

Induction of new lesion in normal skin by trauma or scratching

- Warts
- Psoriasis
- Lichen planus
- Vitiligo

+ve in Köbner phenomenon

Trauma

- guttate psoriasis
 - beta-haemolytic streptococci
 - explosive forms
 - HIV
- Infection

- in postpartum have a rebound
 - improves in pregnancy
 - hypothyroidism
 - hypocalcemia
- Hormonal

Improves

Sunlight

- Antimalarials, beta-blockers
 - withdrawal of systemic steroids or potent topical steroids
 - 'rebound'
- Drugs

- Palmoplantar Pustular Psoriasis
- Cigarette smoking and alcohol

exacerbations

Emotion

Usually diagnosed clinically

Biopsy

- guttate psoriasis
- Throat swabbing for beta-haemolytic streptococci

- Fungal infections
- Skin scrapings and nail clippings

Arthropathy

Radiology

- Dermatology Life Quality Instrument
- Questionnaire
- DLQI

- Psoriasis Area and Severity Index
- quantifies
- PASI

- scaliness
- erythema
- thickness

>10% severe extent

Precipitating factors

Intro

- chronic, non-infectious, inflammatory
- well-defined salmonpink plaques bearing large adherent silvery centrally attached scales
- Affects white people mainly

Cause

- genetic predisposition
 - one affected parent has a 16%
 - rises to 50% if both
- environmental trigger
 - hidden antigens
- key abnormalities
 - hyperproliferation of keratinocytes
 - excessive number of germinative cells enter the cell cycle
 - growth fraction is almost 100% compared with 30% in normal skin
 - turnover time is greatly shortened
 - Normally 30-60 days
 - Becomes 10 days
 - inflammatory cell infiltrate
 - neutrophils
 - lymphocytes
 - Th17
 - T1

Histology

- Parakeratosis
 - nuclei retained in the horny layer
- Irregular thickening of the epidermis
- Epidermal polymorphonuclear leucocyte infiltrates
 - Munro in stratum corneum
- Dilated and tortuous capillary loops in the dermal papillae
- T-lymphocyte infiltrate in upper dermis

Complications

- Arthropathy
 - Distal arthritis
 - Most characteristic
 - Oligoarthritis
 - Single joint
 - Most common
 - Polyarthritis
- Erythrodermia
- Metabolic syndrome
- IHD

Presentation

Psoriasis

Investigations