



DERMOSCOPY AND SKIN IMAGING

## **“NAIL-LIKE APPERANCE”- CHARACTERISTIC FEATURE OF HAIR FRACTURE CAUSED BY HAIR DYE UNDER DERMOSCOPY**

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**Background:** The reddish-brown amorphous plaque that ressemble excoriated lesions on the scalp and the similar color of surrounding dyed hairs highly indicated the diagnosis of hair fracture caused by hair dye.

**Observation:** A 39-year-old-woman cousulted us for neatly-broken hair after redyeing her hair on forehead margin of the scalp with a 1-day history.The broken ends curled slightly downward under polarized light,analogous to nails used in construction,which serve as a diagnostic clue and has not been observed in previous dermatoscope.This was further confirmed considering the absence of high-temperature perm history and should be in differential diagnosis from tinea capitis and trichotillomania.Three months after washing off the hair dye,the newly grown hair was erect.

**Key message:** Trichoscopy;Hair dye; Hair fracture

