

Table SII. Interventions and clinical outcomes in the studies included in this review

Study, year, Country (ref)	Enrolled patients	Completed patients	Intervention	Physician improvement score	Clinical outcomes, n						Patient assessment	Side-effects/recur
					> 75%	> 50% (PP)	≤ 25% (PP)	0% (PP)	≤ 25% (ITT)	(0%) (ITT)		
Cunha et al, 2016, Brazil (6)	T: 4 C: 4	T: 4 C: 4	T: CO ₂ fractional laser + 0.05% clobetasol propionate cream + 2% salicylic acid solution C: 0.05% clobetasol propionate cream + 2% salicylic acid solution	2.0±1.4 0.0±0.0	T: 1 C: 0	T: 2 C: 0	T: 2 C: 4	T: 0 C: 4	T: 2 C: 4	T: 0 C: 4	Very satisfied (0) Satisfied (4) Dissatisfied (0) Very satisfied (0) Satisfied (0) Dissatisfied (4)	Itchy skin in one patient Pain (1–2.5)
Felty et al, 2016, Iran (8)	T: 20 C: 20	T: 20 (15 women, 5 men) C: 20	T: CO ₂ fractional laser + Autologous hair transplantation + NB-UVB + Clobetasol 45% solution C: Autologous hair transplantation + NB-UVB + Clobetasol 45% solution	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	6.8 5.4	All patients: transient grade 1 tenderness and erythema
Kanoknungsee et al, 2016, Thailand (5)	T: 14 C: 14	T: 12 (7 women, 5 men) C: 12	T: CO ₂ fractional laser + Targeted broadband UVB + 0.05% clobetasol propionate cream C: Targeted broadband NB-UVB + 0.05% clobetasol propionate cream	2.2±1.8 2.2±1.9	T: 4 C: 5	T: 6 C: 6	T: 4 C: 5	T: 4 C: 5	T: 4 C: 5	T: 4 C: 5	8.0±2.8 7.7±2.5	Median pain score: 4.5 (0–8) Transient erythema Median pain score: 0 (0–5)
Helou et al, 2014, Lebanon (7)	T: 10 C: 10	T: 10 (9 women, 1 man) C: 10	CO ₂ fractional laser + sun light Sun light	2.8±0.9 1.7±0.7	T: 2 C: 0	T: 7 C: 1	T: 1 C: 4	NA C: 4	T: 1 C: 4	NA NA	6.9±0.6 4.9±0.7	All patients: Transient pain, burning sensation, erythema, edema
Shin et al, 2011, Korea (3)	T: 10 C: 10	T: 10 (7 women, 3 men) C: 10	T: CO ₂ fractional laser + NB-UVB C: NB-UVB	0.9±1.1 0.2±0.4	T: 0 C: 0	T: 1 C: 0	T: 7 C: 10	T: 5 C: 8	T: 7 C: 10	T: 5 C: 8	1.7±1.6 0.4±0.7	All patients: burning sense, erythema, post-laser crust
Vachiramon et al, 2015, Thailand (4)	T: 27 C: 27	T: 26 (15 women, 11 men) C: 26	T: CO ₂ fractional laser + NB-UVB + 0.05% clobetasol propionate cream C: NB-UVB + 0.05% clobetasol propionate cream	1.4±1.4 0.5±0.9	T: 2 C: 1	T: 6 C: 23	T: 14 C: 18	T: 11 C: 18	T: 11 C: 18	T: 11 C: 18	3.5±2.6	Pain score: 4.5±2.4 (25 of 26 lesions) Transient edema Tiny brown spots on the nail plate (few patients) Oozing and crusting (1 patient) Pain score: 1.1±2.1 912 of 26 lesions

Physician assessment: grade 0: no improvement; 1, 1–25%: minimal; 2, 26–50%: moderate; 3, 51–75%: good; and 4, >75%: excellent.

Patient assessment: 10-point visual analogue scale (VAS, 0–10) and Very satisfied; satisfied; and dissatisfied.

Side effects: pain score (10-point visual analogue scales, 0–10).

T: treatment; C: control; PP: per protocol; ITT: intention to treat; NA: not available; CO₂: carbon dioxide; NB-UVB: narrow-band ultraviolet B.