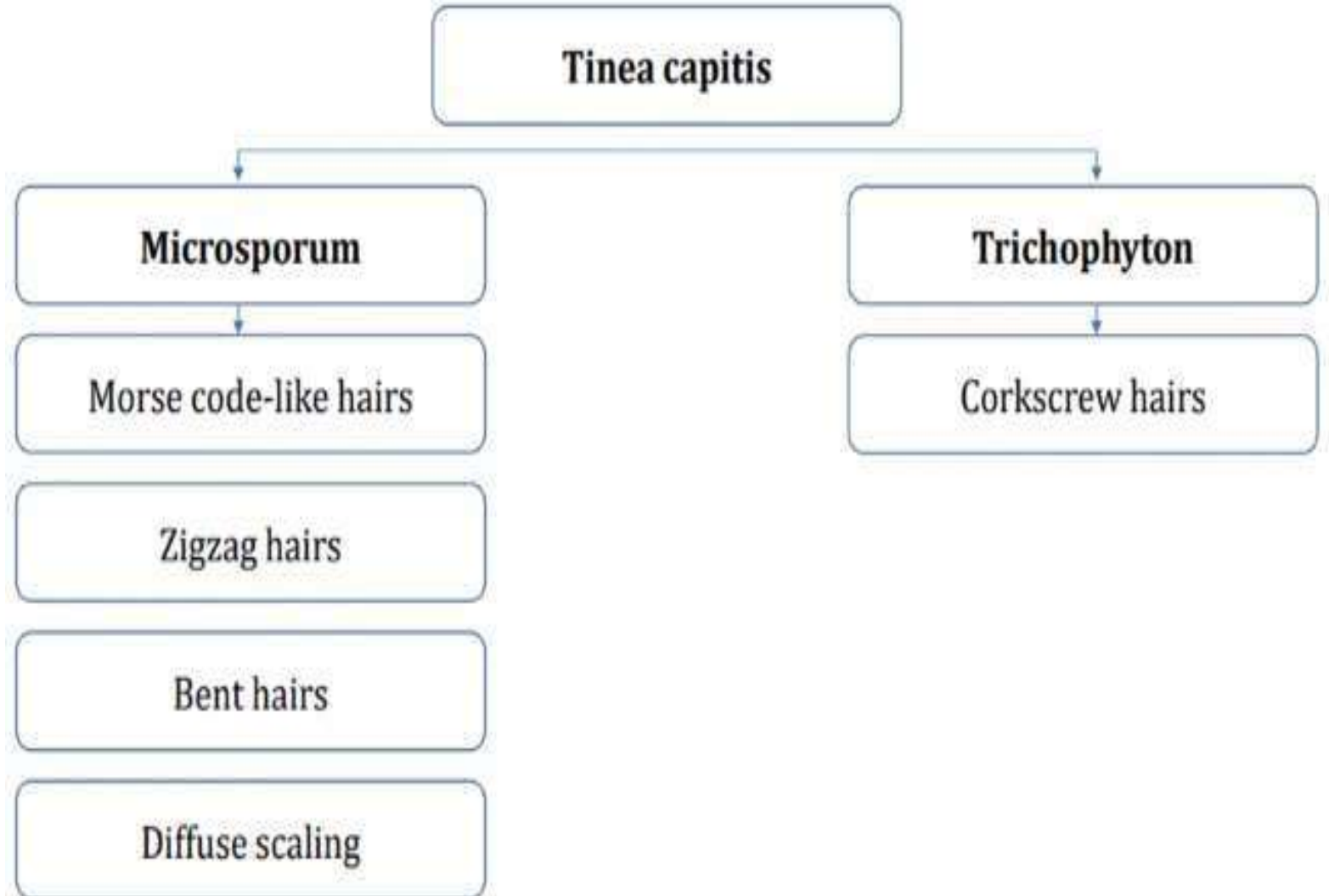


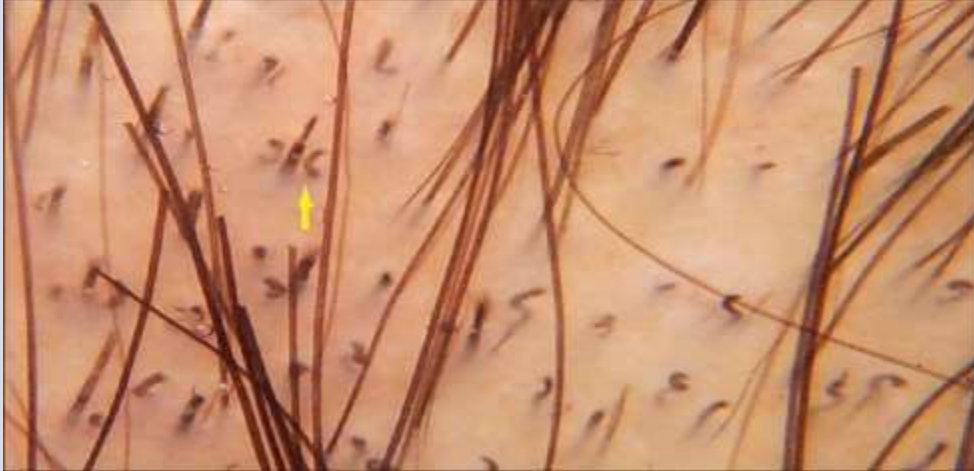

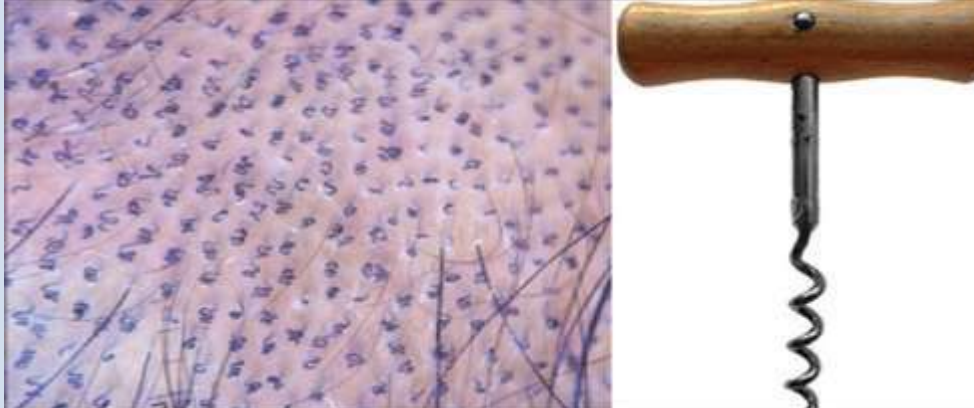



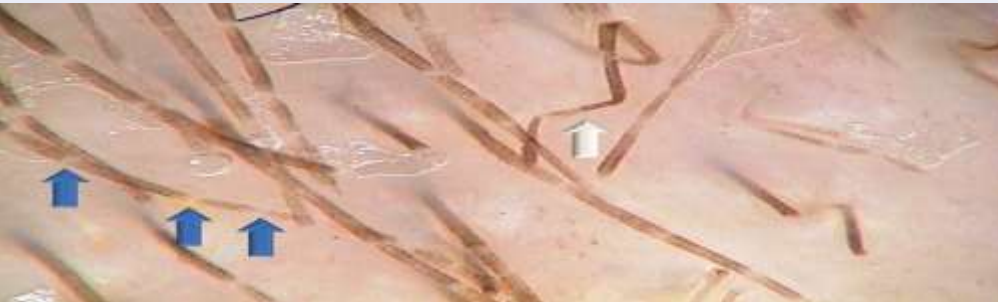
DERMAPEARL : DERMOSCOPY- 5

NON CICATRICAL ALOPECIA-3, TINEA CAPITIS

- Tinea capitis is a cutaneous fungal infection or dermatophytosis of the scalp mainly caused by *Microsporum* and *Trichophyton* species
- Trichoscopy is a useful method in the diagnosis of tinea capitis.
- **Trichoscopy may be a helpful method in the differentiation between *Microsporum* and *Trichophyton* tinea capitis**



Dermoscopic finding	Inference	Image
<p>COMMA HAIR</p>	<p>These are a result of partial damage to hair shafts filled with hyphae or damage to the hair cuticle. The fungal elements infecting the hair shaft cause the hair to bend.</p>	
<p>MORSE CODE HAIR</p>	<p>Morse code-like hairs are formed due to the accumulation of spores around the hair shaft that cause a transverse perforation of the hair shaft. They were only described in patients with ectothrix-type fungal infection</p>	
<p>COCKSCREW HAIR</p>	<p>Corkscrew hairs are multiple twisted and coiled hairs with corkscrew-like structure and specific trichoscopic finding of tinea capitis caused by <i>Trichophyton</i></p>	

Dermoscopic finding	Inference	Image
I HAIR	i-Hairs are block hairs with an accented dark distal end (that looks like alphabet i).	
BLOCK HAIR	Block hairs are very short hairs with a transverse horizontal distal end with no distal accentuation .	

Zigzag Hairs

- are **bent hairs with multiple sharp angles**. Their formation results from incomplete, transverse fractures along the hair shaft
- Zigzag hairs were **only described in patients with ectothrix-type fungal infection**

Bent Hairs

- Bent hairs are characterized by bending of the hair shaft with homogeneous thickness and pigmentation. **In contrast to comma hairs, no hair shaft shortening is observed**
- They were **only observed in patients with ectothrix-type fungal infection**

Other commonly observed, but not characteristic, trichoscopic findings of tinea capitis include **broken hairs, black dots, coiled hair, loop hair and perifollicular and interfollicular scaling.**



COILED HAIR



LOOP HAIR

- Waśkiel-Burnat, A., Rakowska, A., Sikora, M. *et al.* Trichoscopy of Tinea Capitis: A Systematic Review. *Dermatol Ther (Heidelb)* **10**, 43–52 (2020). <https://doi.org/10.1007/s13555-019-00350-1>
- Chiramel MJ, Sharma VK, Khandpur S, Sreenivas V. Relevance of trichoscopy in the differential diagnosis of alopecia: A cross-sectional study from North India. *Indian J Dermatol Venereol Leprol* 2016;82:651-658

**Dr.T.Vani &
Dr. Y. Rajyalakshmi**