

Table S1. The isolation of blood cell populations obtained >90% (A) purity and (B) viability, as determined by fluorescence-activated cell sorting and Trypan Blue exclusion, respectively.

(A)

	Monocyte (CD14+)	Lymphocyte (CD14-)	Neutrophils
Monocyte (%)	94.27	0.35	1.4
Lymphocyte (%)	0.70	97.30	97.2
Neutrophil (%)	1.10	2.40	0.2

(B)

Individual	Monocyte Total	Monocyte Alive	Monocyte Alive (%)	Lymphocyte Total	Lymphocyte Alive	Lymphocyte Alive (%)	Neutrophil Total	Neutrophil Alive	Neutrophil Alive (%)
Patient 1	215000	196750	91.5	6500000	6110000	94	315000	305550	97.0
Patient 2	180000	168300	93.5	1045000	9663500	92.5	210000	199500	95.0
Patient 3	330000	300400	91.0	8400000	7686000	91.5	280000	260400	93.0
Patient 4	190000	178600	94.0	1400000	1344000	96.0	180000	174600	97.0
Patient 5	215000	195600	91.0	7200000	6624000	92.0	210000	190100	90.5
Patient 6	150000	144750	96.5	6900000	6486000	94.0	270000	264600	98.0
Patient 7	180000	165600	92.0	9050000	8597500	95.0	240000	230400	96.0
Patient 8	255000	239700	94.0	9400000	8648000	92.0	250000	233750	93.5
Patient 9	240000	228000	95.0	1300000	1254500	96.5	305000	274500	90.0
Patient 10	330000	316800	96.0	1050000	1018500	97.0	330000	306900	93.0
Patient 11	285000	279300	98.0	9800000	9212000	94.0	290000	281300	97.0
Patient 12	250000	243700	97.5	8600000	7912000	92.0	290000	269700	93.0
Patient 13	345000	327750	95.0	8100000	7614000	94.0	260000	250900	96.5
Patient 14	310000	286750	92.5	1300000	1183000	91.0	280000	268800	96.0
Patient 15	275000	262600	95.5	1200000	1176000	98.0	260000	239200	92.0

Control 1	1550000	1457000	94.0	6350000	6159500	97.0	16000000	15435000	96.5
Control 2	2100000	2016000	96.0	4800000	4560000	95.0	17000000	16240000	95.5
Control 3	1400000	1351000	96.5	7100000	6958000	98.0	23000000	22310000	97.0
Control 4	1700000	1564000	92.0	8300000	8175500	98.5	14500000	13630000	94.0
Control 5	1850000	1739000	94.0	5850000	5674500	97.0	19500000	19305000	99.0
Control 6	2100000	2016000	96.0	6200000	5952000	96.0	24000000	23520000	98.0
Control 7	2100000	2005500	95.5	9200000	8832000	96.0	21000000	20370000	97.0
Control 8	1800000	1773000	98.5	3700000	3478000	94.0	21000000	20265000	96.5
Control 9	1550000	1519000	98.0	6100000	5734000	94.0	18000000	16920000	94.0
Control 10	2405000	2212650	92.0	5550000	5383500	97.0	16000000	14960000	93.5

Table S2. Details of (A) co-morbidities and (B) BMI from AP patients.

(A)		
Patient	Charlson Comorbidity Index (CCI)	Co-morbidities
AP779	3	Type 2 Diabetes, asthma
AP784	9	Type 2 Diabetes Mellitus, hypertension, Chronic Kidney Disease, Chronic Obstructive Airways Disease, Hiatus Hernia, Osteoarthritis
AP785	5	Benign Prostatic Hyperplasia, Chronic Obstructive Airways Disease (Home Nebuliser), Hypertension, Giant Cell Arteritis
AP788	0	
AP796	2	Cervical Cancer (in remission after Total Abdominal Hysterectomy)
AP797	2	Benign Prostatic Hyperplasia
AP799	0	
AP805	4	Hypertension, Hypothyroidism
AP806	5	Alcoholic Liver Disease (Liver Cirrhosis)
AP812	0	
AP821	0	Depression
AP828	7	Hypertension, Type 2 Diabetes Mellitus, Chronic Kidney Disease, Osteoarthritis
AP837	5	Hypertension, Peptic Ulcer Disease, Osteoarthritis
AP839	1	Anxiety and Depression
AP842	2	
(B)		
Patient		BMI (Kg/m ²)
AP779		38.94

AP784	27.22
AP785	28.72
AP788	31.93
AP796	21
AP797	24.99
AP799	22.90
AP805	36.52
AP806	29.48
AP812	Not available
AP821	Not available
AP828	33.00
AP837	23.39
AP839	41.52
AP842	21.55