

Supplemental Table 1. Comparison of main characteristics between matched and unmatched patients: HIV-1 infected subjects

	Matched	Unmatched	
	N=189	N=50	
	Estimate	Estimate	p-value
Age, years	49.6 (±8.0)	39.7 (±5.3)	<0.001
Gender, women (%)	40 (21.2%)	42 (84.0%)	<0.001
Smoking status			
Never smoker (%)	80 (42.3%)	22 (44.0%)	0.603
Former smoker (%)	38 (20.1%)	7 (14.0%)	
Current smoker (%)	71 (37.6%)	21 (42.0%)	
Pack-years of cigarettes	12.3 (±14.9)	9.3 (±13.8)	0.204
Smoking / Pack-years status			
Never smokers or <10 Pack-years	103 (54.5%)	35 (70.0%)	0.093
>10 Pack-years, former smokers	29 (15.3%)	3 (6.0%)	
>10 Pack-years, current smokers	57 (30.2%)	12 (24.0%)	
BMI, kg/m ²	24.1 (±3.9)	24.5 (±5.7)	0.602
Obesity	18 (9.6%)	10 (20.0%)	0.042
Dyslipidemia	76 (42.0%)	13 (26.5%)	0.049
Diabetes	8 (4.4%)	0 (0.0%)	0.208
Systolic blood pressure, mmHg	121.7 (±14.2)	116.6 (±10.5)	0.020
Diastolic blood pressure, mmHg	76.7 (±9.7)	74.8 (±8.8)	0.202
HTA	27 (14.8%)	3 (6.1%)	0.150
FEV1, % predicted	98.4 (±17.3)	93.3 (±12.5)	0.054
FEV1/FVC	81.5 (±7.8)	85.4 (±8.4)	0.003
Pulse-wave velocity, m/s	10.2 (9.5;11.6)	9.7 (8.8;10.4)	<0.001
BMD total lumbar, g/cm ²	1.1 (±0.2)	1.2 (±0.2)	0.048
ASMI, Kg/m ²	7.7 (±1.3)	6.9 (±1.4)	0.001
Sarcopenia (%)	41 (22.8%)	0 (0.0%)	0.001
HOMA-IR	2.3 (1.5;3.3)	2.0 (±1.3)	0.033
Time since HIV diagnosis, years	12.6 (8.7;18.4)	11.4 (8.9;17.6)	0.477
History of AIDS (%)	51 (27.0%)	10 (20.0%)	0.314
Nadir CD4+ cell count, cells/mm ³	142.0 (35.0;244.0)	177.0 (102.0;272.5)	0.123
CD4+ cell count, cells/mm ³	237.5 (79.0;404.0)	292.5 (148.0;488.0)	0.145
CD8+ cell count, cells/mm ³	645.0 (478.0;842.0)	572.5 (393.0;750.0)	0.053
CD4+/CD8+ ratio	0.8 (0.6;1.1)	1.0 (0.8;1.2)	0.045

Results are mean (±standard deviation), median (interquartile range) or N(%)

Supplemental Table 2. Comparison of main characteristics between matched and unmatched patients: controls

	Matched	Unmatched	
	N=189	N=201	
	Estimate	Estimate	p-value
Age, years	50.0 (±8.4)	59.8 (±7.1)	<0.001
Gender, women (%)	40 (21.2%)	95 (47.3%)	<0.001
Smoking status			
Never smoker (%)	101 (53.4%)	94 (47.5%)	0.487
Former smoker (%)	39 (20.6%)	48 (24.2%)	
Current smoker (%)	49 (25.9%)	56 (28.3%)	
Pack-years of cigarettes	12.7 (±18.3)	14.7 (±20.2)	0.318
Smoking / Pack-years status			
Never smokers or <10 Pack-years	111 (58.7%)	109 (54.2%)	0.601
>10 Pack-years, former smokers	32 (16.9%)	41 (20.4%)	
>10 Pack-years, current smokers	46 (24.3%)	51 (25.4%)	
BMI, kg/m ²	26.9 (±3.6)	26.6 (±4.0)	0.477
Obesity	35 (18.6%)	33 (16.6%)	0.599
Dyslipidemia	53 (30.5%)	38 (19.9%)	0.020
Diabetes	3 (1.6%)	5 (2.5%)	0.725
Systolic blood pressure, mmHg	120.3 (±14.4)	125.4 (±14.6)	0.001
Diastolic blood pressure, mmHg	78.4 (±8.6)	76.2 (±8.2)	0.013
HTA	19 (11.7%)	29 (15.3%)	0.315
FEV1, % predicted	101.5 (±15.3)	101.5 (±18.6)	0.996
FEV1/FVC	81.8 (±6.5)	80.0 (±7.2)	0.017
Pulse-wave velocity, m/s	10.5 (9.4;11.6)	11.1 (9.8;12.8)	0.003
BMD total lumbar, g/cm ²	1.2 (±0.2)	1.2 (±0.2)	0.868
ASMI, Kg/m ²	8.2 (±1.3)	7.7 (±1.3)	<0.001
Sarcopenia (%)	4 (2.7%)	0 (0.0%)	0.042
HOMA-IR	2.0 (1.3;3.5)	2.0 (1.3;3.0)	0.681

Results are mean (±standard deviation), median (interquartile range) or N(%)

Supplemental Table 3. Unadjusted and adjusted means of ageing-related parameters according to smoking and HIV+ status

			Unadjusted mean ($\pm$ SD)	Adjusted mean ($\pm$ SE)
FEV₁	Controls	<10 PY	101.8 ($\pm$ 14.7)	101.7 ($\pm$ 1.7)
		>10 PY		
		Former smokers	103.3 ($\pm$ 17.9)	103.0 ($\pm$ 3.1)
		Current smokers	99.9 ($\pm$ 15.1)	99.9 ($\pm$ 2.5)
	HIV	<10 PY	100.2 ($\pm$ 14.8)	100.3 ($\pm$ 1.6)
		>10 PY		
		Former smokers	101.6 ($\pm$ 14.4)	101.2 ($\pm$ 3.1)
		Current smokers	93.6 ($\pm$ 21.6)	93.7 ($\pm$ 2.2)
BMD Hip	Controls	<10 PY	1.04 ($\pm$ 0.17)	1.04 ($\pm$ 0.02)
		>10 PY		
		Former smokers	1.04 ($\pm$ 0.08)	1.04 ($\pm$ 0.03)
		Current smokers	1.00 ($\pm$ 0.17)	1.02 ($\pm$ 0.02)
	HIV	<10 PY	1.01 ($\pm$ 0.16)	1.01 ($\pm$ 0.01)
		>10 PY		
		Former smokers	0.96 ($\pm$ 0.16)	0.96 ($\pm$ 0.03)
		Current smokers	0.93 ($\pm$ 0.13)	0.92 ($\pm$ 0.02)
ASMI	Controls	<10 PY	8.30 ($\pm$ 1.20)	8.24 ($\pm$ 0.11)
		>10 PY		
		Former smokers	8.68 ($\pm$ 1.24)	8.51 ($\pm$ 0.23)
		Current smokers	7.73 ($\pm$ 1.31)	8.15 ($\pm$ 0.17)
	HIV	<10 PY	7.96 ($\pm$ 1.40)	8.01 ($\pm$ 0.11)
		>10 PY		
		Former smokers	7.66 ($\pm$ 1.20)	7.52 ($\pm$ 0.20)
		Current smokers	7.34 ($\pm$ 1.16)	7.19 ($\pm$ 0.14)
PWV	Controls	<10 PY	10.5 ($\pm$ 1.6)	10.5 ($\pm$ 0.2)
		>10 PY		
		Former smokers	11.1 ($\pm$ 1.8)	10.9 ($\pm$ 0.3)
		Current smokers	10.9 ($\pm$ 1.7)	10.7 ($\pm$ 0.3)
	HIV	<10 PY	10.7 ($\pm$ 2.0)	10.7 ($\pm$ 0.2)
		>10 PY		
		Former smokers	11.4 ($\pm$ 3.2)	11.1 ($\pm$ 0.3)
		Current smokers	10.4 ($\pm$ 1.7)	10.6 ($\pm$ 0.2)
HOMA-R	Controls	<10 PY	2.95 ($\pm$ 4.13)	3.00 ($\pm$ 0.31)
		>10 PY		
		Former smokers	3.93 ($\pm$ 3.74)	3.82 ($\pm$ 0.55)
		Current smokers	2.34 ($\pm$ 1.71)	2.28 ($\pm$ 0.49)
	HIV	<10 PY	2.83 ($\pm$ 2.00)	2.85 ($\pm$ 0.30)
		>10 PY		
		Former smokers	3.75 ($\pm$ 4.28)	3.55 ($\pm$ 0.57)
		Current smokers	2.29 ($\pm$ 1.77)	2.38 ($\pm$ 0.40)
eGFR (Cockcroft)	Controls	<10 PY	101.5 ($\pm$ 25.2)	99.7 ($\pm$ 2.2)
		>10 PY		
		Former smokers	106.0 ($\pm$ 25.5)	107.1 ($\pm$ 4.0)
		Current smokers	103.0 ($\pm$ 24.8)	107.3 ($\pm$ 3.6)
	HIV	<10 PY	95.7 ($\pm$ 24.2)	96.2 ($\pm$ 2.2)
		>10 PY		
		Former smokers	96.2 ($\pm$ 30.0)	100.2 ($\pm$ 4.1)
		Current smokers	98.8 ($\pm$ 25.5)	95.7 ($\pm$ 3.0)

**Mixed effects linear regression model adjusted for age and gender*

SD: standard deviation; SE: standard error