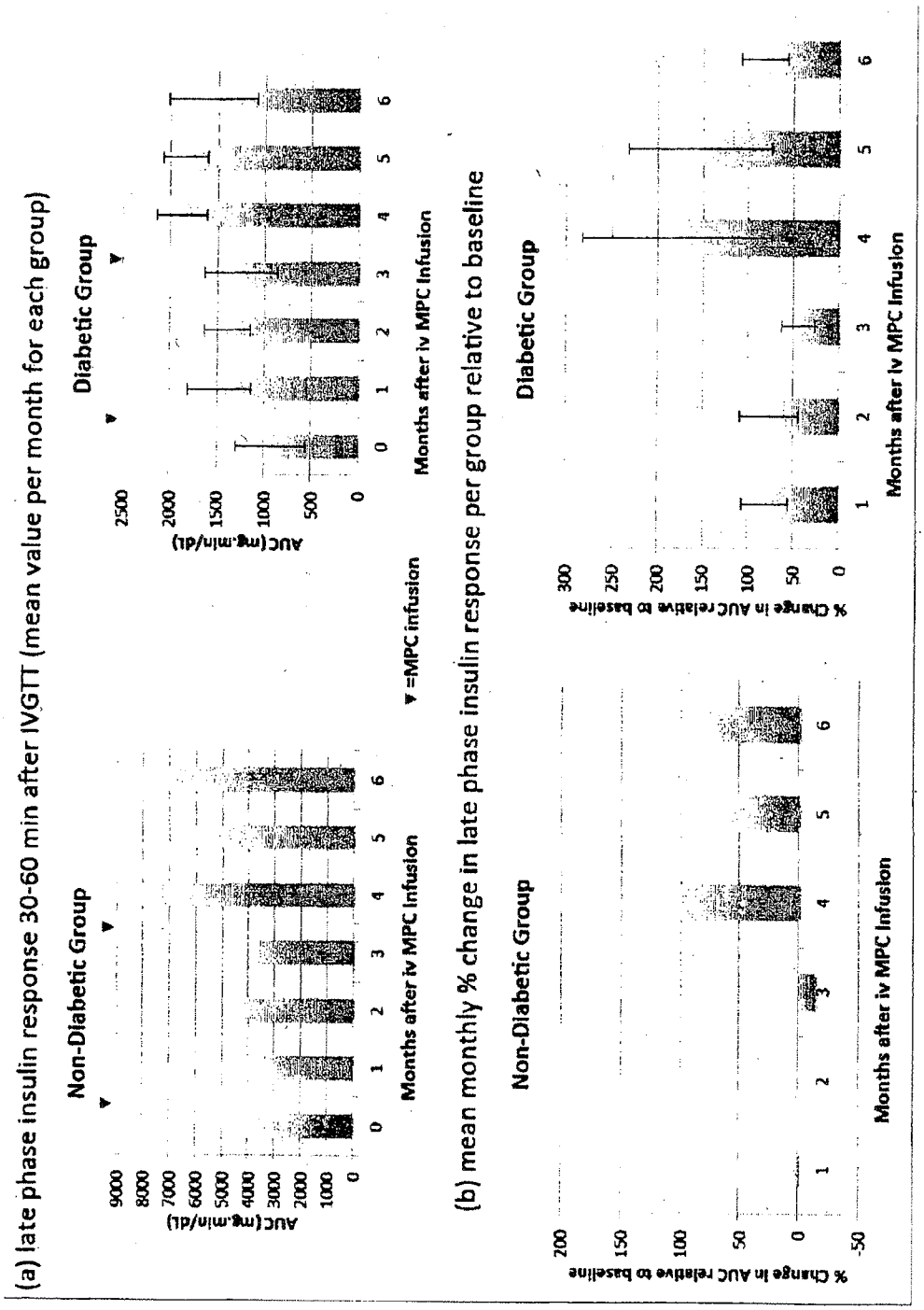

(a) late phase insulin response 30-60 min after IVGTT (mean value per month for each group)
Non-Diabetic Group
Diabetic Group
AUC (mg.min/dl)
Months after iv MPC Infusion
▼=MPC infusion
(b) mean monthly % change in late phase insulin response per group relative to baseline
% Change in AUC relative to baseline

FIGURE 5

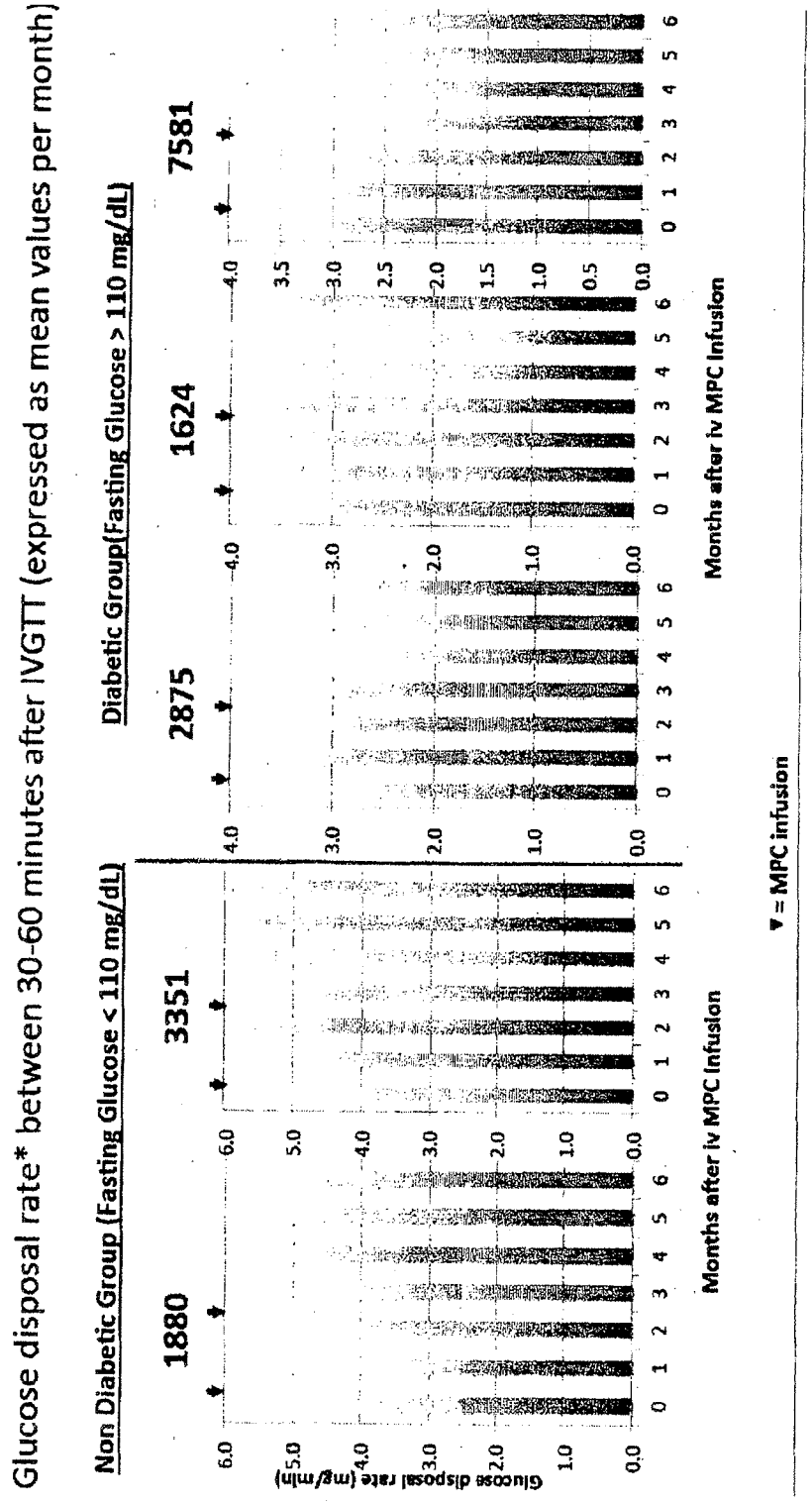

Glucose disposal rate* between 30-60 minutes after IVGTT (expressed as mean values per month)
Non Diabetic Group (Fasting Glucose < 110 mg/dL)
1880
3351
Diabetic Group(Fasting Glucose > 110 mg/dL)
2875
1624
7581
Glucose disposal rate (mg/min)
Months after iv MPC Infusion
▼= MPC infusion

FIGURE 6

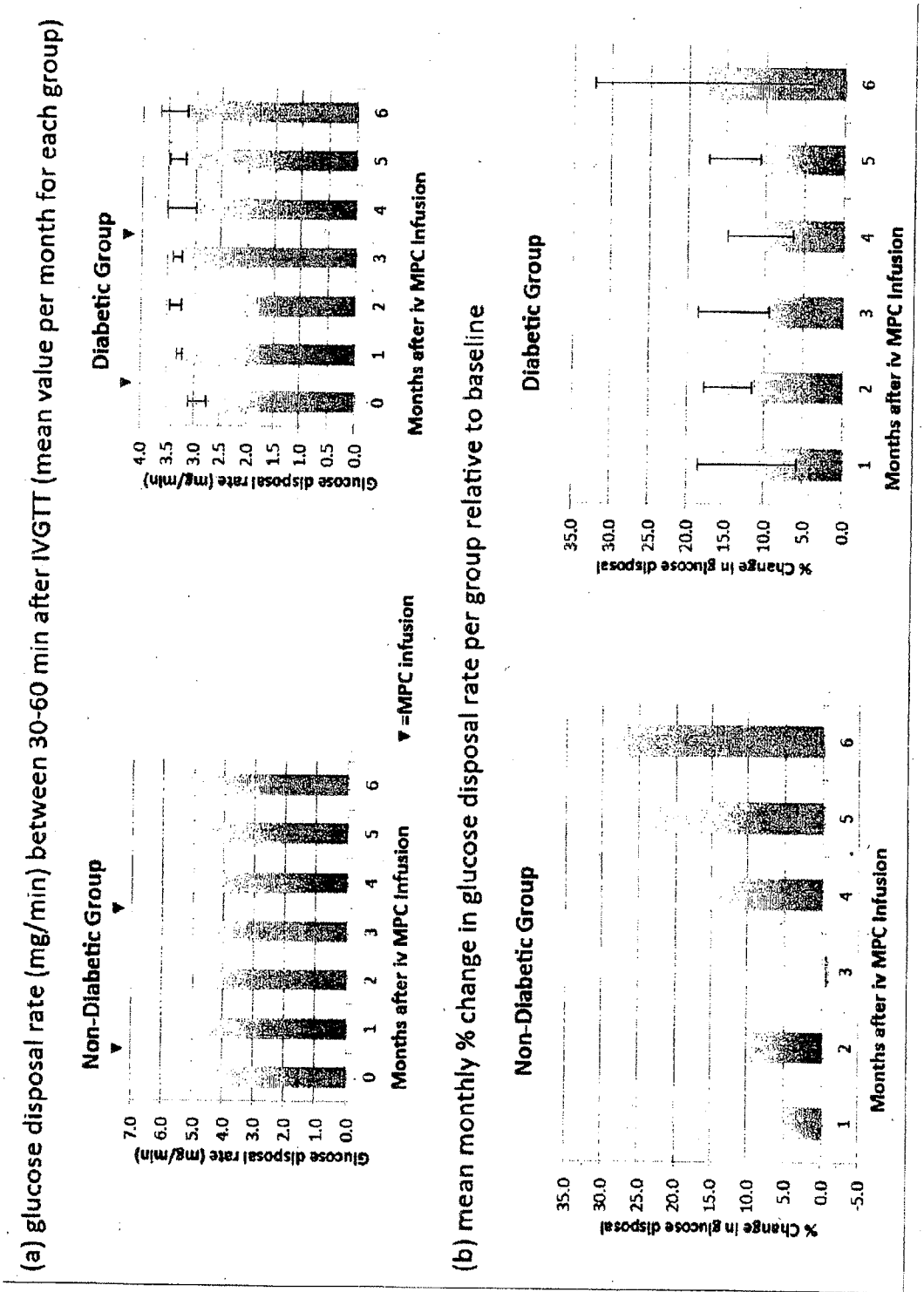

(a) glucose disposal rate (mg/min) between 30-60 min after IVGTT (mean value per month for each group)
Non-Diabetic Group
Diabetic Group
Glucose disposal rate (mg/min)
Months after iv MPC Infusion
▼=MPC infusion
(b) mean monthly % change in glucose disposal rate per group relative to baseline
Non-Diabetic Group
Diabetic Group
% Change in glucose disposal
Months after iv MPC Infusion

FIGURE 7

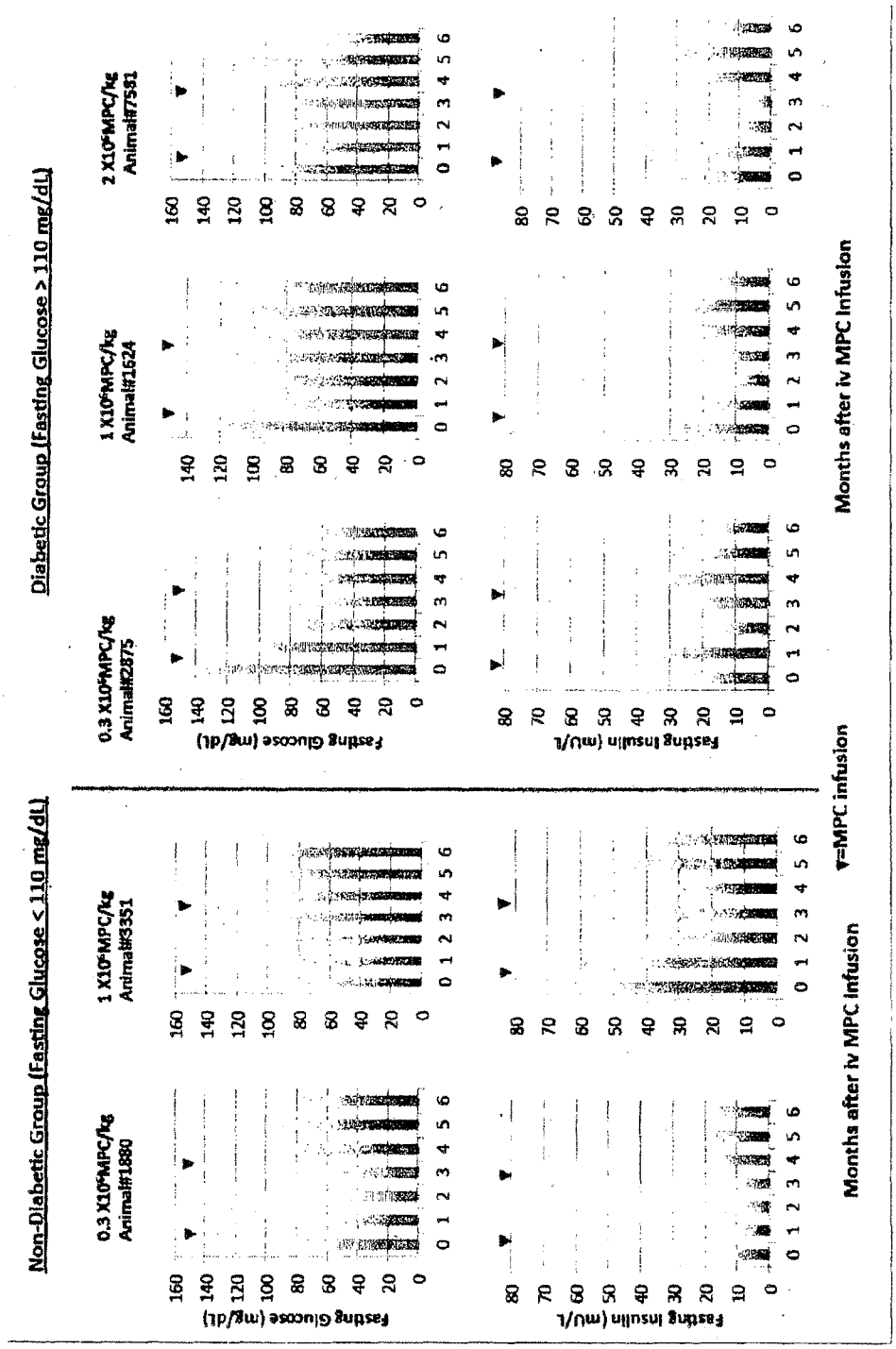

Non-Diabetic Group (Fasting Glucose < 110 mg/dL)
Diabetic Group (Fasting Glucose > 110 mg/dL)
0.3 X10⁶MPC/kg Animal#1880
1 X10⁶MPC/kg Animal#3351
0.3 X10⁶MPC/kg Animal#2875
1 X10⁶MPC/kg Animal#1624
2 X10⁶MPC/kg Animal#7551
Fasting Glucose (mg/dL)
Fasting Insulin (mU/L
Months after iv MPC Infusion
▼=MPC infusion

FIGURE 8

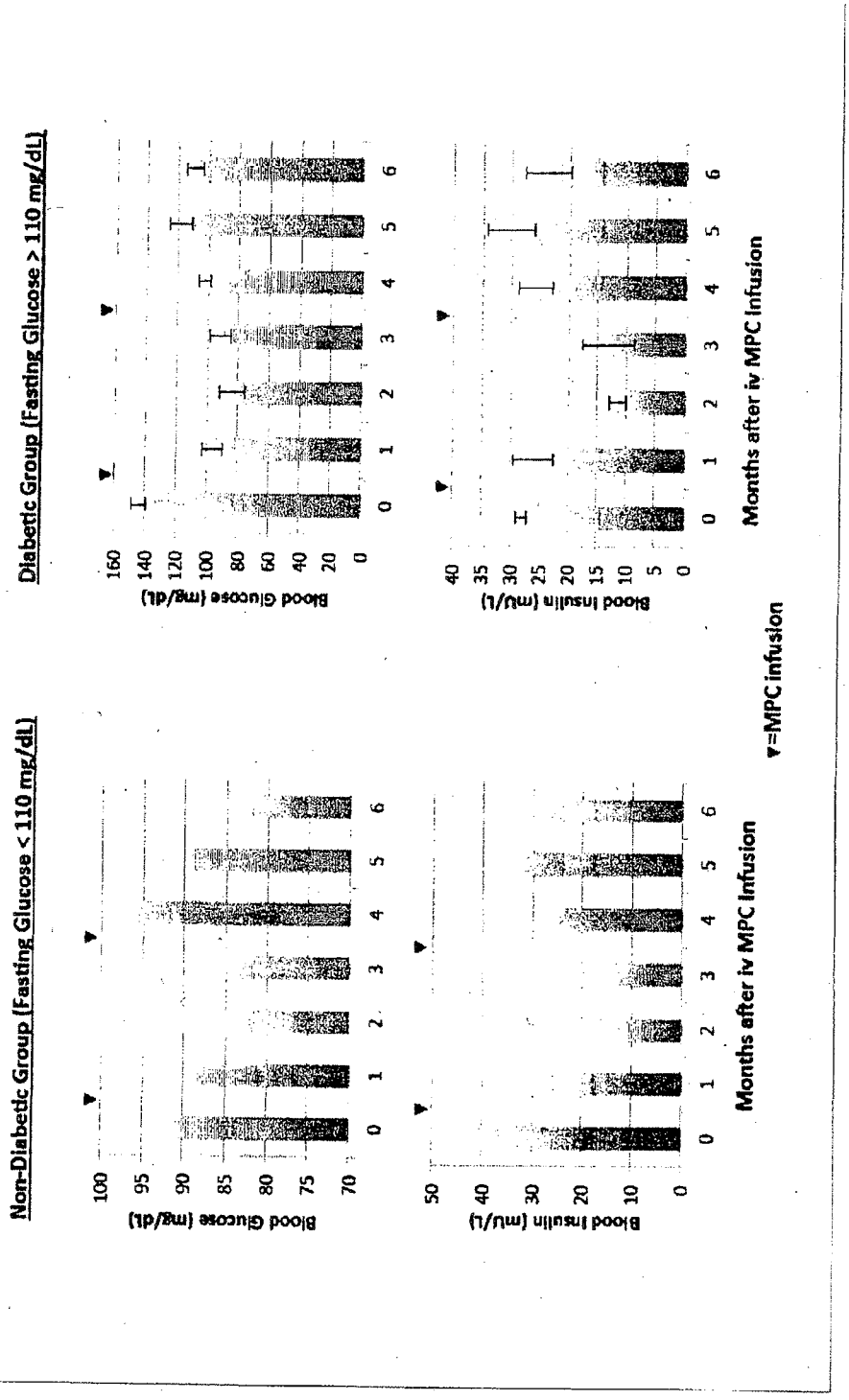

Diabetic Group (Fasting Glucose > 110 mg/dL)
Non-Diabetic Group (Fasting Glucose < 110 mg/dL)
Blood Glucose (mg/dL)
Blood Insulin (mU/L)
Months after iv MPC Infusion
▼=MPC infusion

FIGURE 9

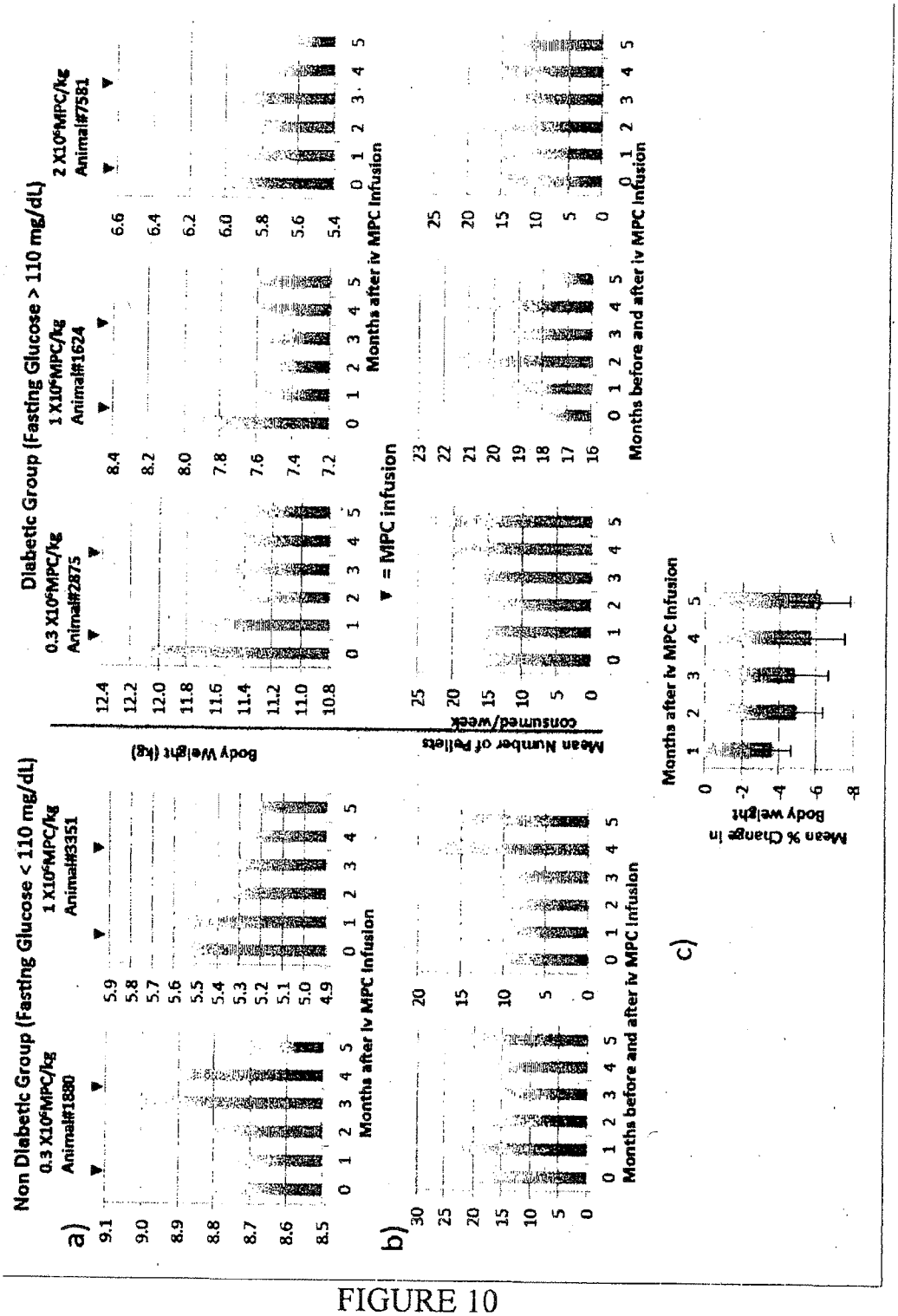

Non Diabetic Group (Fasting Glucose < 110 mg/dL)
Diabetic Group (Fasting Glucose > 110 mg/dL)
0.3 X10⁶MPC/kg
Animal#1880
1 X10⁶MPC/kg
Animal#3351
0.3 X10⁶MPC/kg
Animal#2875
1 X10⁶MPC/kg
Animal#1624
2 X10⁶MPC/kg
Animal#7581
a)
b)
c)
Body Weight (kg)
Mean Number of Pellets consumed/week
▼ = MPC infusion
Months after iv MPC Infusion
Months before and after iv MPC Infusion
Mean % Change in Body weight

FIGURE 10

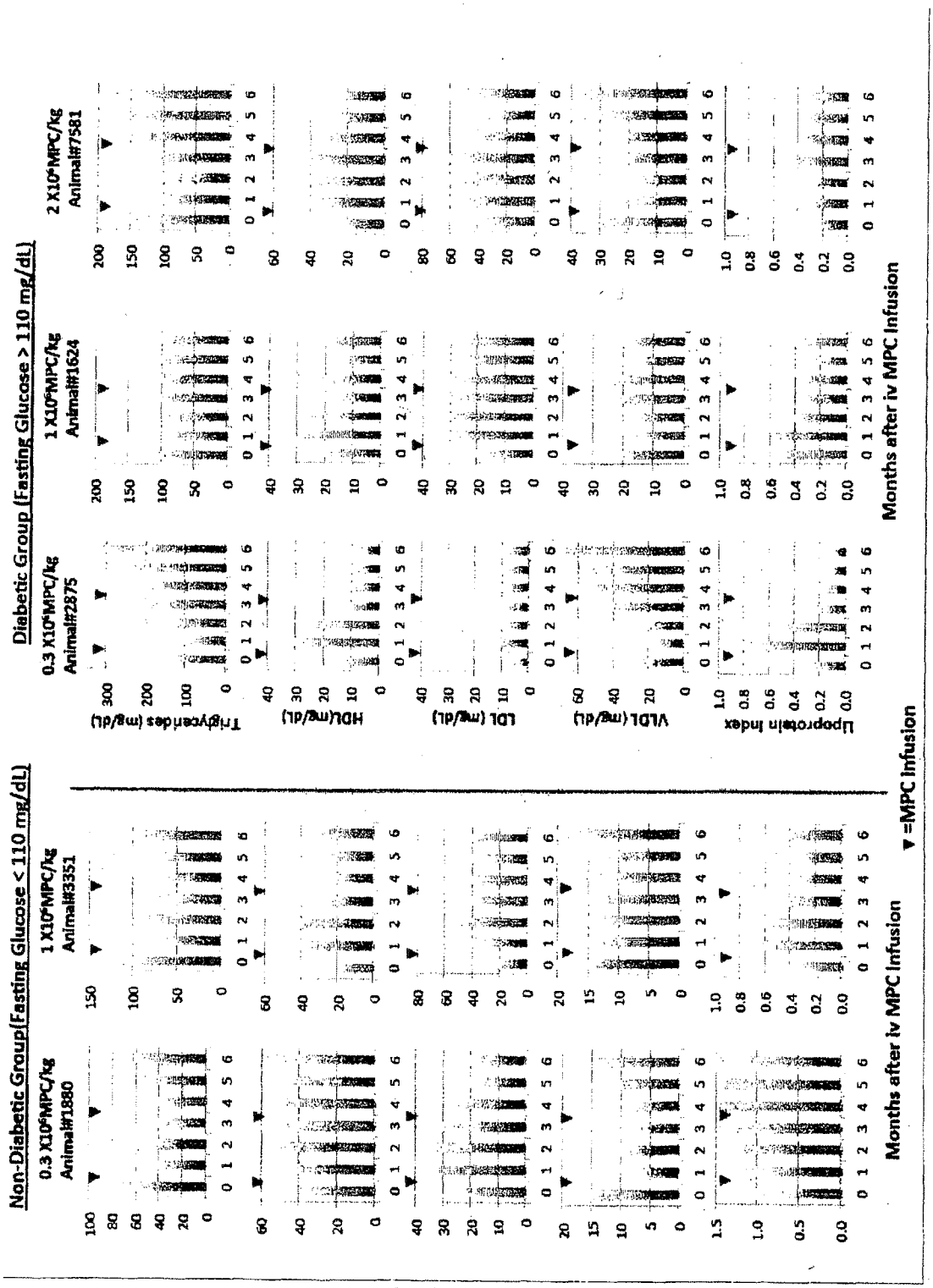

Non-Diabetic Group(Fasting Glucose < 110 mg/dL)
Diabetic Group (Fasting Glucose > 110 mg/dL)
0.3 X10⁶MPC/kg Animal#1880
1 X10⁶MPC/kg Animal#3351
0.3 X10⁶MPC/kg Animal#2875
1 X10⁶MPC/kg Animal#1624
2 X10⁶MPC/kg Animal#7581
Triglycerides (mg/dL)
HDL(mg/dL)
LDL (mg/dL)
VLDL (mg/dL)
Lipoprotein Index
Months after iv MPC Infusion
▼=MPC Infusion

FIGURE 11

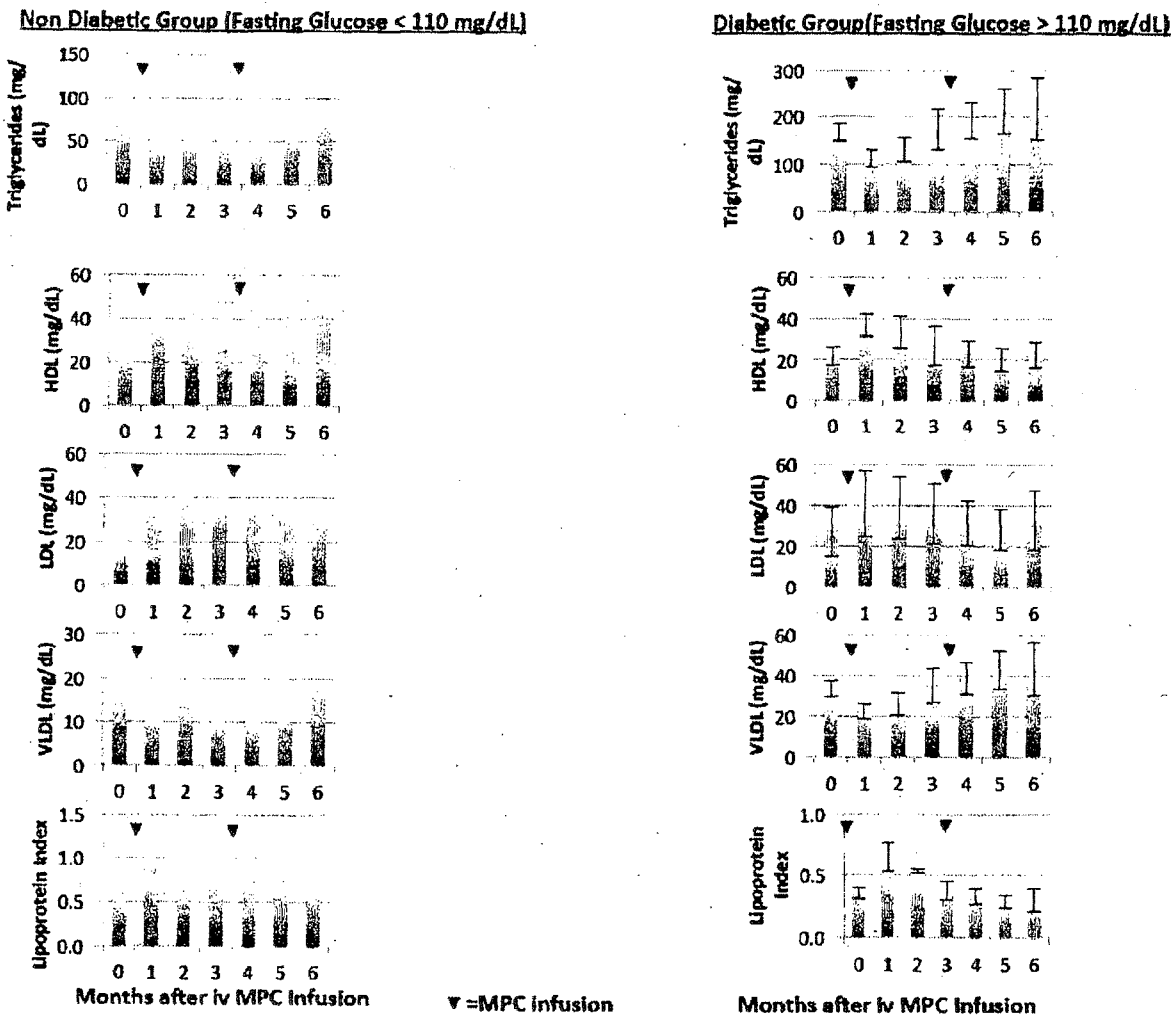

Non Diabetic Group (Fasting Glucose < 110 mg/dL)
Diabetic Group(Fasting Glucose > 110 mg/dL)
Triglycerides (mg/dL)
HDL (mg/dL)
LDL (mg/dL)
VLDL (mg/dL)
Lipoprotein Index
Months after iv MPC Infusion
▼ =MPC infusion

FIGURE 12