

Supplementary Table 1- Anthropometric and biochemical characteristic of the study participants by study*.

	Study 1	Study 2	Study 3	Study 4	Study 5	Study 6	Study 7	Study 8	Study 9	Range
M/W	5/25	8/11	2/11	3/8	6/7	22/0	0/39	0/7	17/23	63/131
Diabetes /no diabetes	7/23	2/17	0/13	0/11	13/0	0/22	5/34	0/7	0/40	27/167
Age (years)	46 [14]	51 [17.8]	45 [17]	42 [17]	48 [7]	65 [8]	72 [5]	51 [9]	61 [8]	20- 80
BMI (Kg/m ²)	40.9 [14.1]	27.2 [8.4]	24.0 [4.0]	22.9 [1.9]	29.6 [4.7]	27.8 [5.1]	26.9 [5.5]	29.7 [10.7]	31.5 [6.2]	19.0-50.9
HbA _{1c} (%)	5.8 [0.4]	5.6 [0.6]	5.3 [0.4]	5.3 [0.3]	5.8 [0.4]	-	5.5 [0.6]	5-5 [0.4]	5.6 [0.4]	4.9 – 7.1
HbA _{1c} (mmol/mol)	40[4]	38 [6]	34 [5]	34 [4]	40 [4]	-	37 [7]	37 [5]	38 [4]	30-54
M value (μmol·kg _{FFM} ⁻¹ ·min ⁻¹)	26.8 [42.7]	46.7 [31.4]	61.1 [26.8]	67.1 [44.9]	34.3 [19.3]	48.5 [28.2]	47.3 [27.7]	55.4 [39.1]	27.5 [22.2]	7.9 -138.2
ss-Insulin (mU·L ⁻¹)	70 [34]	64 [13]	61 [12]	68 [9]	88 [14]	71 [13]	85 [16]	76 [19]	72 [22]	25-150
ss-glucose (mmol·L ⁻¹)	4.9 [0.3]	5.1 [0.2]	5.1 [0.3]	5.2 [0.2]	4.8 [0.3]	5.0 [0.3]	5.0 [0.4]	5.0 [0.2]	5.1 [0.3]	4.0 – 6.1
ss-FFA (mmol·L ⁻¹)	0.09 [0.08]	0.05 [0.05]	0.03 [0.04]	0.02 [0.01]	0.08 [0.05]	0.07 [0.05]	0.04 [0.04]	0.03 [0.01]	0.10 [0.12]	0.01-0.58
Fasting PG (mmol·L ⁻¹)	5.5 [0.8]	5.7 [0.7]	5.3 [0.4]	5.1 [0.4]	7.0 [1.5]	6.1 [0.7]	5.9 [0.9]	5.6 [0.4]	6.0 ± 0.4	4.2 - 9.6
Fasting insulin (μU·L ⁻¹)	11 [13]	6 [5]	6 [3]	4 [3]	10 [9]	8 [6]	9 [6]	6 [4]	13 [10]	1.0 – 38.0
Early/Late study	Early	Early	Early	Late	Late	Late	Late	Late	Late	-
BGU (μmol·100g ⁻¹ ·min ⁻¹)	30.8 ± 3.8	26.6 ± 1.6	29.5 ± 2.1	20.8 ± 6.0	26.0 ± 5.3	18.7 ± 3.4	22.3 ± 3.5	17.7 ± 4.3	18.8 ± 5.2	23.4 ± 6.1

*entries are mean±SD, or Median [interquartile range], as appropriate. ss-insulin steady-state insulin, ss-glucose: steady-state plasma glucose, ss-FFA: steady-state FFA.

