

# Research and Reviews: Journal of Medical And Health Sciences

## Late Advances and New Ideas into the Diversity of Dermatology

Vishal Tripathi

Amity Institute of Biotechnology, Amity University, Noida, India

### Editorial Article

Received: 13/03/2015  
Revised: 14/04/2015  
Accepted: 21/04/2015

#### \*For Correspondence

Amity Institute of Biotechnology, Amity University, Noida, India, Tel: 07032857378; E-mail: [tripatvi@gmail.com](mailto:tripatvi@gmail.com)

Keywords: Dermatology, skin infections, apoptosis

### INTRODUCTION

This survey expects to fortify future examination exercises on the promising flagging pathways which may be most useful to disentangle the pathogenesis of distinctive skin infections. Regardless of the gigantic exploration of present day Dermatology, Psoriasis remains the most puzzling of dermatoses. Over the span of the ailment, an awesome mixture of skin injuries may create a large number of which are auxiliary to granulomatous cutaneous infection, receptive skin ejections, healthful lack, and other related conditions.

Albeit regularly a sickness of immaturity, skin inflammation vulgaris is an exceedingly predominant condition that torments more than 85% of the populace. The pathogenesis of skin inflammation vulgaris may be clarified at the level of genome regulation [1,2]. A late theory recommended that a relative atomic lack of interpretation variable Fox O1 assumes a key part in pathogenesis of skin inflammation vulgaris. FLG is coding quality is situated in the epidermal separation complex on chromosome 1q21. Change in FLG or absence of interpretation of protein fillagrin has been demonstrated to incline to the advancement of IV and atopic dermatitis/dermatitis [3-5].

In perspective of the part of p53 in DNA repair and apoptosis in keratinocytes it was possible that nutlin has the capacity animate repair of CPD and potentially influence apoptosis in epidermis presented to UVB. This study demonstrates that the Mdm2 inhibitor, nutlin, actuates p53 in the epidermis in UVB-illuminated mice. This was joined by a noteworthy decline in the recurrence of the phones harboring thymine dimers and reduced keratinocyte apoptosis. We recommend that the diminished apoptosis is created by improved CPD repair because of p53 initiation by topically connected nutlin. It is possible that nutlin may be utilized for chemoprevention of squamous cell carcinoma in people [6].

Psoriasis is described by T-cell intervened hyperproliferation of keratinocytes started by antigen exhibiting cells on the skin. Ecological variables including  $\beta$  hemolytic streptococcus contaminations and different hereditary parts may be in charge of the pathogenesis of the sickness [7-9]. However the antigen which starts the immunologic responses has not yet been known. We expected to assess the relationship between streptococcal and other bacterial diseases and psoriasis through estimation of some contamination markers [10,11]. Footing alopecia is male pattern baldness because of drawn out or redundant pressure on the hair. Symptomatic difficulties may be experienced if the clinical suspicion for footing is not high, or if the historical backdrop of footing is remote or not acquired. We have mentioned the objective fact that the vicinity of held hairs along the frontal and/or worldly edge, which we termed the "periphery sign", is a finding that can be seen in both early and late footing alopecia, and in this manner may be a valuable clinical marker of the condition and has been watched basically in Sikh guys [12,13]. Held sebaceous organs, diminished terminal hairs, and fibrotic stringy tracts were noted in every

single histopathologic example. Footing alopecia is balding because of delayed or tedious pressure on the hair. Indicative difficulties may be experienced if the clinical suspicion for footing is not high, or if the historical backdrop of footing is remote or not acquired. We have mentioned the objective fact that the vicinity of held hairs along the frontal and/or transient edge, which we termed the "periphery sign", is a finding that can be seen in both early and late footing alopecia, and in this way may be a helpful clinical marker of the condition and has been watched generally in Sikh guys. Held sebaceous organs, diminished terminal hairs, and fibrotic sinewy tracts were noted in every histopathologic example.

The postoperative injury disease after significant stomach surgery was the one of the purposes behind expanding medicinal cost, for example, utilizing anti-infection agents; need to change of bandage or dressing materials a few times in a day, and delaying hospitalization [14,15]. Pemphigus vulgaris is a chronic autoimmune mucocutaneous disease characterized by the formation of intraepithelial blisters. It results from an autoimmune process in which antibodies are produced against desmoglein 1 and desmoglein 3, normal components of the cell membrane of keratinocytes. The first manifestations of pemphigus vulgaris appear in the oral mucosa in the majority of patients, followed at a later date by cutaneous lesions. The diagnosis is based on clinical findings and laboratory analyses, and it is usually treated by the combined administration of corticosteroids and immunosuppressants. As of late a few reports proposed that utilization of suture (PDS-II: polydioxanone; Ethicon Inc, Somerville, NJ) for sub-cuticular conclusion and utilization of Octyl- 2-octylcyanoacrylate (Dermabond; Ethicon Inc, Somerville, NJ) for skin dressing, were viable for good beauty care products and for diminishing the event rate of surgical site contamination (SSI) after surgery. Dermabond gives epidermal injury conclusion identical to economically accessible gadgets with a pattern to diminished rate of wound contamination and it has slight antibacterial movement against MRSA [16]. The term erythrokeratoderma is connected to a gathering of acquired issue of keratinisation portrayed by very much delineated erythematous injuries and hyperkeratotic plaques. Erythrokeratoderma en cocardes is an atypical variation portrayed by the vicinity of transient hyperkeratotic and erythematous plaques. The pathogenetic instruments of the vast majority of the erythrokeratodermas are identified with transformations in the connexin quality family, however as of recently, there is no data concerning the hereditary changes that are in charge of the presence of the erythrokeratoderma en cocardes. Here in we report the first instance of a patient with erythrokeratoderma en cocardes in whom a change in GJB3 has been found, yet the clinical ramifications of this discovering stay to be clarified [17].

## REFERENCES

1. Melnik BC. FoxO1- the key for the pathogenesis and therapy of acne? J Dtsch Dermatol Ges. 2010;8:105-113.
2. Melnik BC. Acneigenic Stimuli Converge in Phosphoinositol-3 Kinase/Akt/FoxO1 Signal Transduction. J Clin Exp Dermatol Res. 2010;1:101.
3. Smith FJ, et al. Loss-of function mutations in the gene encoding filaggrin cause ichthyosis vulgaris. Nat Genet. 2006;38: 337-342.
4. Bremner SF, et al. Clinical detection of ichthyosis vulgaris in an atopic dermatitis clinic: implications for allergic respiratory disease and prognosis. J Am Acad Dermatol. 2008;59: 72-78.
5. C Li, et al. Filaggrin Mutations are Associated with Ichthyosis Vulgaris in the Southern Chinese Population. J Clin Exp Dermatol Res. 2010;1:102.
6. Lerche CM, et al. Topical Nutlin-3 Potentiates the UVB-induced p53 Response and Reduces DNA Photodamage and Apoptosis in Mouse Epidermal Keratinocytes in Vivo. J Clin Exp Dermatol Res. 2010;1:106.
7. van de Kerkhof P. Papulosquamous and eczematous dermatoses. In: Bologna JL, Jorizzo JL, Rapini RP. Dermatology. Mosby Spain 2003.

8. Gudjonsson JE, et al. Streptococcal throat infections and exacerbation of chronic plaque psoriasis: a prospective study. *Br J Dermatol*. 2004;151: 244-245.
9. Skov L and Baadsgaard O. Bacterial superantigens and inflammatory skin diseases. *J Clin Exp Dermatol*. 2000;25: 57-61.
10. Nørholm-Pedersen A. Infections and psoriasis; a preliminary communication. *Acta Derm Venereol*. 1952;32: 159-167.
11. Carrol ED, et al. Procalcitonin as a marker of sepsis. *Int J Antimicrob Agents*. 2002;20: 1-9.
12. Szepietuk G, et al. About a Rare and Specific Clinical Entity: The Alopecic and Aseptic Nodules of the Scalp. A Case Report and a Literature Review. *J Clin Exp Dermatol Res*. 2010;1:107.
13. James J, et al. Traction alopecia in Sikh male patients. *J Am Board Fam Med*. 2007;20: 497-498.
14. Samrao A, et al. The “Fringe Sign” A Useful Clinical Finding in Traction Alopecia of the Marginal Hair Line. *J Clin Exp Dermatol Res*. 2011;2:117.
15. Mahmoud NN, et al. Impact of surgical site infections on length of stay and costs in selected colorectal procedures. *Surg Infect (Larchmt)*. 2009;10: 539-544.
16. Shimoda M. Surgical Site Infection Rate of PDS-II and Dermabond Versus Vicryl and Silk in Major Abdominal Surgery Using the Pig Liver Resection Model. *J Clin Exp Dermatol Res*. 2010;1:110.
17. López-Ferrer A, et al. Erythrokeratoderma En cocardes with R32W Mutation in *GJB3*. *J Clin Exp Dermatol Res*. 2010;1:113.