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Study of clinical and dermoscopic features of periorbital hyperpigmentation**Geetika Chhabra***VMMC and Safdarjung Hospital, India*

Introduction: Periorbital hyperpigmentation (POH) is a complex entity with a multifactorial etiology factors promoting its occurrence can be exogenous as well as endogenous. Dermoscopy of periorbital area may help in finding origin of pigment whether it is due to melanin or due to underlying vasculature. Polarized dermoscopy may be useful in evaluating pigment network and vascular structures, whereas non-polarized dermoscopy was utilized in evaluating superficial skin changes such as scaling and fissuring.

Aims and objectives: The study aimed to assess clinical and dermoscopic features of POH and association of dermoscopic features with clinical subtypes of POH.

Material and Methods: It was a cross-sectional hospital based study of 90 patients with POH from the outpatient department, dermatology. Diagnosis of POH was made clinically and the patients were classified according to the classification proposed by Ranu et al. Digital photographs and dermoscopy photographs in both polarized and non-polarized light were taken.

Conclusion: Clinically, constitutional type was the commonest presentation of POH and multicomponent pattern represented the majority of POH on dermoscopy. Pigmentary and vascular patterns can be studied objectively with the help of dermoscopy. Dermoscopy is a handy, non-invasive adjunct tool to study etiology and other associated factors which aids in diagnosis and management.

Biography

Dr Geetika Chhabra have completed my residency programme MD Dermatology from Vardhman Mahavir Medical College and Safdarjung hospital, Guru Gobind Singh Indraprastha University, New Delhi in June 2021. I am presently working as a Senior Resident in the department of dermatology & STD at B.R Ambedkar Medical college, New Delhi. I have 13 publications in indexed international journals as lead author and 2 others have been accepted for publication in indexed journal. I have presented in various international and national conferences along with newsletter publications during and after my residency. I have special interests in fields of cosmetology, dermoscopy and pediatric dermatology with focus on research in clinical and dermoscopy features of periorbital melanosis have been carried. I am sure this conference will help me shape my career, facilitate and encourage my future endeavours.