

# MUCOCUTANEOUS MANIFESTATIONS OF HIV INFECTION

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# CHARACTERISTIC FEATURES

- HIV is an enveloped RNA virus of genus Lentivirus, fam.Retroviridae
- Mucocutaneous manifestations are often first sign of HIV infection
- Clinical presentation correlates with immune status ( viral load and CD 4+ cell count )
- Atypical skin eruptions
- Skin diseases with exaggerated presentations ( MC, Seb.Derm.)
- Sudden acute exacerbations ( Psoriasis )
- Resistant cases of HIV –related skin diseases are common

# CHARACTERISTICS—Ctd.

- Treatment failures ( refractory dermatophytic infection )
- Opportunistic infections , mixed infections , drug reactions
- HIV infection reactivates latent viral / bacterial infection
- Seroconversion exanthem :
  - 3 to 6 weeks after infection ( 60% of cases )
  - mild glandular fever-like picture
  - morbilliform eruption
  - lasts 4 weeks

# CLASSIFICATION

- Infectious HIV- related cutaneous diseases :
  - Viral : HSV , VZV , MC , HPV , EBV , CMV opportunistic infection
  - Bacterial : Impetigo, Folliculitis , recurrent cellulitis  
Bacillary Angiomatosis , MOTT-infection  
Syphilis , Botryomycosis , Periodontal disease
  - Fungal : Candidiasis , Superficial dermatophytic infections  
Systemic fungal infections ( Histoplasmosis , Cryptococcosis )
  - Parasitic : disseminated PCP , Norwegian scabies , severe insect bite reactions

# NON-INFECTIOUS HIV- related CUTANEOUS DISORDERS

- Papulosquamous : - Seborrhoeic dermatitis
  - Psoriasis , Reiter` s disease
  - Acquired Ichthyosis
- Pruritic Papular Eruption of HIV
- Eosinophilic Folliculitis
- Vasculitis
- Photosensitivity reactions : Porphyria ( PCT )
  - Chr. Actinic Dermatitis

# Ctd.

- **Metabolic changes** : Lipodystrophy ( HIV on HAART)
  - Insulin resistance
  - Malnutrition
- **Drug sensitivity** – common ( Co-trimoxazole , anti-TB drugs , HAART  
Griseofulvin , Sulphonamides : FDE , Erythema Multiforme , SJS / TEN
- **Hair abnormalities** : lustreless, brittle, diffuse alopecia, elongation of eyelashes
- **Nail discoloration** : Proximal white subungual onychomycosis  
Chr. Paronychia ( Candida )

# NEOPLASTIC HIV-related CUTANEOUS DISORDERS

- Kaposi` sarcoma – HHV 8 implicated in causation
  - not correlated with the degree of immunosuppression
  - seen in any stage of HIV infection
  - men , homosexuals
  - widespread ( limbs, face, trunk , mouth )
- B-cell lymphoma > Mycosis Fungoides ( CTCL )
- Children : MALT lymphoma
- SCC / BCC : appear earlier , more on un-exposed areas , aggressive locally invasive ; metastases of BCC – recorded

# Ctd.

- Multiple dysplastic nevi ( larger , more pigment variability )
- Melanoma : not having worse prognosis in HIV
- Smooth muscle tumours : leiomyoma and leiomyosarcoma ( children)
- Tumours in unusual sites ( adrenal gland )



# ORAL CAVITY DISEASE

- Candidiasis
- Hairy leucoplakia
- Gingivitis and periodontal disease
- Aphthous ulcers
- Dental abscesses
- Oral mucosa warts
- Pigmentation due to AZT
- Kaposi` sarcomas
- BCC / SCC – not more than in general population but more aggressive