

Supplemental table

Table S1. Routine laboratory parameters at baseline

	N*. With available data n (%)	SSc patients presented as median (interquartile range)
White blood cells, G/L	343 (92)	6.6 (5.5 ; 7.9)
Hemoglobin, g/dL	358 (96)	13.3 (12.5 ; 14.1)
Neutrophils, G/L	341 (91.6)	4.0 (3.1 ; 5.0)
Monocytes, G/L	341 (91.6)	0.6 (0.4 ; 0.7)
Lymphocytes, G/L	342 (91.9)	1.7 (1.2 ; 2.1)
Eosinophils, G/L	341 (91.6)	0.2 (0.1 ; 0.2)
Basophils, G/L	340 (91.4)	0.0 (0.0 ; 0.1)
Platelets, G/L	342 (91.9)	256.0 (216.0 ; 302.0)
AST, UI/L	337 (90.6)	21.0 (18.0 ; 26.0)
ALT, UI/L	338 (90.8)	16.0 (12.0 ; 21.0)
GGT, UI/L	334 (89.7)	21.0 (14.0 ; 38.0)
ALP, UI/L	339 (91.1)	64.0 (52.0 ; 85.0)
Total bilirubin, mg/L	333 (89.5)	4.0 (3.0 ; 5.0)
Serum sodium, mmol/L	343 (92.2)	140.0 (139.0 ; 142.0)
Serum potassium, mmol/L	342 (91.9)	4.2 (4.0 ; 4.4)
Urea, g/L	344 (92.4)	0.3 (0.3 ; 0.4)
Creatinin, mg/L	361 (97)	8.0 (7.0 ; 9.0)
Albumin, g/L	323 (86.8)	41.0 (38.8 ; 43.0)
A1globulins, g/L	291 (78.2)	2.9 (2.6 ; 3.2)
A2globulins, g/L	291 (78.2)	7.6 (6.8 ; 8.3)
Beta globulins, g/L	291 (78.2)	7.7 (7.1 ; 8.4)
Gammaglobulins, g/L	291 (78.2)	9.9 (8.2 ; 12.1)
CRP, mg/L	360 (96.7)	3.0 (3.0 ; 4.0)
ESR, mm/h	315 (84.6)	11.0 (6.0 ; 19.0)
Uric acid, mg/L	349 (93.8)	48.0 (39.0 ; 57.0)
Ferritin, ng/mL	336 (90.3)	70.5 (33.0 ; 142.0)
NT pro BNP, ng/L	352 (94.6)	92.0 (55.0 ; 206.0)

Values are presented as median (interquartile range [IQR]). N* number. SSc : systemic sclerosis; CRP : c-reactive protein; ESR : erythrocyte sedimentation rate; ALP : alkaline phosphatase, AST : aspartate aminotransferase, ALT : alanine aminotransferase, GGT : gammaglutamyltranspeptidase; NT pro BNP : N-terminal pro-brain natriuretic peptide; A1 globulins : alpha 1 globulins; A2 globulins : Alpha2 globulins; G/L Giga/Liter.

Table S2. Follow up data at T1 12 (9.0; 15.0) months

N*. With available data n (%)		
mRSS	372 (100)	3.0 (1.0; 6.0)
Relative progression of mRSS ^{\$}	372 (100)	0.0 (-25.0; 16.7)
FVC (%)	367 (99)	105.0 (93.0; 116.0)
Relative decline of FVC ^{\$}	366 (98%)	-2.0 (-5.0; 1.8)
DLCO (%)	368 (98%)	72.0 (59.0; 83.0)
Relative decline of DLCO ^{\$}	366 (98%)	-1.8 (-8.3; 4.2)

Values are presented as median (interquartile range). Modified Rodnan skin score; %FVC forced vital capacity (% predicted value); % DLCO diffusing capacity for the lung of carbon monoxide (% predicted value). N * Number.

^{\$}Relative progression of mRSS as follows: $[(mRSS \text{ at } T1 - mRSS \text{ at } T0) / (mRSS \text{ at } T0)] \times 100$. Relative decline of FVC and DLCO as follows: $[(FVC \text{ at } T1 - FVC \text{ at } T0) / (FVC \text{ at } T0)] \times 100$ and $[(DLCO \text{ at } T1 - DLCO \text{ at } T0) / (DLCO \text{ at } T0)] \times 100$.

Table S3. Correlation between routine laboratory parameters and modified Rodnan Skin Score (mRSS)

Biological parameters	correlation coefficient	* P
White blood cells	0.07	0.17
Monocytes	0.13	0.013
Neutrophils	0.07	0.22
Eosinophils	0.01	0.88
Lymphocytes	-0.02	0.71
Basophils	-0.05	0.36
Hemoglobin	-0.05	0.34
Platelets	0.05	0.35
CRP	0.08	0.14
ESR	0.01	0.89
NT pro BNP	0.07	0.19
Ferritin	-0.01	0.99
Uric acid	0.05	0.33
AST	-0.05	0.38
ALT	-0.03	0.60
ALP	0.02	0.76
GGT	0.03	0.58
Total bilirubin	-0.10	0.06
Serum sodium	-0.01	0.85
Serum potassium	0.08	0.15
Urea	0.03	0.54
Creatinin	-0.06	0.22
A1globulins	0.10	0.08
A2globulins	0.09	0.11
Betoglobulins	0.07	0.26
Gammaglobulins	0.01	0.83
Albumin	-0.13	0.016 *

CRP C reactive protein. ESR Erythrocyte Sedimentation Rate. ALP Alkaline phosphatase, AST aspartate aminotransferase, ALT alanine aminotransferase, GGT gammaglutamyltranspeptidase. NT pro BNP N-terminal pro-brain natriuretic peptide. A1 globulins alpha 1 globulins, A2 globulins Alpha2 globulins. Pvalue<0.05. * **Confirmed in multivariate analysis.**

Table S4A. Correlation between routine laboratory parameters and forced vital capacity (FVC %)

Biological parameters	correlation coefficient	[*] P
White blood cells	-0.17	0.002
Monocytes	-0.22	<0.001
Neutrophils	-0.18	0.001
Eosinophils	-0.01	0.83
Lymphocytes	0.01	0.94
Basophils	-0.04	0.41
Hemoglobin	0.04	0.43
Platelets	-0.06	0.26
CRP	-0.24	[*] <0.001
ESR	-0.16	0.006
NT pro BNP	-0.10	0.05
Ferritin	-0.06	0.31
Uric acid	-0.02	0.78
AST	-0.01	0.93
ALT	-0.05	0.40
ALP	-0.03	0.95
GGT	-0.15	0.006
Total bilirubin	0.02	0.65
Serum sodium	0.08	0.16
Serum potassium	0.03	0.55
Urea	0.10	0.07
Creatinin	-0.04	0.50
A1globulins	-0.30	<0.001
A2globulins	-0.19	0.001
Betoglobulins	-0.21	[*] 0.003
Gammaglobulins	-0.19	[*] 0.009
Albumin	0.20	0.002

%FVC forced vital capacity (% predicted value). CRP C reactive protein. ESR Erythrocyte Sedimentation Rate. ALP Alkaline phosphatase, AST aspartate aminotransferase, ALT alanine aminotransferase, GGT gammaglutamyltranspeptidase. NT pro BNP N-terminal pro-brain natriuretic peptide. A1 globulins alpha 1 globulins, A2 globulins Alpha2 globulins. p value<0.05. ^{*} **Confirmed in multivariate analysis.**

Table S4B. Correlation between routine laboratory parameters and carbon monoxide lung diffusion capacity (DLCO%)

Biological parameters	correlation coefficient	[*] P
White blood cells	-0.23	<0.001
Monocytes	-0.23	[*] <0.001
Neutrophils	-0.20	[*] 0.002
Eosinophils	-0.04	0.46
Lymphocytes	-0.05	0.94
Basophils	-0.04	0.48
Hemoglobin	0.25	[*] <0.001
Platelets	-0.05	0.38
CRP	-0.25	<0.001
ESR	-0.29	<0.001
NT pro BNP	-0.29	[*] <0.001
Ferritin	-0.02	0.76
Uric acid	-0.12	0.022
AST	-0.06	0.29
ALT	0.01	0.82
ALP	-0.17	0.001
GGT	-0.12	0.034
Total bilirubin	0.12	0.025
Serum sodium	0.06	0.29
Serum potassium	-0.04	0.47
Urea	-0.07	0.19
Creatinin	-0.10	0.05
A1globulins	-0.32	<0.001
A2globulins	-0.25	<0.001
Betoglobulins	-0.06	0.32
Gammaglobulins	-0.08	0.20
Albumin	0.32	[*] <0.001

% Dlco diffusing capacity for the lung of carbon monoxide (% predicted value). CRP C reactive protein. ESR Erythrocyte Sedimentation Rate. ALP Alkaline phosphatase, AST aspartate aminotransferase, ALT alanine aminotransferase, GGT gammaglutamyltranspeptidase. NT pro BNP N-terminal pro-brain natriuretic peptide. A1 globulins alpha 1 globulins, A2 globulins

^{*}
Alpha2 globulins. p value<0.05. **Confirmed in multivariate analysis.**

Table S5. Correlation between routine laboratory parameters and relative progression of modified Rodnan Skin Score[£] (mRSS)

Biological parameters	correlation coefficient	[*] P
White blood cells	0.13	0.16
Monocytes	0.19	0.037
Neutrophils	0.08	0.38
Eosinophils	-0.11	0.24
Lymphocytes	0.12	0.18
Basophils	0.09	0.35
Hemoglobin	-0.06	0.50
Platelets	-0.03	0.71
CRP	0.01	0.93
ESR	-0.01	0.99
NT pro BNP	0.24	0.01
Ferritin	0.02	0.82
Uric acid	0.04	0.66
AST	-0.08	0.37
ALT	-0.16	0.09
ALP	-0.12	0.19
GGT	-0.01	0.88
Total bilirubin	0.08	0.39
Serum sodium	-0.01	0.94
Serum potassium	-0.13	0.15
Urea	0.11	0.24
Creatinin	0.11	0.26
A1globulins	0.12	0.18
A2globulins	0.12	0.19
Betoglobulins	-0.05	0.61
Gammaglobulins	0.01	0.98
Albumin	0.01	0.88

[£]Relative progression of mRSS as follows is defined as follows: $[(mRSS \text{ at } T1 - mRSS \text{ at } T0) / (mRSS \text{ at } T0)] \times 100$. CRP C reactive protein. ESR Erythrocyte Sedimentation Rate. ALP Alkaline phosphatase, AST aspartate aminotransferase, ALT alanine aminotransferase, GGT gammaglutamyltranspeptidase. NT pro BNP N-terminal pro-brain natriuretic peptide. A1 globulins alpha

^{*} **Confirmed in multivariate analysis.**
1 globulins, A2 globulins Alpha2 globulins; p value<0.05.

Table S6. Correlation between routine laboratory parameters and relative progression of carbon monoxide lung diffusion capacity [£] (DLCO%)

Biological parameters	Correlation coefficient	[*] P
White blood cells	-0.08	0.28
Monocytes	-0.12	0.12
Neutrophils	-0.08	0.31
Eosinophils	-0.09	0.26
Lymphocytes	-0.02	0.77
Basophils	-0.01	0.91
Hemoglobin	-0.03	0.66
Platelets	0.18	[*] 0.022
CRP	-0.01	0.99
ESR	-0.07	0.38
NT pro BNP	-0.07	0.35
Ferritin	-0.01	0.88
Uric acid	-0.13	0.09
AST	-0.05	0.51
ALT	0.03	0.72
ALP	-0.02	0.80
GGT	0.07	0.37
Total bilirubin	0.01	0.99
Serum sodium	0.11	0.15
Serum potassium	-0.14	0.08
Urea	-0.02	0.83
Creatinin	-0.02	0.80
A1globulins	0.09	0.30
A2globulins	-0.04	0.65
Betoglobulins	0.10	0.22
Gammaglobulins	0.04	0.67
Albumin	0.22	[*] 0.007

[£]Relative progression of FVC and DLCO as follows: $[(DLCO \text{ at } T1 - DLCO \text{ at } T0) / (DLCO \text{ at } T0)] \times 100$. CRP C reactive protein. ESR Erythrocyte Sedimentation Rate. ALP Alkaline phosphatase, AST asparate aminotransferase, ALT alanine aminotransferase, GGT gammaglutamyltranspeptidase. NT pro BNP N-terminal pro-brain natriuretic peptide. A1 globulins alpha

1 globulins, A2 globulins Alpha2 globulins. p value<0.05. ^{*} **Confirmed in multivariate analysis.**