

Table SI. Clinical data of patients with LS.

Patients	Age, years	Time of skin biopsy relative to the RCM investigation	Treatment with topical steroid cream clobetasolpropionat	Age of LS onset, years	Circumcision
LS 1	33	1 year prior	No	28	Yes
LS 2	30	1.5 years prior	Yes	Unknown	No
LS 3	74	Same day	No	74	No
LS 4	29	Same day	No	15	No
LS 5	47	Same day	No	42	No
LS 6	37	1 month prior	No	34	No
LS 7	50	5 years prior	Yes	48	No
LS 8	66	1 week prior	No	65	Yes
LS 9	45	Same day	No	45	No
LS 10	68	1 week prior	No	65	No
LS 11	65	9 months prior	Yes	57	Yes

LS 12	55	Same day	Yes	50	Yes
LS 13	56	3 days prior	Yes	51	No
LS 14	64	8 years prior	Yes	54	Yes
LS 15	73	10 days prior	No	58	Yes
LS 16	39	2 months prior	No	38	No
LS 17	27	1 month prior	No	Unknown	No

LS, lichen sclerosis; RCM, reflectance confocal microscopy.

Table SII. Overview of the features observed by RCM for nonspecific balanoposthitis, plasma cell balanitis and psoriasis.

RCM features	Nonspecific balanoposthitis (incidence)	Plasma cell balanitis (incidence)	Psoriasis (incidence)
Typical honeycomb pattern	5/5	2/3	1/1
Parakeratosis	0/5	1/3	1/1
Spongiosis	2/5	3/3	0/1
Bright cells in basal layer	0/5	0/3	0/1
Bright cells in the superficial dermis	4/5	1/3	0/1
Bright cells flowing inside black lumen in the dermis	4/5	1/3	0/1
Irregular papillae	2/5	1/3	1/1
Dilated papillae	3/5	1/3	0/1
Edged papillae	1/5	0/3	1/1
Elongated papillae	1/5	0/3	1/1
Prominent fiber structures in dermis	0/5	1/3	0/1

RCM, reflectance confocal microscopy.