

Figure S1. H&E staining of IPFP tissues of 2 lean and 2 obese patients with knee osteoarthritis (left and right panels, respectively). IPFP, infrapatellar fat pad.

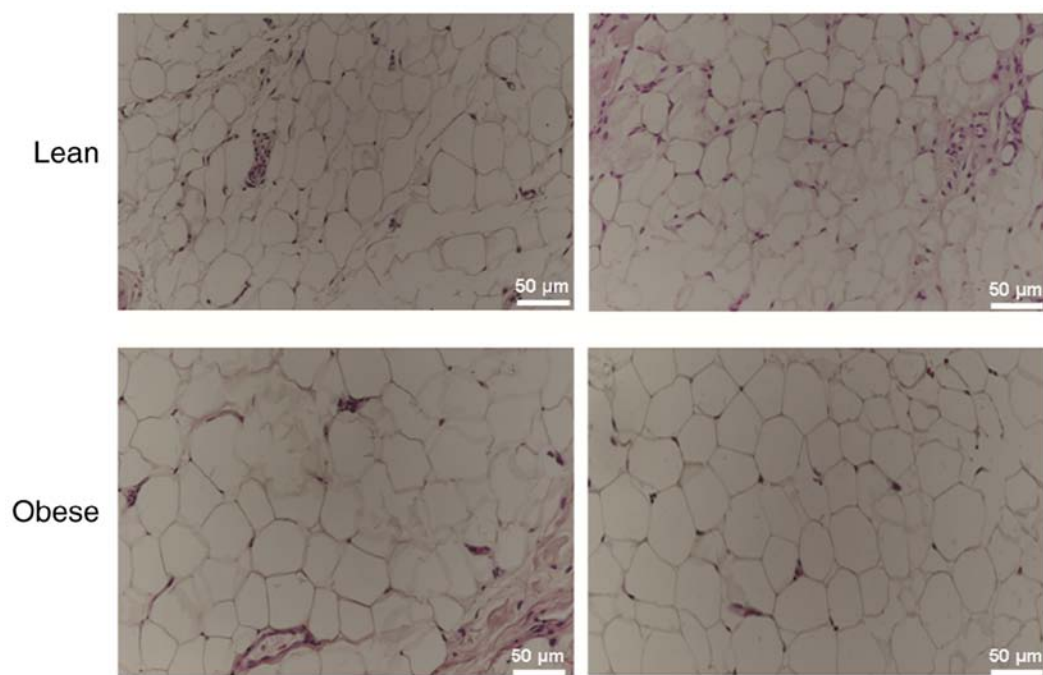


Table SI. Sequences of primers used in RT-qPCR.

Gene	Species	Forward primer	Reverse primer
GAPDH	Human	GGAAGCTTGTCATCAATGGAAATC	TGATGACCCTTTTGGCTCCC
IL-6	Human	GTAGTGAGGAACAAGCCAGAGC	TACATTTGCCGAAGAGCCCT
TNF- α	Human	TCTACTCCCAGGTCCTCTTCAAG	GGAAGACCCCTCCCAGATAGA
leptin	Human	GGACTTCATTCTCTGGGCTCC	GGAGGTTCTCCAGGTCGTTG
IL-1 β (rz)	Human	CGATCACTGAACTGCACGCTC	ACAAAGGACATGGAGAACACCACTT
ADIPOQ	Human	TGCCCCAGCAAGTGTAACC	TCAGAAACAGGCACACAACCTCA
Visfatin	Human	AGTCCAGAGGCACCACTCAT	CTGAGATATGGTGGCAGCAA
PPARG	Human	GAGATCACAGAGTACGCCAAG	GGGCTCCATAAAGTCACCAA
I κ B α	Human	AAGTGATCCGCCAGGTGAAG	GCAATTTCTGGCTGGTTGGT
p65	Human	GAGGAGCACAGATACCACCAAGA	CCAGGTTCTGGAAACTGTGGAT

Sequences are written in the 5'-3' (left to right) orientation.

Table SII. Differences in clinical characteristics and ELISA indexes between genders among all patients with knee osteoarthritis.

Variables	Males (n=10)	Females (n=22)	P-value
Age	66.20±5.39	64.86±6.91	0.593
BMI (kg/m ²)	25.61±4.02	26.95±4.31	0.413
HDL (mmol/l)	1.43±0.57	1.26±0.34	0.338
LDL (mmol/l)	2.67±0.86	3.14±1.28	0.351
VLDL (mmol/l)	0.69±1.25	0.83±1.28	0.792
CRP (mg/l)	3.28±3.68	2.65±2.48	0.599
ESR (mm/h)	14.29±13.39	22.20±19.03	0.269
IL-6 (pg/ml)			
Serum	152.85±149.00	101.16±140.94	0.381
Synovia	316.87±262.90	160.57±201.86	0.094
IL-1 β (pg/ml)			
Serum	147.45±104.11	151.17±146.91	0.946
Synovia	4.68±5.87	4.64±5.08	0.988
Leptin (pg/ml)			
Serum	37,154.32±61,717.59	21,640.37±38,573.86	0.421
Synovia	4,086.76±3,127.11	5,771.67±2,822.70	0.166
TNF- α (pg/ml)			
Serum	311.85±230.85	213.69±230.65	0.303
Synovia	18.07±16.81	20.48±25.18	0.797

BMI, body mass index; HDL, high density lipoprotein; LDL, low density lipoprotein; VLDL, very low-density lipoprotein; CRP, C-reactive protein; ESR, erythrocyte sedimentation rate. P-values were calculated using a t-test.

Table SIII. Correlations between age with clinical characteristics and ELISA indexes in all patients with knee osteoarthritis.

	BMI	HDL	LDL	VLDL	CRP	ESR	IL-6		IL-1 β		Leptin		TNF- α	
							Serum	Synovia	Serum	Synovia	Serum	Synovia	Serum	Synovia
r	-0.445 ^a	0.199	0.054	-0.054	-0.296	0.031	-0.061	0.147	0.058	0.077	0.082	-0.206	0.022	-0.142
P-value	0.011	0.301	0.779	0.780	0.119	0.871	0.757	0.455	0.768	0.696	0.680	0.293	0.912	0.470

BMI, body mass index; HDL, high density lipoprotein; LDL, low density lipoprotein; VLDL, very low-density lipoprotein; CRP, C-reactive protein; ESR, erythrocyte sedimentation rate. The values were evaluated by Spearman's rho. 'r' represents the correlation coefficient. ^aCorrelation is significant at the 0.05 level.