



HAIR DISORDERS

## CLINICOTRICHOSCOPIC STUDY OF SCALP AND HAIR DISORDERS

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**INTRODUCTION:** Dermoscopy shows much promise in the diagnosis of various skin disorders. This study was conducted to assess the usefulness of dermatoscopy in the clinical evaluation of different scalp and hair disorders.

**OBJECTIVES:**

1. To assess the usefulness of dermatoscopy in the clinical evaluation of various scalp and hair disorders.
2. To establish the importance of new technique i.e. dermatoscopy in our dermatology department of Mysore Medical College and Research Institute.

**MATERIALS AND METHODS:** A total of 200 patients who consented were studied for a period of 2 years (December 2015 to December 2017). Trichoscopy was performed with DermLite DL3 dermoscope and lesions were evaluated for follicular and interfollicular patterns.

**RESULTS:** Out of 200 patients, 102 patients were males and 98 were females. The mean age was 26.4 years. The most common disorder seen was alopecia areata (29%) followed by tinea capitis (14%). The most common dermoscopic findings were broken hairs (35%) and short vellus hairs (34%). Characteristic dermoscopic findings of alopecia areata were tapering hairs, short vellus hairs, yellow dots and black dots. Androgenetic alopecia showed specific findings like hair diameter diversity and empty follicles. Trichotillomania on dermoscopy showed broken hairs of different lengths, black dots, v-shaped hairs and microhaemorrhages. Comma hairs, broken hairs and corkscrew hairs were found in tinea capitis. Scalp psoriasis had silvery white scales, red dots and globules whereas seborrhoeic dermatitis showed yellowish scales and arborising vessels on trichoscopy. Primary cicatricial alopecias were characterized by dermoscopic findings of lack of follicular ostia. Furthermore, follicular plugging and arborising vessels were specifically seen in discoid lupus erythematosus. Folliculitis decalvans specifically showed tufted hairs and "star burst sign" on dermoscopy.

**DISCUSSION:** Dermoscopy is a simple, easy to use, relevant diagnostic tool in the evaluation of scalp and hair disorders both for differential diagnosis and prognostic



# ABSTRACT BOOK

## ABSTRACTS



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