FIG 1

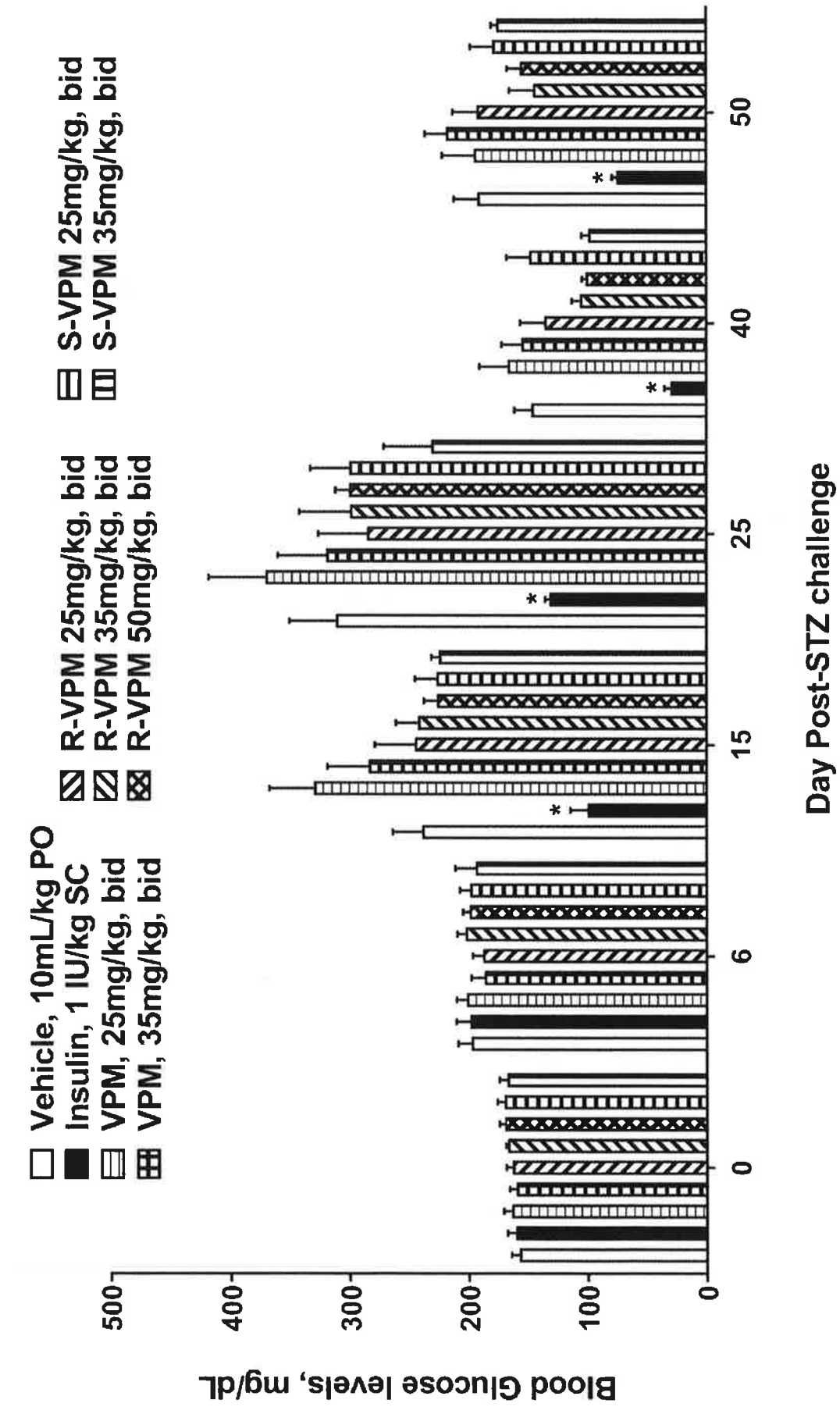

Vehicle, 10mL/kg PO
Insulin, 1 IU/kg SC
VPM, 25mg/kg, bid
VPM, 35mg/kg, bid
R-VPM 25mg/kg, bid
R-VPM 35mg/kg, bid
R-VPM 50mg/kg, bid
S-VPM 25mg/kg, bid
S-VPM 35mg/kg, bid
Blood Glucose levels, mg/dL
0
100
200
300
400
500
0
6
15
25
40
50
Day Post-STZ challenge
*

FIG 2

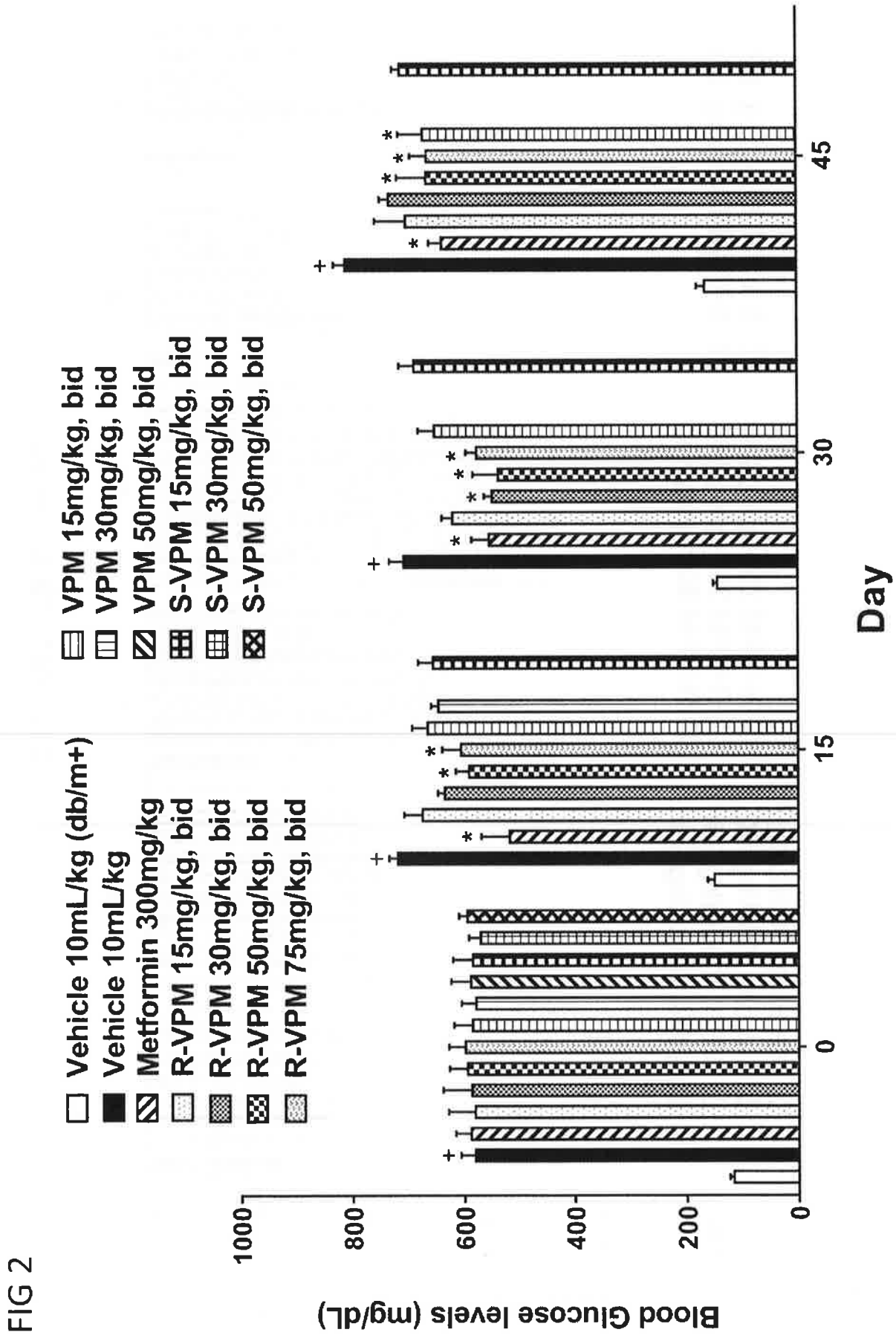

Vehicle 10mL/kg (db/m+)
Vehicle 10mL/kg
Metformin 300mg/kg
R-VPM 15mg/kg, bid
R-VPM 30mg/kg, bid
R-VPM 50mg/kg, bid
R-VPM 75mg/kg, bid
VPM 15mg/kg, bid
VPM 30mg/kg, bid
VPM 50mg/kg, bid
S-VPM 15mg/kg, bid
S-VPM 30mg/kg, bid
S-VPM 50mg/kg, bid
Blood Glucose levels (mg/dL)
0
200
400
600
800
1000
0
15
30
45
Day

FIG 3

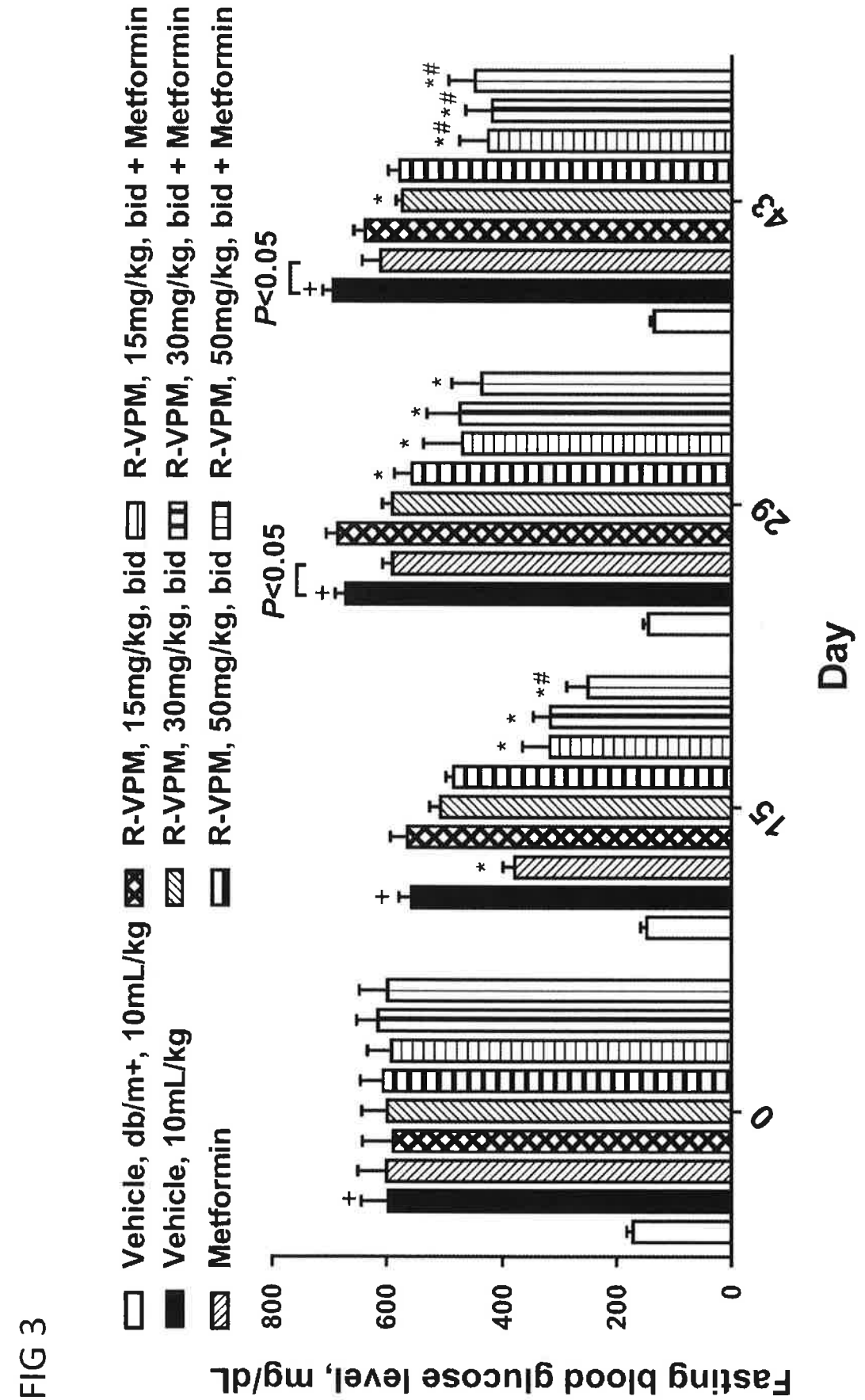
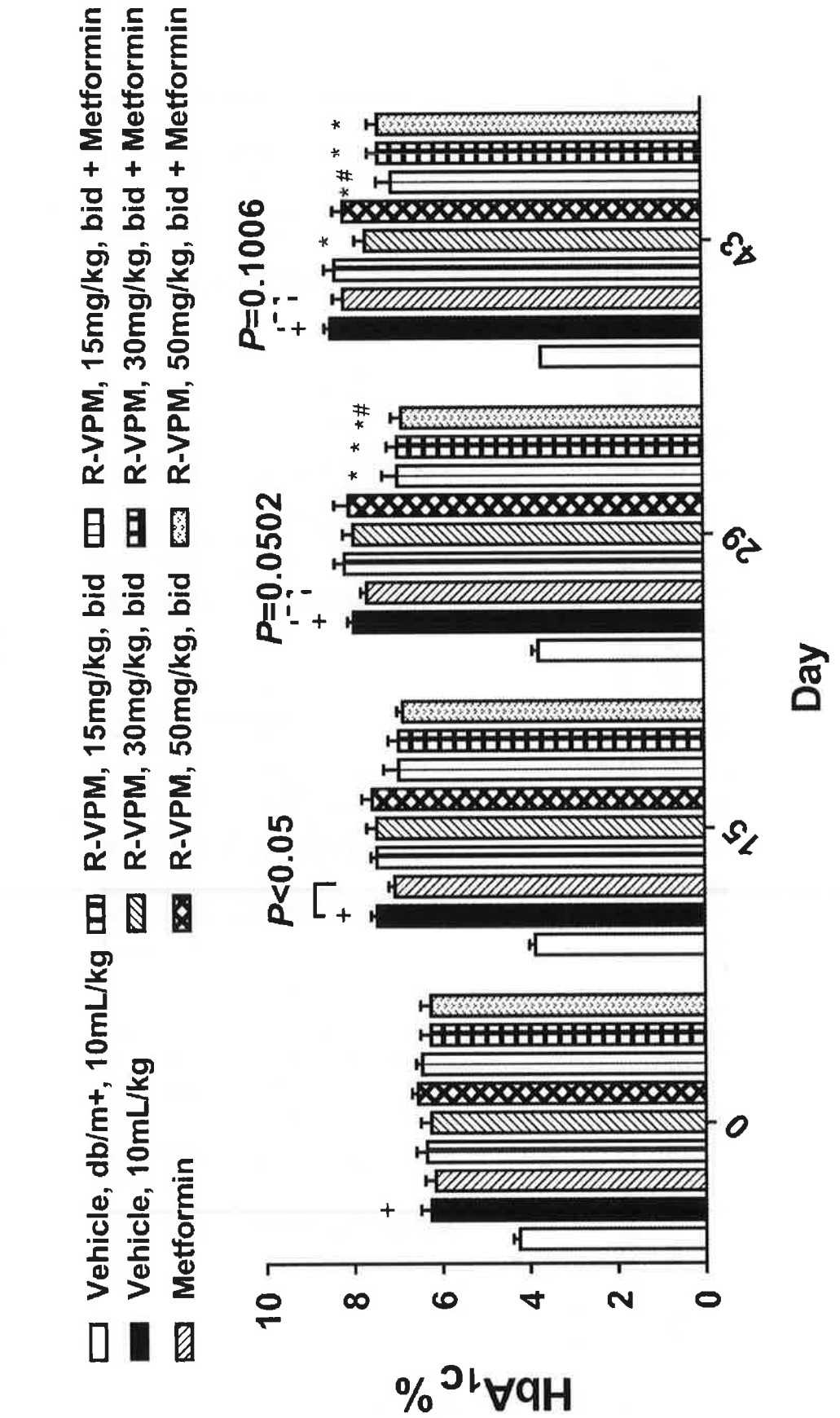

Vehicle, db/m+, 10mL/kg
Vehicle, 10mL/kg
Metformin
R-VPM, 15mg/kg, bid
R-VPM, 30mg/kg, bid
R-VPM, 50mg/kg, bid
R-VPM, 15mg/kg, bid + Metformin
R-VPM, 30mg/kg, bid + Metformin
R-VPM, 50mg/kg, bid + Metformin
P<0.05
P<0.05
Fasting blood glucose level, mg/dL
800
600
400
200
0
0
15
29
43
Day

FIG 4


Vehicle, db/m+, 10mL/kg
Vehicle, 10mL/kg
Metformin
R-VPM, 15mg/kg, bid
R-VPM, 30mg/kg, bid
R-VPM, 50mg/kg, bid
R-VPM, 15mg/kg, bid + Metformin
R-VPM, 30mg/kg, bid + Metformin
R-VPM, 50mg/kg, bid + Metformin
HbA1C %
10
8
6
4
2
0
P<0.05
P=0.0502
P=0.1006
0
15
29
43
Day