



Supplementary Material

Dermoscopy of Infectious Dermatoses (Infectiouscopy) in Skin of Color – A Systematic Review by the International Dermoscopy Society “Imaging in Skin of Color” Task Force

Payal Chauhan, Biswanath Behera, Delaney D Ding, Aimilios Lallas, Soumil Khare, Nkechi Anne Enechukwu, Martyna Sławińska, Bengu Nisa Akay, Balachandra S Ankad, Yasmeen J Bhat, Abhijeet Kumar Jha, Feroze Kaliyadan, Awatef Kelati, Shekhar Neema, Nisha V Parmar, Jennifer Stein, Richard P Usatine, Keshavamurthy Vinay, Enzo Errichetti

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color

	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non- neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
Bacterial infections									
<i>Leprosy Borderline tuberculoid</i>	Ankad B, <i>et al.</i> 2017 ¹¹	<ul style="list-style-type: none"> • White areas (100.0%) • Decreased density of hairs (NS) • Yellow globules (66.7%) • Decreased white dots (50.0%) • Branching vessels (33.3%) 	<ul style="list-style-type: none"> • White structureless areas • Clue: reduction of hairs • Yellow globules • Clue: reduction of eccrine glands openings • Linear vessels with branches 	<ul style="list-style-type: none"> • NS • NS • NS • NS • NS 	Polarised- Nonpolarized/ NS	12	CS	V	NS (Literature from India)
	Vinay K, <i>et al.</i> 2019 ¹⁰	<ul style="list-style-type: none"> • Structureless yellowish-orange areas (NS) • Branching and anastomosing vessels (NS) • Paucity of appendageal structures (NS) • Diminished pigment network (NS) 	<ul style="list-style-type: none"> • Yellow/orange structureless areas • Linear vessels with branches • Clue: reduction of skin appendages • NA 	<ul style="list-style-type: none"> • Dermal granulomas • Increased dermal vasculature • NS • NS 	Polarized/x10	12	CS	V	NS (Literature from India)
	Chopra A, <i>et al.</i> 2019 ¹³	<ul style="list-style-type: none"> • White areas (NS) • Partial loss of hair follicles (NS) • Yellow globules (NS) • Absence of white dots (NS) • Lack of blood vessels (NS) 	<ul style="list-style-type: none"> • White structureless areas • Clue: reduction of hairs • Yellow globules • Clue: reduction of eccrine glands openings • NA 	<ul style="list-style-type: none"> • Eccrine gland openings • NS • Sebaceous units in absence of hair follicles • NS • NS 	Polarized- Nonpolarized/ x16	10	CS	V	NS (Literature from India)

	<p>Mohtra A, <i>et al.</i> 2021¹²</p>	<ul style="list-style-type: none"> • Yellowish-orange structureless areas (NS) • Small branching vessels (NS) • Patchy loss of pigment network (NS) • Diminished appendages (NS) • Yellow dots and globules (NS) • Violaceous to erythematous background (NS) 	<ul style="list-style-type: none"> • Yellow/orange structureless areas • Linear vessels with branches • NA • Clue: reduction of skin appendages • Yellow dots/globules • NA 	<ul style="list-style-type: none"> • Elongated dermal granuloma • Vascular dilation • NS • Periappendageal granuloma • Pilosebaceous units • NS 	<p>Polarized- Nonpolarized/ x10</p>	<p>29</p>	<p>CS</p>	<p>V</p>	<p>IV-VI</p>
--	--	---	---	---	---	-----------	-----------	----------	--------------

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
<i>Leprosy Tuberculoid</i> Vimay K, <i>et al.</i> 2019 ¹⁰	<ul style="list-style-type: none"> Central yellowish white structureless areas (NS) Surrounding erythema (NS) Linear branching vessels (NS) Broken pigmentary network (NS) Lesional loss of hair follicles and eccrine gland openings (NS) 	<ul style="list-style-type: none"> Yellow/white structureless areas NA Linear vessels with branches NA NA 	<ul style="list-style-type: none"> Dermal granuloma Increased and dilated blood vessels NS NS 	Polarized/x10	2	CS	V	NS (Literature from India)
Mohta A, <i>et al.</i> 2021 ¹²	<ul style="list-style-type: none"> Orangish yellow areas (NS) White structureless areas (NS) Peripheral erythema (NS) Telangiectatic vessels (NS) Moderate loss of hair follicles, absence of white dots, relative sparing of vellus hair (NS) Extensive loss of pigment network (NS) 	<ul style="list-style-type: none"> Yellow/orange structureless areas White structureless area NA Vessels Clue: reduction of skin appendages NA 	<ul style="list-style-type: none"> Dermal granulomas NS Dilated peripheral vessels Periappendageal granuloma Damage to melanocytes 	Polarized-Nonpolarized/x10	4	CS	V	IV-VI

<i>Leprosy Borderline lepromatous</i>	Vinay K, et al. 2019 ¹⁰	<ul style="list-style-type: none"> • Broken and loss of pigmentary network (NS) • Chrysalis-like structures (NS) • Relative paucity of appendages and hair follicles (NS) 	<ul style="list-style-type: none"> • NA • White bright lines • Clue: reduction of skin appendages 	<ul style="list-style-type: none"> • NS • NS • NS 	Polarized/x10	8	CS	V	NS (Literature from India)
	Mohra A, et al. 2021 ¹²	<ul style="list-style-type: none"> • Loss of pigment network with focal areas of hyperpigmentation (NS) • White shiny streaks (NS) • Relative sparing of appendages (NS) 	<ul style="list-style-type: none"> • NA • White bright lines • NA 	<ul style="list-style-type: none"> • Dermal granuloma • Perifollicular hyperkeratosis • NS 	Polarized-Nonpolarized/x10	19	CS	V	IV-VI
<i>Leprosy Lepromatous</i>	Vinay K, et al. 2019 ¹⁰	<ul style="list-style-type: none"> • Yellowish-orange areas (NS) • Dilated branching vessels (NS) • Diminished hair follicles with preserved eccrine ducts (NS) 	<ul style="list-style-type: none"> • Structureless yellow/orange areas • Linear vessels with branches • NS 	<ul style="list-style-type: none"> • NS • NS • NS 	Polarized/x10	6	CS	V	NS (Literature from India)
	Miola AC, et al. 2020 ¹⁵	<ul style="list-style-type: none"> • Diffuse yellow coloration (100.0%) • Discrete brownish halo at the center (100.0%) • Scarring nacreous center (100.0%) • Heteromorphic telangiectasias more concentrated peripherally (100.0%) 	<ul style="list-style-type: none"> • Yellow structureless areas • NA • NA • Peripheral linear vessels with branches 	<ul style="list-style-type: none"> • Xanthomization of Virchow cells • NS • NS • Vascular ectasia 	NS/NS	1	CR	V	NS (“Brown patients”)

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
Kansal N, <i>et al.</i> 2020 ¹⁴	<ul style="list-style-type: none"> Diffuse reddish-brown background (100.0%) Multiple ill-defined orange-brown globules at places (100.0%) Central whitish streaks (100.0%) Multiple arborizing vessels in periphery (100.0%) 	<ul style="list-style-type: none"> NA Orange/Brown globules NA Peripheral linear vessels with branches 	<ul style="list-style-type: none"> NS NS Whorled arrangement of histiocytes NS 	Polarized/x10	1	CR	V	NS (Literature from India)
Chopra A, <i>et al.</i> 2019 ¹³	<ul style="list-style-type: none"> Patchy xerosis (NS) White scaling (NS) Hypotrichosis (NS) 	<ul style="list-style-type: none"> NA White scales Clue: reduction of hair 	<ul style="list-style-type: none"> Loss of skin appendages and epidermal atrophy NS NS 	Polarized-Nonpolarized/x16	10	CS	V	NS (Literature from India)
Mohta A, <i>et al.</i> 2021 ¹²	<ul style="list-style-type: none"> Yellowish orange structureless areas (NS) Shiny skin (NS) Yellowish globules (NS) Sparse appendages (NS) Accentuation of normal reticular pigment (NS) Xerosis (NS) 	<ul style="list-style-type: none"> Yellow-orange structureless areas NA Yellow globules Clue: reduction of skin appendages NA NA 	<ul style="list-style-type: none"> Dermal granuloma, loosely formed, diffuse Epidermal atrophy Periadenexal inflammation NS Increased melanin in basal layer NS 	Polarized-Nonpolarized/x10	17	CS	V	IV-VI

<i>Leprosy Type 1 reaction</i>	Vinay K, <i>et al.</i> 2019 ¹⁰	Jha AK, <i>et al.</i> 2020 ¹⁶	Chopra A, <i>et al.</i> 2019 ¹³	Mohra A, <i>et al.</i> 2021 ¹²
	<ul style="list-style-type: none"> • Greyish white semi-adherent scales (NS) • Prominent keratinous plugs (NS) 	<ul style="list-style-type: none"> • Yellowish-orange areas (42.9%) • Reddish-orange areas (57.1%) • Vessels: arborizing, fine short linear (71.4%), linear blurry (28.6%) • White scales (7.1%) • White structureless areas (NS) 	<ul style="list-style-type: none"> • Diffuse erythematous background (NS) • Branching telangiectatic vessels (NS) • Sparse hair follicles (NS) • Scaling (NS) 	<ul style="list-style-type: none"> • Intense erythema (NS) • Large telangiectatic vessels (NS) • Scaling: triangular, star shaped silvery white (NS) • Follicular plugs (NS) • White globules (NS) • Accentuation of normal skin markings (NS) • Violaceous to brown perifollicular and periappendageal pigmentation (NS)
	<ul style="list-style-type: none"> • White scales • Follicular plugs 	<ul style="list-style-type: none"> • Yellow-orange structureless areas • Orange structureless areas • Vessels: linear, linear with branches • White scales • White structureless areas 	<ul style="list-style-type: none"> • NA • Linear vessels with branches • Clue: reduction of hairs • NA 	<ul style="list-style-type: none"> • NA • NA • White scaling • Follicular plugs • White globules • NA • NA
	<ul style="list-style-type: none"> • Lesional hyperkeratosis • NS 	<ul style="list-style-type: none"> • NS • NS • NS • NS • NS • NS 	<ul style="list-style-type: none"> • NS • NS • NS • NS 	<ul style="list-style-type: none"> • Inflammation around dermal granulomas • Vascular dilation • Hyperkeratosis • Hyperkeratosis • Dermal edema • Hyperkeratosis • NS
	3	14	10	7
	CS	CS	CS	CS
	V	V	V	V
	NS (Literature from India)	NS (Literature from India)	NS (Literature from India)	IV-VI
	Polarized/x10	Polarized/x10	Polarized-Nonpolarized/x16	Polarized-Nonpolarized/x10

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
Leprosy Type 2 reaction	Vinay K, et al. 2019 ¹⁰	<ul style="list-style-type: none"> Blanching erythema (NS) Vascular structures (NS) 	<ul style="list-style-type: none"> NA NA 	<ul style="list-style-type: none"> NS NS 	Polarized/x10	3	CS	V	NS (Literature from India)
	Chopra A, et al. 2019 ¹³	<ul style="list-style-type: none"> Branching blood vessels (NS) Hyperpigmentation (NS) Scaling and xerosis (NS) 	<ul style="list-style-type: none"> Linear vessels with branches NA NA 	<ul style="list-style-type: none"> NS NS NS 	Polarized-Nonpolarized/x16	10	CS	V	NS (Literature from India)
	Mohra A, et al. 2021 ¹²	<ul style="list-style-type: none"> Increased erythema (NS) Vascular dilation (NS) Red dots (NS) BL and LL dermoscopic features (NS) 	<ul style="list-style-type: none"> NA NA NA NA 	<ul style="list-style-type: none"> Marked vascularity Loosely formed granuloma 	Polarized-Nonpolarized/x10	9	CS	V	IV-VI
	Vashisht D, et al. 2022 ¹⁷	<ul style="list-style-type: none"> Homogenous white-pink area with irregular border (100.0%) Surrounding erythema (100.0%) Crumpled fabric appearance of white-pink areas (100.0%) Brown-gray dots and globules at the periphery (100.0%) 	<ul style="list-style-type: none"> NA NA NA Brown dots and globules 	<ul style="list-style-type: none"> NS NS NS NS 	NS/NS	1	CR	V	NS (Literature from India)

<i>Leprosy Histoid leprosy</i>	Ankad B, <i>et al.</i> 2017 ¹⁸	<ul style="list-style-type: none"> • Structureless white areas (100.0%) • Rim of brownish hyperpigmentation (100.0%) • Linear branching vessels (100.0%) 	<ul style="list-style-type: none"> • White structureless areas • NA • Linear vessels with branches 	<ul style="list-style-type: none"> • Whorled arrangement of spindle-shaped histiocytes in the granuloma • Color of the skin type • NS 	Polarized/NS	1	CR	V	NS (Literature from India)
	Vinay K, <i>et al.</i> 2019 ¹⁰	<ul style="list-style-type: none"> • Well circumscribed dome shaped yellowish brown nodules (NS) • Crown vessels over the margin (NS) 	<ul style="list-style-type: none"> • Yellow structureless areas • Vessels: Linear with branches, peripheral 	<ul style="list-style-type: none"> • NS • NS 	Polarized/x10	2	CS	V	NS (Literature from India)
	Acharya P, <i>et al.</i> 2019 ¹⁹	<ul style="list-style-type: none"> • Shiny white structures (100.0%): shiny white area, crystalline lines, rosettes • Vessels: linear branching vessels (100.0%), hairpin vessels (25.0%) • Yellowish-brown to pink background (NS) • Orange-yellow areas (100.0%) • Perilesional brown pigmentation (75.0%) • Scaling (50.0%) • Follicular plugs (50.0%) 	<ul style="list-style-type: none"> • NA • Vessels: linear with branches, linear curved • NA • Yellow/orange structureless areas • NA • White scales • Follicular plugs 	<ul style="list-style-type: none"> • Fibrotic dermal changes • Upward displacement of the dilated vessels by underlying granulomas • NS • Dermal granuloma • Colour of hyperpigmented skin type • Hyperkeratosis • NS 	Polarized/x10	4	CS	V	NS (Literature from Nepal)

Supplemental Table continues

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
	Mathur M, <i>et al.</i> 2019 ²⁰	<ul style="list-style-type: none"> Central whitish-yellow structureless area (100.0%) Peripheral hyperpigmentation (100.0%) Crown vessels (100.0%) 	<ul style="list-style-type: none"> White-yellow structureless areas Peripheral brown structureless areas Peripheral linear vessels with branches 	<ul style="list-style-type: none"> NS NS NS 	NS/NS	1	CR	V	NS (Literature from Nepal)
	Mohta A, <i>et al.</i> 2021 ¹²	<ul style="list-style-type: none"> Yellowish orange structureless areas (NS) Central hypopigmented, blanchable dome-shaped structures (NS) Crystalline lines, shiny white areas (NS) Crown vessels (NS) Central umbilication with central white dots and keratotic plugs (NS) Perilesional hyperpigmentation (NS) 	<ul style="list-style-type: none"> Yellow/orange structureless area NA Bright white lines/structureless areas Peripheral linear vessels with branches Follicular plugs NA 	<ul style="list-style-type: none"> Expansile granuloma with spindle-shaped cells NS Dermal fibrosis Upwardly displaced dilated vessels Transepidermal elimination NS 	Polarized-Nonpolarized/x10	4	CS	V	IV-VI

<i>Leprosy Hypopigmented leprosy</i>	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> • Reduced appendages (follicles/sweat glands) (in absence of fibrosis/ulceration) (81.8%) • Perifollicular white color (36.4%) • Periostial brown pigmentation (18.2%)- perifollicular (9.1%); perieccrine (18.2%) • Structureless areas: white dull (72.7%); • Brown lines, reticular intralesional (72.7%) 	<ul style="list-style-type: none"> • Clue: reduction of skin appendages • Perifollicular white color • Perifollicular and perieccrine pigmentation • White structureless areas • Brown lines, brown reticular lines 	• NS • NS • NS • NS • NS	NS/x10	11	C-C	IV	V,VI
<i>Leprosy Non-specified variants</i>	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> • Focal dull white structureless areas (92.3%), brown (7.7%), orange (23.1%) • Reduced appendages (follicles/sweat glands) (in absence of fibrosis/ulceration) (84.6%) • Vessels: dotted (15.4%), linear (23.1%), linear with branches (30.8%), linear curved (7.7%) • Scales: white patchy (46.2%) • Brown dots (30.8%) and globules (7.7%) • Lines: white (7.7%), brown (23.1%) 	<ul style="list-style-type: none"> • Structureless areas: focal white, brown, orange • Clue: reduction of skin appendages • Vessels: dotted, linear, linear with branches, linear curved • Scales: white patchy • Brown dots and globules • Lines: white, brown 	• NS • NS • NS • NS • NS • NS • NS	NS/x10	13	C-C	IV	V,VI

Supplemental Table continues

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
<i>Lichen scrofulosorum</i>	Jassi R, <i>et al.</i> 2020 ²¹	<ul style="list-style-type: none"> • Pale round monomorphic grouped perifollicular dots (100.0%) • Central brown follicular plug (100.0%) • Marginal rim of fine white scaling (50.0%) • Extensive scaling (50.0%) • Marginal hyperpigmentation (50.0%) 	<ul style="list-style-type: none"> • Perifollicular white colour • Follicular plug • Peripheral white scales • Diffuse white scales • Perifollicular hyperpigmentation 	<ul style="list-style-type: none"> • Granulomatous infiltration in the perifollicular lesion • NS • NS • NS • NS 	Polarized/x10	2	CS	V	NS (Literature from India)
	Garg T, <i>et al.</i> 2021 ²²	<ul style="list-style-type: none"> • Follicular and perifollicular lesions (100.0%) • Central brown clod (100.0%) • Halo of pallor (100.0%) • Telangiectasis (100.0%) • Rim of fine white scales (100.0%) 	<ul style="list-style-type: none"> • NA • NA • Perifollicular white colour • NA • Peripheral white scales 	<ul style="list-style-type: none"> • NS • NS • NS • NS • NS 	Polarized/x170	1	CR	V	NS (Literature from India)

<i>Lupus vulgaris</i>	Ankad BS, <i>et al.</i> 2020 ²³	<ul style="list-style-type: none"> Yellowish-white globules (100.0%) Pinkish-red background (100.0%) Reddish globules (84.2%) Vessels (84.2%): dotted, linear Ulceration (26.3%) White structureless areas (100.0%) Scaling-white/yellow scales (100.0%) White shiny streaks (31.5%) Follicular plugs (21.05%) Patulous follicles (15.7%) Bluish hue (10.5%) 	<ul style="list-style-type: none"> Yellow-white globules NA NA Dotted vessels, linear vessels NA White structureless areas Scales: white, yellow White lines Follicular plugs NA Blue structureless areas 	<ul style="list-style-type: none"> Dermal granulomas Widespread vasodilatation Tips of ectatic papillary loops Tips of normal vertical papillary loops (dotted vessels), ectatic subpapillary capillary plexus (linear vessels) Epidermal, dermal erosions Acanthosis and dermal fibrosis Hyperkeratosis and/or parakeratosis Orientation of collagen bundles in different angles in the dermis Keratotic material in follicular infundibulum Infundibulum dilatation NS 	Polarized/x10	19	CS	V	IV-VI
-----------------------	--	---	--	---	---------------	----	----	---	-------

Supplemental Table continues

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> Structureless areas: focal bright white (92.3%), or-brown focal (33.3%), orange focal (58.3%) Vessels: dotted (50%), linear (66.7%), linear with branches (25%), linear curved (7.7%) Scales: white patchy (66.7%), yellow scales/crusts (50%) Follicular plugs (8.3%) Brown dots (25%); Globules: white (33.3%); brown (33.3%) 	<ul style="list-style-type: none"> Structureless areas: bright white focal; brown focal; orange focal Vessels: dotted; linear; linear with branches; linear curved Scales: white patchy; yellow scales/crusts Follicular plugs Brown dots; white globules; brown globules 	<ul style="list-style-type: none"> Orthokeratosis NS NS NS NS NS 	NS/x10	12	C-C	IV	V,VI
<i>Syphilis (secondary)</i>	Mathur M, <i>et al.</i> 2019 ²⁴	<ul style="list-style-type: none"> Lines: white (50%); brown (25%) White circles (25%) Ulceration (33.3%) Scaling within skin furrows (100.0%) Peripheral scaling with relatively clear central area (100.0%) Central, ill-defined darker area fading towards periphery (100.0%) Orange color (100.0%) 	<ul style="list-style-type: none"> Lines: white; brown White circles NA White scales Peripheral scales NA 	<ul style="list-style-type: none"> NS NS NS NS NS NS 	Polarized/x20	1	CR	V	NS (Literature from Nepal)
<i>Trichomycosis axillaris</i>	Gupta V, <i>et al.</i> 2018 ²⁵	<ul style="list-style-type: none"> - Golden yellow concretions encasing several hair shafts (100%) 	<ul style="list-style-type: none"> Orange structureless area Clue: yellow concretions around hair shafts 	<ul style="list-style-type: none"> NS NS 	Polarized/x10	1	CR	V	NS (Literature from India)

<i>Tuberculosis verrucosa cutis</i>	Jakhar D, <i>et al.</i> 2020 ²⁶	<ul style="list-style-type: none"> Yellowish to reddish background (100.0%) Papillated surface (100.0%) Dirty white thick scales (100.0%) Yellow orange globular and structureless areas (100.0%) Irregularly dilated vessels (100.0%) 	<ul style="list-style-type: none"> Yellow structureless area (diffuse) NA White scales Yellow/orange globules and structureless areas NA 	<ul style="list-style-type: none"> Epithelioid cell granuloma Papillomatosis Hyperkeratosis Epithelioid cell granuloma Cytokine release, re-active oxygen species, angiogenesis 	Polarized/ x10-x50	1	CR	V	NS (Literature from India)
Viral infections									
<i>Molluscum contagiosum</i>	Sil A, <i>et al.</i> 2020 ²⁷	<ul style="list-style-type: none"> Roundish white-to-yellow structures (100.0%) Peripheral crown and dotted vessels (100.0%) 	<ul style="list-style-type: none"> White to yellow focal structureless areas Peripheral linear vessels with branches and dotted vessels 	<ul style="list-style-type: none"> NS NS 	NS/NS	1	CR	V	NS (Literature from India)
	Kumar S, <i>et al.</i> 2020 ²⁸	<ul style="list-style-type: none"> Polylobular, pinkish-white, amorphous structure in the centre (100.0%) Surrounding crown of vessels that did not cross the centre (100.0%) 	<ul style="list-style-type: none"> NA Linear vessels with branches, peripheral 	<ul style="list-style-type: none"> NS NS 	NS/x10	1	CR	V	NS (Literature from India)
	Daruwalla SB, <i>et al.</i> 2020 ²⁹	<ul style="list-style-type: none"> Extraction dermoscopy: White globular molluscum body with overlying crown vessels (NS) 	<ul style="list-style-type: none"> NA 	<ul style="list-style-type: none"> NS 	Polarized-Nonpolarized/ x50	20 lesion	CS	V	NS (Literature from India)
	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> White globules (100.0%) Vessels: Peripheral dotted (50.0%); peripheral linear branched (30.0%) 	<ul style="list-style-type: none"> White globules Vessels: Peripheral dotted; peripheral linear with branches 	<ul style="list-style-type: none"> NS NS 	NS/x10	10	C-C	IV	V,VI

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype									
Warts <i>Plane warts</i>	Agarwal M, <i>et al.</i> 2021 ³⁰	<ul style="list-style-type: none"> Well-defined (40.0%) Brown background (100.0%) Presence of papillae/surrounding haloes (50.0%) Dotted vessels (10.0%) Interrupted skin markings (20.0%) 	<ul style="list-style-type: none"> NA Brown structureless area (diffuse) NA Dotted vessels Clue: interruption of skin markings 	<ul style="list-style-type: none"> NS NS NS NS NS 	Polarized/NS	10	CS	V	NS (Literature from India)									
										Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> Brown dots over a white background (100.0%) Regularly distributed black dots and globules (100.0%) 	<ul style="list-style-type: none"> Brown dots over a white area (diffuse) NA 	<ul style="list-style-type: none"> NS Vessels thrombosis and haemorrhages 	NS/x10	2	C-C	IV	V,VI
Barkat MT, <i>et al.</i> 2018 ³⁴	<ul style="list-style-type: none"> Well defined papilliform surface (NS) Multiple prominent haemorrhages (NS) Tiny dotted vessels (NS) Brownish background (NS) 	<ul style="list-style-type: none"> NA Purple dots Dotted vessels Brown structureless area (diffuse) 	<ul style="list-style-type: none"> NS NS NS NS 	NS/x6	46	CS	V	NS (Literature from Africa)										

	Albalat W, <i>et al.</i> 2020 ³¹	<ul style="list-style-type: none"> Well-defined (95.0%) Background: Yellow (45.0%), Brown (30.0%), pink (25.0%) Presence of papillae/surrounding haloes (55.0%) Dotted vessels (60.0%), globules (25.0%), linear vessels (15.0%) Interrupted skin markings (100.0%) Haemorrhage/crusting (10.0%) 	<ul style="list-style-type: none"> NA Yellow, brown structure-less areas Clue: papillae Dotted vessels, linear vessels Clue: interruption of skin markings NA 	<ul style="list-style-type: none"> NS NS NS NS NS NS 	NS/NS	130	CS	V	NS (Literature from Africa)
	Agarwal M, <i>et al.</i> 2021 ³⁰	<ul style="list-style-type: none"> Well-defined yellowish papilliform surface (77.0%) Dotted haemorrhages (95.8%) Interrupted skin lines (100.0%) 	<ul style="list-style-type: none"> NA Purple dots Clue: interruption of skin markings 	<ul style="list-style-type: none"> NS NS NS 	Polarized/NS	20	CS	V	NS (Literature from India)
Warts Common warts	Hassan SNE, <i>et al.</i> 2021 ³²	<ul style="list-style-type: none"> Well-defined (90.0%) Background: Yellow (23.2%), Brown (43.3%), pink (33.3%) Presence of papillae/surrounding haloes (21.0%) 	<ul style="list-style-type: none"> NA Yellow, brown structure-less area (diffuse) Clue: papillae 	<ul style="list-style-type: none"> NS NS NS 	Nonpolarized/ x10	48	CS	V	NS (Literature from Africa)
	Agarwal M, <i>et al.</i> 2021 ³⁰	<ul style="list-style-type: none"> Dotted vessels (33.3%), globules (16.7%), linear (13.3%), loop (6.7%) Interrupted skin markings (30.0%) Haemorrhage/crusting (13.3%) Brown dots (100.0%) 	<ul style="list-style-type: none"> Dotted, linear, linear curved vessels Clue: interruption of skin markings NA Brown dots 	<ul style="list-style-type: none"> NS NS NS NS 	Polarized/NS	30	CS	V	NS (Literature from India)

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
Dermatosis	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> Vessels: thrombosed (100.0%); dotted (61.5%) Background: white (61.5%); bluish (38.5%) 	<ul style="list-style-type: none"> Vessels: dotted White/blue structureless area (diffuse) 	NS/x10	13	C-C	IV	V,VI
	Hassan SNE, <i>et al.</i> 2021 ³²	<ul style="list-style-type: none"> Grouped papillae (100.0%) Dotted or looped vessels (43.8%) Irregularly distributed haemorrhagic dots or lines (43.8%) White halo surrounding vessels (15.6%) 	<ul style="list-style-type: none"> Clue: papillae Dotted or linear curved vessels Purple dots NA 	Nonpolarized/x10	32	CS	V	NS (Literature from Africa)
Warts <i>Genital warts</i>	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> Vessels: dotted (100.0%); linear (50.0%) Bluish background (50.0%) 	<ul style="list-style-type: none"> Vessels: dotted, linear Blue structureless area (diffuse) 	NS/x10	2	C-C	IV	V,VI
Fungal infections								

<i>Chromoblastomycosis</i>	Subhadarshani S, <i>et al.</i> 2017 ³⁷	<ul style="list-style-type: none"> • Reddish pink background (100.0%) • Yellow-orange ovoid structures (100.0%) • Brown/Black dots (100.0%) 	<ul style="list-style-type: none"> • NA • Yellow/orange structure-less areas • Brown dots 	<ul style="list-style-type: none"> • NS • Granuloma • Transepidermal elimination of the inflammatory cells and fungal elements along with the haemorrhages 	Polarized/x16	1	CR	V	NS (Literature from India)
	Chauhan P, <i>et al.</i> 2019 ³⁶	<ul style="list-style-type: none"> • Crusts and scales (100.0%) • Reddish black dots (100.0%) • Yellowish orange ovoid areas (100.0%) • Pinkish white background (100.0%) • Polymorphic vessels (100.0%) 	<ul style="list-style-type: none"> • Yellow/white scales • NA • Yellow/orange structure-less area • NA • Dotted vessels 	<ul style="list-style-type: none"> • NS • Transepidermal elimination of inflammatory cells, foreign fungal elements, and hemorrhage • Granulomas • NS • NS 	Polarized/x10	1	CR	V	NS (Literature from India)

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
Jayasree P, <i>et al.</i> 2019 ³⁸	<ul style="list-style-type: none"> White scales and yellow crusts in the periphery (100.0%) White net-like pattern (100.0%) Polymorphous vessels (100.0%) Brown spots (100.0%) White and pink areas (100.0%) Yellowish structureless areas (100.0%) 	<ul style="list-style-type: none"> White scales and yellow crusts White lines Dotted, linear curved vessels Brown dots/globules NA Yellow structureless areas 	<ul style="list-style-type: none"> NS Hypergranulosis and pseudoepitheliomatous hyperplasia NS Fungal sclerotic bodies NA NA 	Polarized/x10	1	CR	V	NS (Literature from India)
Katoch S, <i>et al.</i> 2020 ³⁵	<ul style="list-style-type: none"> White net-like pattern in background (100.0%) Structureless pink, white, and yellow areas (100.0%) Scales, crusts (100.0%) Reddish-brown to black dots (100.0%) 	<ul style="list-style-type: none"> White lines Structureless white and yellow areas White scales and yellow crusts Brown dots/globules 	<ul style="list-style-type: none"> NS NS NS Fungal sclerotic bodies and haemorrhages 	Polarized/10x	1	CR	V	NS (Literature from India)

<i>Mycetoma</i>	Ankad BS, <i>et al.</i> 2019 ³⁹	<ul style="list-style-type: none"> Yellow globules (100.0%) White superficial scales (100.0%) White structureless areas (100.0%) Telangiectasias and dotted vessels (100.0%) Blood spots (100.0%) 	<ul style="list-style-type: none"> Yellow globules White scales White structureless areas Dotted vessels NA 	<ul style="list-style-type: none"> Dermal granulomas with many neutrophils Hyperkeratosis Fibrosis NS NS 	Polarized/x10	1	CR	V	NS (Literature from India)
	Ankad BS, <i>et al.</i> 2019 ⁴¹ (Actinomycetoma)	<ul style="list-style-type: none"> White-yellow areas (100.0%) White scales (100.0%) Brown-black/red/white globules (100.0%) 	<ul style="list-style-type: none"> White/yellow structureless areas White scales Brown/white globules 	<ul style="list-style-type: none"> Granulomas Hyperkeratosis Dilated vessels 	Polarized/x10	1	CR	V	NS (Literature from India)
	Litaïem N, <i>et al.</i> 2019 ⁴⁰	<ul style="list-style-type: none"> Small black grains (100.0%) Structureless blue-white areas (100.0%) Surrounding white halo (100.0%) Polymorphic vessels (100.0%) 	<ul style="list-style-type: none"> Clue: small black grains Structureless blue-white areas NA NA 	<ul style="list-style-type: none"> NS Subcutaneous compact masses of pigmented fungi NS NS 	NS/NS	1	CR	V	NS (Literature from Africa)
<i>Pityriasis versicolor</i>	Thomas N, <i>et al.</i> 2019 ⁴⁴	<ul style="list-style-type: none"> Wire fence appearance (100.0%) Very fine scales along natural skin creases (100.0%) Background of hypopigmented skin (100.0%) 	<ul style="list-style-type: none"> NA White scales NA 	<ul style="list-style-type: none"> NS NS NS 	Polarized/x10	1	CR	V	NS (Literature from India)

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/ magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
Kaur J, <i>et al.</i> 2019 ⁴³	<p>Total</p> <ul style="list-style-type: none"> Altered pigmentary network (100.0%) Scaling (83.3%) Contrast halo ring around primary altered ring (66.7%) Folliculocentric pattern (66.7%) Invasion of hair follicle by yeast seen as hypopigmentation of hair (20.0%) <p>Hypopigmented variant (n=24)</p> <ul style="list-style-type: none"> Altered pigmentary network (100.0%) Scaling (87.5%) Contrast halo ring around primary altered ring (91.7%) Folliculocentric pattern (83.3%) Invasion of hair follicle (25.0%) <p>Hyperpigmented variant (n=3)</p> <ul style="list-style-type: none"> Altered pigmentary network (100.0%) Scaling (66.7%) Contrast halo ring around primary altered ring (66.7%) 	<ul style="list-style-type: none"> NA White scales NA NA NA NA NA White scales NA NA NA White scales NA 	<ul style="list-style-type: none"> NS NS NS NS NS NS NS NS NS NS NS NS NS 	Polarized/x50	30	CS	V	NS (Literature from India)

		<ul style="list-style-type: none"> Folliculocentric pattern (66.7%) Mix variant (n=3) Altered pigmentary network (100.0%) Scaling (66.7%) Contrast halo ring around primary altered ring (33.3%) Folliculocentric pattern (33.3%) 	<ul style="list-style-type: none"> NA NA White scales NA NA 	<ul style="list-style-type: none"> NS NS NS NS NS 						
Mathur M, <i>et al.</i> 2019 ⁴²	<ul style="list-style-type: none"> Hypopigmented lesions (n=164) Nonuniform pigmentation (92.7%) Clearly demarcated border (15.8%) Perilesional pigmentation (34.2%) Inconspicuous ridges and furrows (88.4%) Scaling (86.6%): patchy (57.9%), furrows (28.7%), diffuse (8.5%), perifollicular (5.5%), perifollicular (7.9%) Vascular pattern: linear branching vessels (8.5%), dotted vessels (2.4%) Hyperpigmented lesions (n=14) Nonuniform pigmentation (100.0%) 	<ul style="list-style-type: none"> NA NA NA NA White scales (patchy, in skin furrows, diffuse, peripheral, perifollicular) Vessels: linear branching, dotted NA 	<ul style="list-style-type: none"> NS NS NS NS NS NS NS NS 	Polarized/x10	178 lesions	CS	V	NS (Literature from India)		

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
		<ul style="list-style-type: none"> Clearly demarcated border (14.3%) Inconspicuous ridges and furrows (85.7%) Scaling (92.9%); patchy (28.6%), furrows (50.0%), diffuse (35.7%), perifollicular (7.1%) 	<ul style="list-style-type: none"> NA NA White scales (patchy, in skin furrows, diffuse, perifollicular) 	<ul style="list-style-type: none"> NS NS NS 					
	Errichetti E, et al. 2020 ⁹	<p>Pigmented pityriasis versicolor (n=16)</p> <ul style="list-style-type: none"> Scales: white scales (93.8%), diffuse in skin furrows (87.5%), perifollicular (56.3%) Perifollicular white color (12.5%) Structureless areas: brown (62.5%), focal (37.5%), diffuse (25%) Lines: brown reticular (31.3%) <p>Achromic pityriasis versicolor (n=11)</p> <ul style="list-style-type: none"> Scales: white scales in skin furrows (90.9%); Perifollicular white scales (63.6%) Perifollicular white colour (54.5%) 	<ul style="list-style-type: none"> Scales: white diffuse/patchy Perifollicular white color Structureless areas: brown focal/diffuse Lines: brown White scales, patchy in skin furrows; perifollicular Perifollicular white color 	<ul style="list-style-type: none"> NS NS NS NS NS NS 	NS/x10	27	C-C	IV	V,VI

		Kapadia F, <i>et al.</i> 2022 ⁴⁵				1	CR	V	NS (Literature from India)
		<ul style="list-style-type: none"> Attenuated central pigmented network (100.0%) White scales at the center within the skin creases (100.0%) Peripheral brown scales (100.0%) Scales disappearing after wiping with spirit swab (100.0%) 	<ul style="list-style-type: none"> NA White scales, patchy within the skin creases Peripheral brown scales NA 	<ul style="list-style-type: none"> NS NS Retention parakeratosis NA 	Polarized/x10	1	CR	V	NS (Literature from India)
<i>Pityrosporum folliculitis</i>	Jakhar D, <i>et al.</i> 2018 ⁴⁶	<ul style="list-style-type: none"> Folliculocentric papules and pustules with surrounding erythema (100.0%) Perilesional, dirty white scaling (73.3%) Keratosis pilaris like features (coiled/looped hair follicle with surrounding erythema, scaling) (53.3%) Hypopigmentation of hair shaft (60.0%) Perilesional brown discoloration in resolving lesions (NS) 	<ul style="list-style-type: none"> Clue: follicular papules/pustules Perifollicular white scales Clue: coiled to looped hairs Clue: hypopigmentation of hair shaft Perilesional brown area 	<ul style="list-style-type: none"> NS NS NS Invasion of hair shaft by yeast spores NS 	Polarized/x50	15	CS	V	NS (Literature from India)
	Jakhar D, <i>et al.</i> 2022 ⁴⁷	<ul style="list-style-type: none"> Folliculocentric lesions (100.0%) Perilesional background erythema (100.0%) Dotted/linear/fortuous vesicles in and around lesions (88.9%) Dirty white scaling, lesional and perilesional (77.8%) Hypopigmentation of proximal or complete hair shaft (64.4%) Coiled to looped hairs (57.8%) Broken hairs (13.3%) 	<ul style="list-style-type: none"> Clue: follicular papules/pustules NA Vessels: dotted, linear with branches, linear curved Diffuse white scales Clue: hypopigmentation of hair shaft Clue: coiled to looped hairs NA 	<ul style="list-style-type: none"> NS NS NS NS NS Weakening of hair shafts by fungal invasion Invasion of hair shaft by Malassezia 	Polarized/x50/ x150/ x200	45	CS	V	NS (Literature from India)

Supplemental Table continues

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
<i>Rhino-facial entomophthoromycosis</i> Chauhan P, <i>et al.</i> 2022 ⁴⁸	<ul style="list-style-type: none"> Focal yellowish-orange structureless area (100.0%) Dotted and linear vessels (100.0%) Background of diffuse erythema (100.0%) White areas (100.0%) Scaling (100.0%) Yellow dots/follicular plugs (100.0%) 	<ul style="list-style-type: none"> Focal yellow/orange structureless areas Dotted and linear vessels NA White structureless areas Scales Yellow dots 	<ul style="list-style-type: none"> Underlying granulomas Dermal inflammation and neo-angiogenesis Dermal fibrosis NS Dilated infundibulum 	Polarized/x10	1	CR	V	NS ("Skin of color")
<i>Sporotrichosis</i> Dabas G, <i>et al.</i> 2019 ⁴⁹	<ul style="list-style-type: none"> Generalized erythema (100.0%) Yellowish structureless areas (100.0%) Arborizing telangiectasias (100.0%) White scar-like areas (100.0%) Clustered pustules at periphery (100.0%) 	<ul style="list-style-type: none"> NA Yellow structureless area Linear vessels with branches White structureless areas (focal) NA 	<ul style="list-style-type: none"> NS Granulomatous inflammation Neo-angiogenesis Scarring and fibrosis Neutrophilic micro- abscesses 	Polarized/x10	1	CR	V	NS (Literature from India)
Vinay K, <i>et al.</i> 2020 ⁵⁰	<ul style="list-style-type: none"> Yellowish-orange areas (100.0%) Diffuse blanchable background erythema (100.0%) Superficial haemorrhagic crusting (100.0%) Superficial ulceration (75.0%) Yellow tears (25.0%) Radiating white streams (25.0%) Linear unfocused vessels (75.0%) 	<ul style="list-style-type: none"> Yellow-orange structureless areas NA NA NA Follicular plugs Peripheral-radiating white lines Linear vessels 	<ul style="list-style-type: none"> Dermal granulomas Ongoing inflammation NS NS Follicular plugs Dermal fibrosis NS 	Polarized/x10	4	CS	V	NS (Literature from India)

<i>Tinea corporis</i>	Bhat YJ, <i>et al.</i> 2019 ⁵¹	<ul style="list-style-type: none"> Diffuse erythema (100.0%) Scaly broken hair (53.3%) Whitish scales (100.0%) Follicular micropustules (36.6%) Brown spots surrounded by a white-yellowish halo (20.0%) Wavy hair (13.3%) Morse code hair of vellus hair (3.3%) 	<ul style="list-style-type: none"> NA Clue: scaly broken hairs White scales NA NA NA NA NA 	<ul style="list-style-type: none"> NS NS NS NS Invasion of hair follicle NS Masses of arthroconidia formed at intervals 	NS/x10	30	CS	V	NS (Literature from India)
	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> Vessels: dotted (15.4%) Scales: white (100.0%), peripheral (jagged outer free edge) (76.9%), peripheral (jagged mixed free edge) (23.1%), perifollicular (15.4%); yellow scales/crusts peripheral (15.4%); brown scales/crusts peripheral (38.5%) Structureless areas: brown (69.2%) (focal 46.2%, diffuse 23%), focal white (6.7%) Broken hairs (30.8%) Brown dots (46.2%) Fabric fibres (7.7%) 	<ul style="list-style-type: none"> Vessels: dotted White scales: peripheral (jagged outer or mixed free edge), patchy; yellow scales/crusts: peripheral; brown scales: peripheral Structureless areas: brown focal/diffuse, focal white Clue: broken hairs Brown dots NA 	<ul style="list-style-type: none"> NS NS NS NS NS 	NS/x10	13	C-C	IV	V,VI
<i>Tinea incognita</i>	Sonthalia S, <i>et al.</i> 2019 ⁵³	<ul style="list-style-type: none"> Patchy erythema (100.0%) Perifollicular scales and casts (100.0%) Black dots (100.0%) Broken, bent deformable, Morse-code hairs, comma and cork-screw and translucent hairs (100.0%) Dotted vessels and telangiectasias (100.0%) 	<ul style="list-style-type: none"> NA Perifollicular scales Black dots Clue: dystrophic broken hairs Dotted vessels 	<ul style="list-style-type: none"> NS NS NS Fungal invasion of hair NS 	Polarized/20x	1	CR	V	NS (Literature from India)

Supplemental Table S1. Summary of dermoscopic features of skin infections, infestations and insect bites/stings in skin of color (continued)

Dermatosis	Studies (First author, year and corresponding reference)	Dermoscopic findings (prevalence in percentage)	Corresponding terminology based on International Dermoscopy Society criteria for non-neoplastic dermatoses validated for skin of color	Histological correlates	Dermoscopic setting (polarization or not/magnification)	Cases (n)	Type of study	Level of evidence	Skin phototype
	Singal A, <i>et al.</i> 2019 ³⁴	<ul style="list-style-type: none"> Background erythema (100.0%) Dilated linear, tortuous, and/or dotted vessels (75.0%) Peripheral whitish scales (100.0%) Micropustules at the borders (83.3%) Tinea of vellus hairs (16.7%) Reddish brown haemorrhagic spots at the periphery (66.7%) 	<ul style="list-style-type: none"> NA Linear, linear curved, dotted vessels Peripheral white scales Clue: micropustules at the borders NA Purple areas 	<ul style="list-style-type: none"> NS NS NS NS NS NS 	Polarized/x200	14	CS	V	NS (Literature from India)
	Bhat YJ <i>et al.</i> 2019 ⁵¹	<ul style="list-style-type: none"> Morse code vellus hairs (47.3%) Follicular micropustules (36.8%) Concentric areas of erythema separated by scales (34.2%) Easily deformable hairs that look weakened and transparent and show unusual bends (39.4%) 	<ul style="list-style-type: none"> Clue: morse code vellus hairs Clue: follicular pustules NA NA 	<ul style="list-style-type: none"> NS NS NS Massive fungal invasion involving the whole hair shaft 	NS/x10	38	CS	V	NS (Literature from India)
<i>Tinea manuum/pedis</i>	Jakhar D, <i>et al.</i> 2019 ³²	<ul style="list-style-type: none"> White scales in the skin furrows and dermatoglyphics (100.0%) Dotted vessels localized to skin furrows (100.0%) 	<ul style="list-style-type: none"> White scales in the skin furrows Dotted vessels in the skin furrows 	<ul style="list-style-type: none"> NS Reactionary vasodilation to dermatophytes 	Polarized/x200	1	CR	V	NS (Literature from India)

	Bhat YJ, <i>et al.</i> 2019 ⁵¹	<ul style="list-style-type: none"> Whitish scales along creases (100.0%) Brownish scales showing dried vesicles (NS) Intense erythema due to patchy vessels (NS) 	<ul style="list-style-type: none"> White scales Brown scales NA 	<ul style="list-style-type: none"> NS NS NS 	NS/x10	10	CS	V	NS (Literature from India)
<i>White piedra</i>	Zhuang K, <i>et al.</i> 2016 ⁵⁵	Creamy yellow nodules distributed along the hair at irregular interval (100.0%)	<ul style="list-style-type: none"> Clue: creamy yellow nodules distributed along the hair at irregular interval 	<ul style="list-style-type: none"> NS 	NS/NS	1	CR	V	NS (Afro-French patients)
Parasitoses/bites and stings									
<i>Bed bug bites</i>	Jakhar D, <i>et al.</i> 2019 ⁵⁶	<ul style="list-style-type: none"> Diffuse erythema (100.0%) Haemorrhagic punctum (100.0%) 	<ul style="list-style-type: none"> NA Purple dot 	<ul style="list-style-type: none"> NS NS 	Polarized/x50	1	CR	V	NS (Literature from India)
<i>Cydnidae pigmentation</i>	Sonthalia S. 2019 ⁵⁷	<ul style="list-style-type: none"> Pink background (100.0%) Cluster of numerous oval to bizarre-shaped, shiny, brown globules, clods, granules with stuck-on appearance (100.0%) 	<ul style="list-style-type: none"> NA Brown dots/globules 	<ul style="list-style-type: none"> NS NS 	Polarized/x20	1	CR	V	NS (Literature from India)
	Amrani A, <i>et al.</i> 2021 ⁵⁹	<ul style="list-style-type: none"> Dark brown linear and criss-cross structures (100.0%) Minute hyperpigmented dots (100.0%) 	<ul style="list-style-type: none"> Brown lines Brown dots 	<ul style="list-style-type: none"> NS NS 	NS/NS	1	CR	V	NS (Literature from India)
	Jindal R, <i>et al.</i> 2021 ⁵⁸	Streaks of orange-brown pigment with ridge enhancement (100.0%)	<ul style="list-style-type: none"> Brown lines 	<ul style="list-style-type: none"> NS 	NS/x10	1	CR	V	NS (Literature from India)
	Amrani A, <i>et al.</i> 2021 ⁶⁰	<ul style="list-style-type: none"> Multiple brownish granules, clods, and linear structures (100.0%) Light brown background (100.0%) Perifollicular pigment accentuation (100.0%) 	<ul style="list-style-type: none"> Brown dots/lines Brown structureless area (diffuse) Perifollicular pigmentation 	<ul style="list-style-type: none"> NS NS NS 	Polarized/x20	1	CR	V	NS (Literature from India)

<i>Cutaneous larva migrans</i>	Sandhu S, <i>et al.</i> 2021 ⁶¹	<ul style="list-style-type: none"> Well-defined, segmented yellowish-white linear structure (100.0%) Pinkish erythematous background (100.0%) Brown dots (100.0%) with peripheral white scales (100.0%) Multiple, segmented yellowish linear areas (100.0%) 	<ul style="list-style-type: none"> Clue: well-defined, segmented yellow-white linear structure NA Brown dots with peripheral white scales NA 	<ul style="list-style-type: none"> Larval body NS Empty larval tract Intense inflammatory reaction to the larva 	Polarized/x10	1	CR	V	NS (Literature from India)
<i>Cutaneous leishmaniasis</i>	Kumar Jha A, <i>et al.</i> 2018 ⁶³	<ul style="list-style-type: none"> Yellow tears (100.0%) White starburst pattern (100.0%) 	<ul style="list-style-type: none"> Follicular plugs NA 	<ul style="list-style-type: none"> Follicular hyperkeratosis Parakeratotic hyperkeratosis 	Polarized/x10	1	CR	V	NS (Literature from India)
	Bhat YJ, <i>et al.</i> 2020 ⁶²	<ul style="list-style-type: none"> White starburst pattern (100.0%) Central red area/ulcer (100.0%) Hyperkeratosis (50.0%) Pinkish white/erythematous background (100.0%) Vessels (100.0%): linear, comma shaped 	<ul style="list-style-type: none"> Peripheral-radiating white lines NA NA NA Vessels: linear, linear, curved 	<ul style="list-style-type: none"> NS NS NS NS NS 	Polarized-Nonpolarized/x10	2	CS	NS (Literature from India)	
<i>Gamasidosis</i>	Errichetti E, <i>et al.</i> 2020 ⁹	<ul style="list-style-type: none"> Vessels: dotted (42.8%), linear (42.8%), linear with branches (21.4%) Scales: white (64.3%), yellow scales/crusts (7.1%) Follicular plugs (78.6%) Structureless areas: white bright (28.6%), focal orange (42.8%) White lines (78.6%) Ulceration (64.2%): central (42.8%), multifocal (14.4%) 	<ul style="list-style-type: none"> Vessels: dotted, linear, linear with branches Scales: white, yellow/crusts Follicular plugs Structureless areas: white, focal orange White lines Clue: ulceration 	<ul style="list-style-type: none"> NS NS NS NS NS NS 	NS/x10	14	C-C	IV	V,VI
	Toukabri N, <i>et al.</i> 2019 ⁶⁴	Mite red to black in color engorged with blood (100.0%)	<ul style="list-style-type: none"> Clue: mite red to black in color engorged with blood 	<ul style="list-style-type: none"> NS 	NS/NS	1	CR	V	NS (Literature from Africa)

<i>Pediculosis Pediculosis capitis</i>	Badri T, <i>et al.</i> 2010 ⁶⁵	<ul style="list-style-type: none"> • Empty nits (grey, translucent, ovoid eggs with flattened free ends) attached to the hair shaft (100.0%) 	<ul style="list-style-type: none"> • Clue: empty nits (grey, translucent, ovoid eggs with flattened free ends) attached to the hair shaft 	• NS	NS/NS	1	CR	V	NS (Literature from India)
<i>Pediculosis Pediculosis pubis</i>	Marwah M, <i>et al.</i> 2012 ⁶⁶	<ul style="list-style-type: none"> • Nits containing unhatched nymphs, translucent empty cases (100.0%) • Active lice (100.0%) 	<ul style="list-style-type: none"> • Clue: nits containing unhatched nymphs, translucent empty cases • Clue: active lice 	• NS • NS	NS/x10/x200	1	CR	V	NS (Literature from India)
	Sanaa K, <i>et al.</i> 2016 ⁶⁷	<ul style="list-style-type: none"> • Nits attached to eyelashes (100.0%) 	<ul style="list-style-type: none"> • Clue: nits attached to eyelashes 	• NS	NS/NS	1	CR	V	NS (Literature from Africa)
<i>Post-kala azar leishmaniasis</i>	Jayasree P, <i>et al.</i> 2020 ⁶⁸	<ul style="list-style-type: none"> • Crab-shaped pubic lice with thick claws grasping hair shaft (100.0%) 	<ul style="list-style-type: none"> • Clue: crab-shaped pubic lice with thick claws grasping hair shaft 	• NS	Polarized/NS	1	CR	V	NS (Literature from Africa)
	Jha AK, <i>et al.</i> 2018 ⁷⁰	<ul style="list-style-type: none"> • Yellow tears (100.0%) • Erythema (100.0%) 	<ul style="list-style-type: none"> • Follicular plugs • NA 	• NS • NS	Polarized/x10	1	CR	V	NS (Literature from India)

Thakur V, <i>et al.</i> 2021 ⁶⁹	<ul style="list-style-type: none"> • Yellow structureless areas (100.0%) • Decreased pigment network with preservation of dermal appendages (100.0%) 	<ul style="list-style-type: none"> • Yellow structureless areas • NA 	<ul style="list-style-type: none"> • Dermal granuloma • NS 	NS/x10	1	CR	V	NS (Literature from India)
Swarnkar B, <i>et al.</i> 2022 ⁷¹	<p>Hypopigmented macule:</p> <ul style="list-style-type: none"> • Decreased pigment network with preserved hair follicles (NS) • Yellow-brown tears (NS) • Marginal white scales (NS) <p>Papules:</p> <ul style="list-style-type: none"> • Background erythema (NS) • White and yellow-orange areas (NS) • Yellow tears (NS) • White scales (NS) <p>Plaques:</p> <ul style="list-style-type: none"> • Background erythema (NS) • White and yellow areas (NS) • White scales, perifollicular predominance (NS) <p>Nodules:</p> <ul style="list-style-type: none"> • Background erythema (NS) 	<ul style="list-style-type: none"> • NA • Follicular plugs • Peripheral white scales 	<ul style="list-style-type: none"> • NS • Keratinous plugs • NS 	Polarized/x10	1	CR	V	NS (Literature from India)
	<ul style="list-style-type: none"> • White and yellow areas (NS) • Yellow tears (NS) • Focused linear branching vessels over margin (NS) 	<ul style="list-style-type: none"> • Structureless white and yellow areas • Follicular plugs • Peripheral linear vessels with branches 	<ul style="list-style-type: none"> • NS • NS • Keratinous plugs • Upward displacement by underlying granuloma and dense infiltrate 					

<i>Tick bite</i>	Mathur M, <i>et al.</i> 2019 ⁷²	<ul style="list-style-type: none"> • Pinkish red area (100.0%) • Tick with four pair of limbs (100.0%) • Pale area with scaling at tick attachment site (100.0%) 	<ul style="list-style-type: none"> • NA • Clue: tick with four pair of limbs • NA 	<ul style="list-style-type: none"> • NS • NS • NS 	Polarized/x20	1	CR	V	NS (Literature from Nepal)
<i>Tungiasis</i>	Sendagorta E, <i>et al.</i> 2012 ⁷³	<ul style="list-style-type: none"> • Central brown ring, central pore and faint pigmented peripheral ring (100.0%) • Whitish halo (100.0%) 	<ul style="list-style-type: none"> • Clue: central brown ring, central pore and faint pigmented peripheral ring • Peripheral white structure-less area 	<ul style="list-style-type: none"> • NS • NS 	NS/NS	1	CR	V	NS (“Black patients”)
<i>Wound myiasis</i>	Vinay K. <i>et al.</i> 2017 ⁷⁴	<ul style="list-style-type: none"> • Larvae, caudal larval end with two oval openings, incomplete peritreme and prominent slits (100.0%) 	<ul style="list-style-type: none"> • Clue: larvae, caudal larval end with two oval openings, incomplete peritreme and prominent slits 	<ul style="list-style-type: none"> • Caudal respiratory apparatus, posterior spiracle, multiple tiny spines on the body surface, incomplete peritreme, prominent slit in each of the three spiracles 	Polarized/x10	1	CR	V	NS (Literature from India)

NA: Not applicable; NS: Not specified; CR: Case series; C-C: Case-control study