

Supplement table 1 The partial correlation analysis between estimated pancreatic fat or liver fat and clinical parameters reflects islet function (controlling for sex, age, BMI and HOMA-IR).

Variables	Estimated pancreatic fat by QCT		Estimated liver fat by QCT	
	r	P	r	P
AUC _{PG}	0.022	0.838	-0.045	0.681
AUC _{INS}	0.095	0.385	0.289	0.007
MBCI	0.02	0.858	0.2	0.066
$\Delta I/\Delta G$	-0.022	0.842	-0.16	0.143
HOMA- β	0.141	0.199	0.237	0.029

AUC_{PG}, AUC for plasma glucose; AUC_{INS}, AUC for insulin; MBCI, modified β -cell function index; I, insulin; G, glucose; HOMA- β , homeostatic model assessment β .

Supplement table 2 The partial correlation analysis between estimated pancreatic fat or liver fat and clinical parameters reflects islet function (controlling for sex, age, BMI and WC).

Variables	Estimated pancreatic fat by QCT		Estimated liver fat by QCT	
	r	P	r	P
AUC _{PG}	-0.024	0.874	-0.088	0.552
AUC _{INS}	0.058	0.696	0.31	0.032
MBCI	-0.033	0.826	-0.087	0.559
$\Delta I/\Delta G$	-0.136	0.355	-0.03	0.84
HOMA- β	0.098	0.508	0.247	0.009

AUC_{PG}, AUC for plasma glucose; AUC_{INS}, AUC for insulin; MBCI, modified β -cell function index; I, insulin; G, glucose; HOMA- β , homeostatic model assessment β .

