

Table S1. Patient profile

Patient	Age, years/ Sex	Duration, months	Location	Clinical findings	Pathology	CD123+ cells, %	DIF	Laboratory findings	Diagnosis	Treatment	Clinical response to treatment
1	47/F	24	Right upper arm	Indurated erythema	Type 1	31.3	Negative	FANA(+)	CLE	PD 25 mg	No erythema, Induration: R
2	58/M	3	Both upper arms, back	Indurated erythema	Type 1	21.7	Negative	FANA(+)	ILE I	PD 30 mg	No erythema, Induration: R
3	14/M	24	Head	Indurated plaques, alopecia	Type 1	8.2	IgM+	None	CLE	PD 20 mg	Hair growth(+), Induration: R
4	30/F	72	Head	Depression, alopecia	Type 1, Mucin+	13.0	Negative	None	ILE I	PD 20 mg	Hair growth(+), Induration: R
5	52/F	168	Left cheek	Indurated plaques	Type 1	N/A	N/A	None	ILE I	PD 25 mg	R
6	55/F	5	Back	Subcutaneous nodules	Type 1	N/A	IgM+	None	ILE II	PD 25 mg	R
7	16/F	5	Both upper arms	Indurated erythema	Type 1, Mucin+	23.0	C3+	FANA(+), Anti-dsDNA(+)	SLE II	PD 25 mg + Mizoribine 150 mg	No erythema, Induration: R
8	13/F	16	Head	Indurated erythema	Type 1, Mucin+	23.5	IgM, C3+	FANA(+)	ILE I	PD 15 mg	No erythema, Induration: R
9	51/F	2	Left knee, right ankle	Indurated erythema	Type 1, Mucin+	7.3	C3+	FANA(+), Anti-dsDNA(+)	SLE I	PD 25 mg	No erythema, Induration: R
10	34/F	3	Left upper arm	Indurated erythema	Type 1, Mucin+	N/A	Negative	FANA(+)	CLE	PD 20 mg	No erythema, Induration: R
11	35/F	1	Left cheek, neck	Indurated plaques with erythema	Type 1	29.7	N/A	FANA(+), Anti-dsDNA(+)	SLE II	PD 25 mg	No erythema, Induration: R
12	14/F	1	Foot	Scaly plaques with erythema	Type 1, Mucin+	8.8	IgM+	FANA(+)	ILE I	Topical steroid	No erythema, Hair growth(+), Induration: R
13	12/F	5	Head	Indurated erythema, alopecia	Type 2	2.7	IgM+	None	CLE	PD 30 mg	No erythema, Hair growth(+), Induration: R
14	34/F	2	Right upper arm	Subcutaneous nodules	Type 2	N/A	N/A	None	SLE I	PD 20 mg	R
15	39/F	12	Right upper arm, thigh	Atrophic indurated plaques	Type 2, Mucin+	0.9	IgM+, C3+	FANA(+)	SLE II	PD 17.5 mg	nc
16	48/M	Several years	Head	Alopecia	Type 2	19.2	N/A	None	CLE	PD 30 mg	PR, Hair growth(+)
17	59/F	2	Head	Indurated plaques, alopecia	Type 2	2.6	IgM+	FANA(+)	ILE I	PD 15 mg	nc
18	35/F	48	Both upper arms	Indurated plaques	Type 2	14.1	N/A	None	CLE	PD 25 mg	nc
19	58/F	3	Buttocks, right thigh	Indurated plaques	Type 2	14.0	Negative	FANA(+)	ILE I	PD 25 mg	Induration: R
20	40/F	7	Right upper arm	Indurated plaques	Type 3	1.8	Negative	None	CLE	PD 25 mg	No erythema, Induration: R
21	41/F	4	Left upper arm	Depression with erythema	Type 3	4.6	Negative	FANA(+)	ILE I	PD 25 mg	No erythema, Depression: nc
22	23/F	2	Left upper arm	Depression with erythema	Type 3, Mucin+	4.8	Negative	FANA(+)	CLE	Topical steroid	R
23	39/F	5	Both upper arms, left thigh	Erythema, atrophic plaques	Type 3	2.9	N/A	FANA(+)	SLE I	PD 10 mg	No erythema, Depression: nc

nc: no change, R: remission, PD: Prednisolone, PR: partial remission, FANA: fluorescent antinuclear antibodies, Anti-dsDNA: anti-double-stranded DNA antibody, DIF: direct immunofluorescence, mo: month.