FUNGAL INFECTIONS

Superficial fungus

1) Dermatophytes
2) Pityriasis versicolor
3) Candidiasis

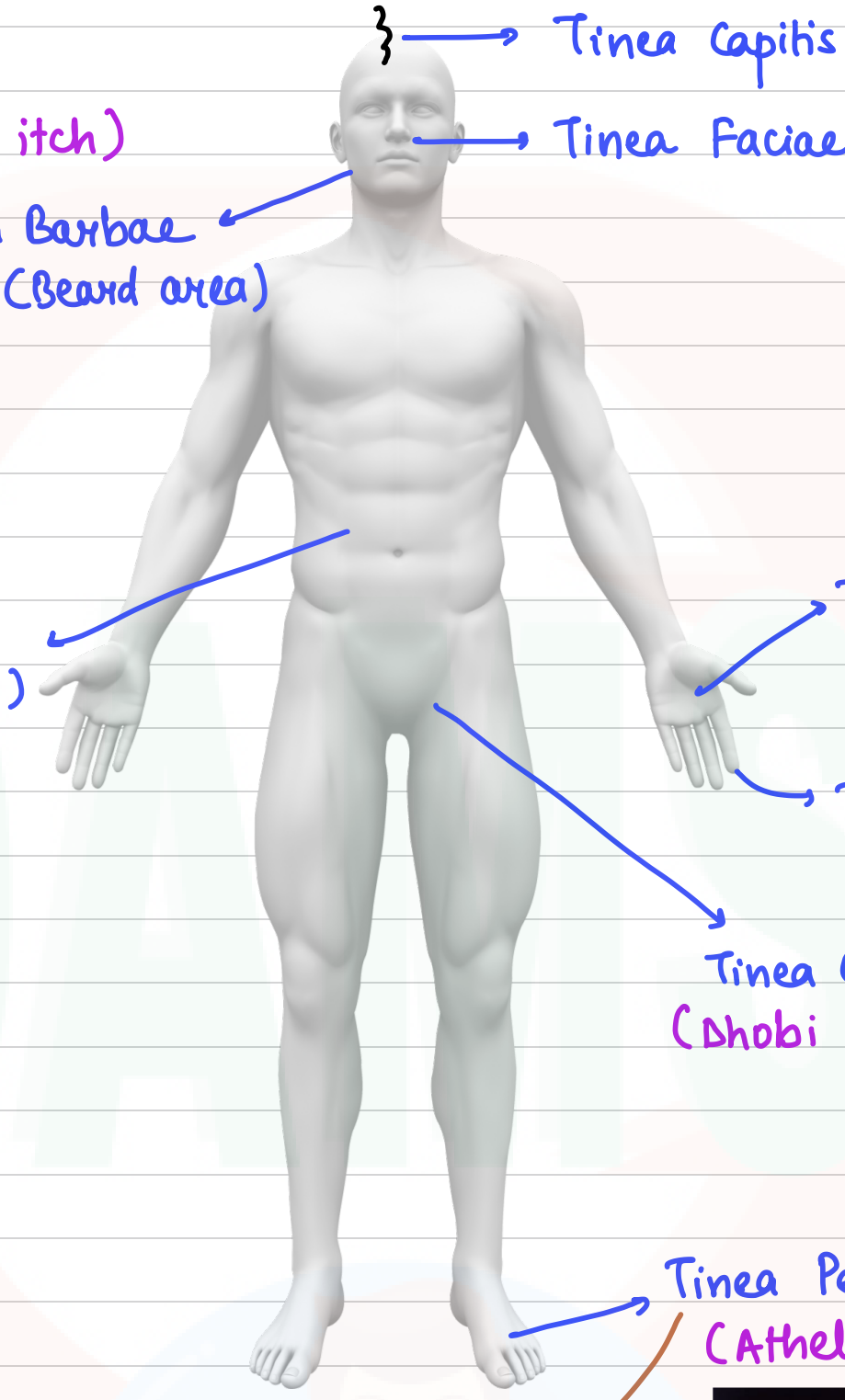
Sub-cutaneous fungus

1) Mycetoma
2) chromoblastomycosis
3) Sporotrichosis.

DERMATOPHYTE

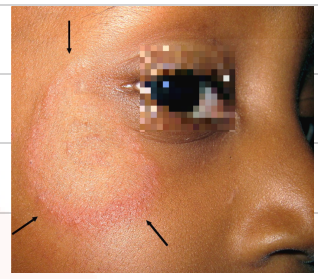
→ keratophillic fungus.

	SKIN	NAIL	HAIR
Trichophyton (three)	✓	✓	✓
Microsporum (P) (M ✗ N)	✓	✗	✓
Epidermophyton	✓	✓	✗



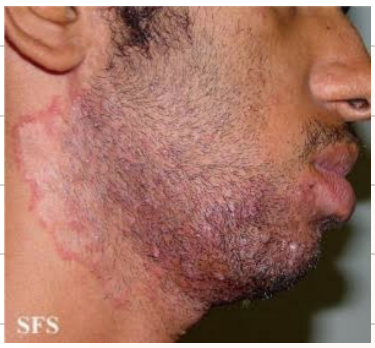
Tinea Capitis

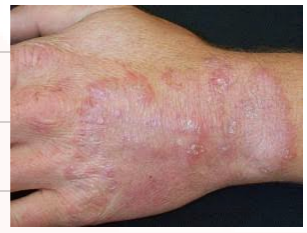
Tinea Faciae



(Barber's itch)

Tinea Barbae
(Beard area)



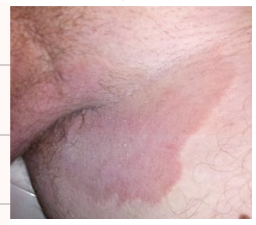


Tinea Corporis
(Body)

Tinea Manum
(Hand)

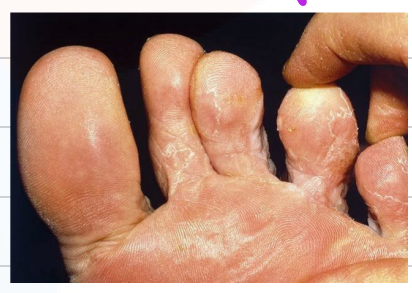
Tinea Ungium
(nail)

Tinea Cruris
(Dhobi itch / Jock itch)



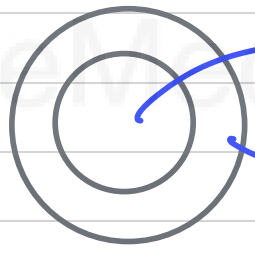
Tinea Pedis
(Athelet's foot)

4th web space
(MC Site)



→ C/F :-

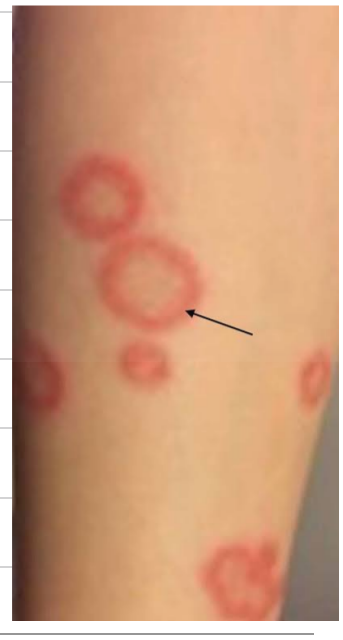
Annular plaque with central clearing



Centre = clear

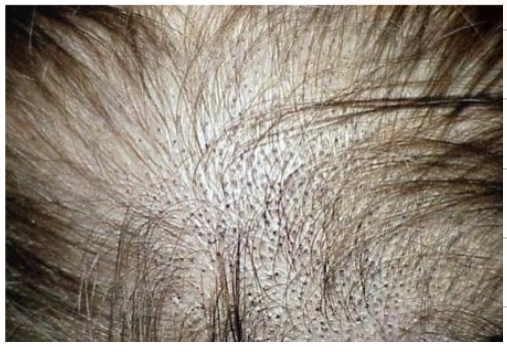
Periphery → Redness, Scales

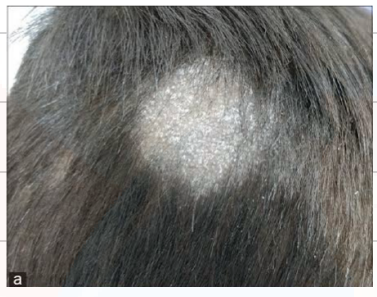
"RINGWORM"



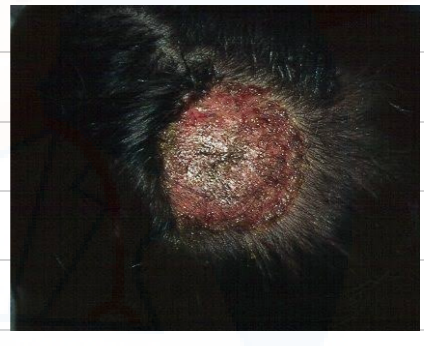
TINEA CAPITIS

- Non-inflammatory
  - Endothrix
    - Black dot type
    - T. Tonsurans
    - T. Violaceum
    - Ⓟ/ Black & White TV
  - Ectothrix
    - (MC) Grey Patch type
    - M. Canis

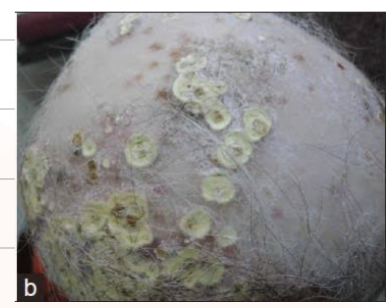




- inflammatory
  - Kerion
    - Boggy Swelling on the Scalp
    - a/w Discharging Sinus
    - a/w Matting of Hair
    - a/w Scarring
    - T. Verrucosum
    - T. Mentegrophyte
    - Ⓟ Kendriya Vidhya Mandir



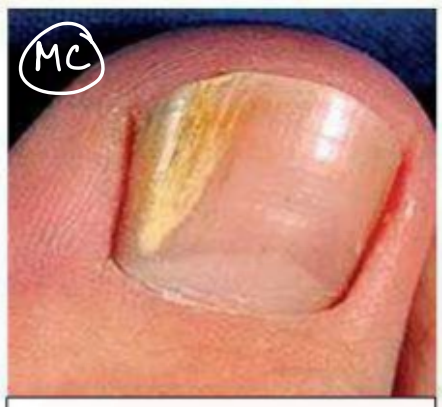
  - Favus
    - Yellow coloured Scales
    - a/w "SCUTULA"
    - a/w Scarring



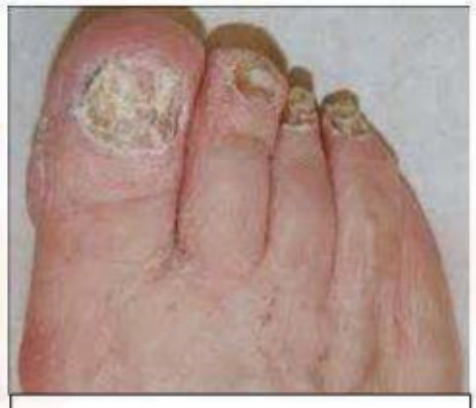
TINEA UNGIUM

→ Dermatophytic infection of the nail plate.

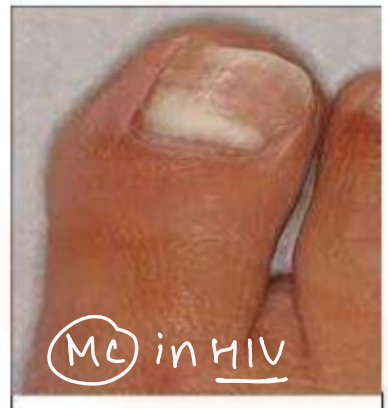
→ onychomycosis = Dermatophytic + non-dermatophytic infections of nail.



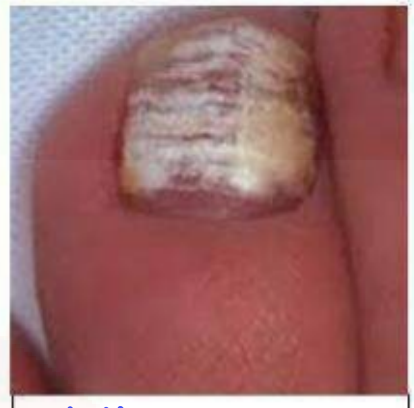
Distal lateral Subungual onychomycosis



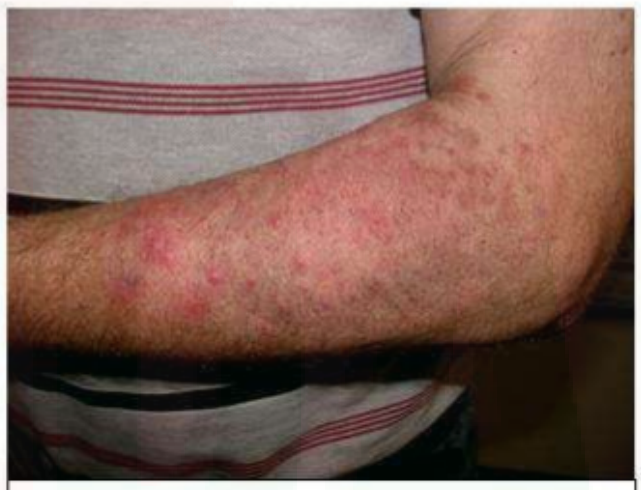
Total Dystrophic



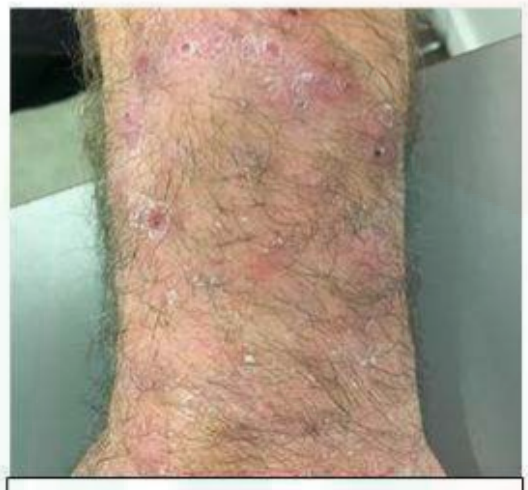
Proximal subungual onychomycosis



White superficial onychomycosis



TINEA INCOGNITO

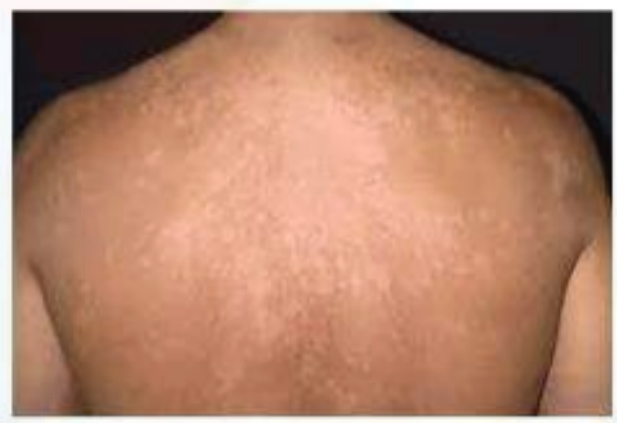


MAJOCCHI's Granuloma

PITYRIASIS VERSICOLOR

- Caused by: Mallasezia Globosa (or) M. furfur.
- c/f Multiple discrete to Confluent macules (Perifollicular) on trunk.
- hypopigmentation due to- AZEALIC ACID

  hyperpigmentation is due to : Stimulation of melanosome
- KOH mount
  - → Sphaghetti & meat ball Appearance
  - → Banana & Grape Appearance

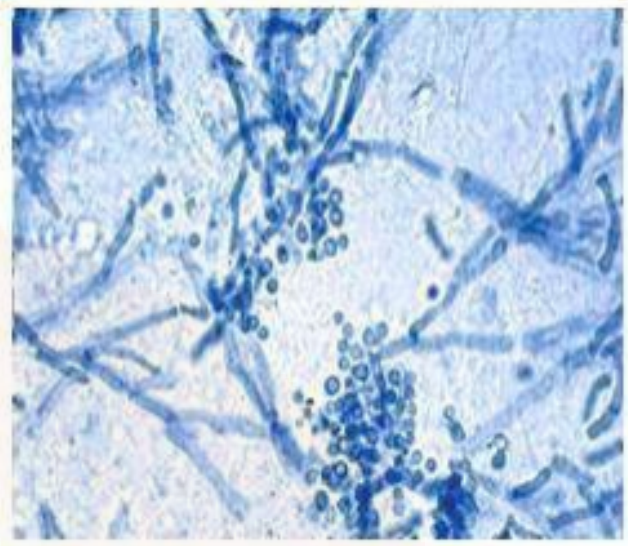


- WOOD's lamp

  Pteridine → yellow colour

- TOC-

  IMIDAZOLE (antifungal drug)



→ Scratch Sign / BESNIER's Sign : exacerbation of scales on scratching

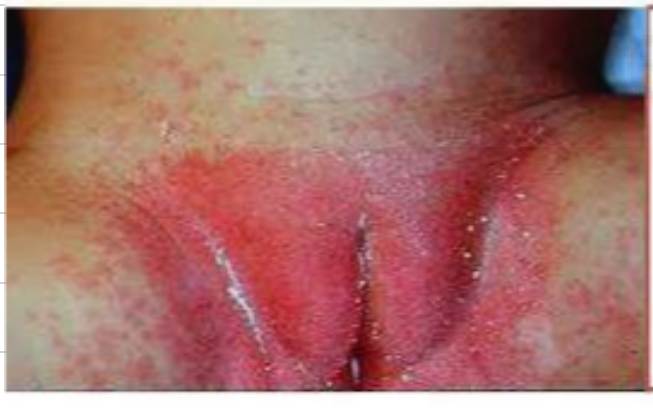
—— x ——

BLACK PIEDRA

Piedra HORTAE

WHITE PIEDRA

TRICHOSPORUM BEGELIE



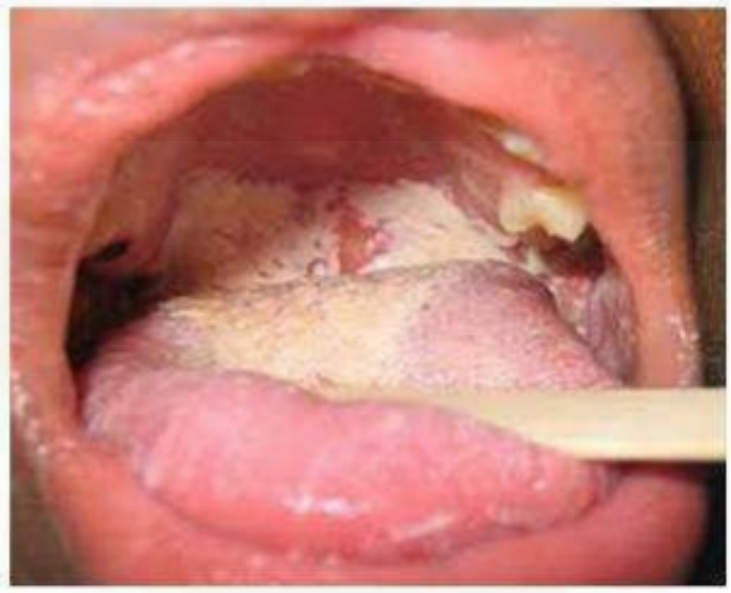
CANDIDA INFECTION

Candidal intertrigo

- Sf : erythematous itchy plaques on flexors
  Satellite lesions ++

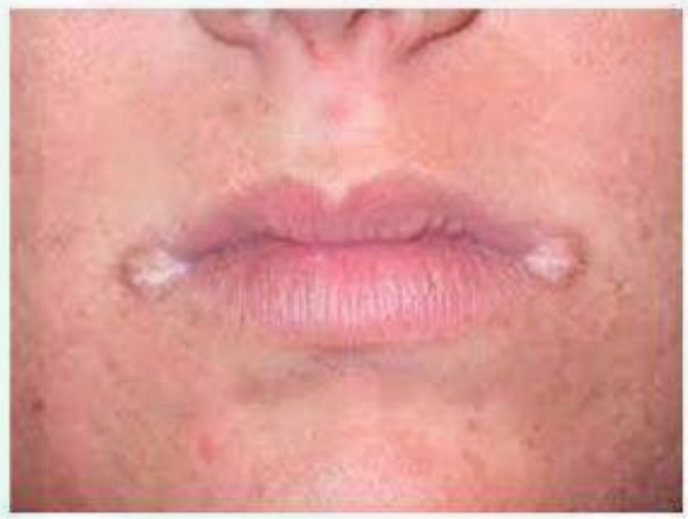
THRUSH → M/C

Acute pseudomembranous oral Candidiasis



PERLECHE

↳ Infection of the angle of mouth.

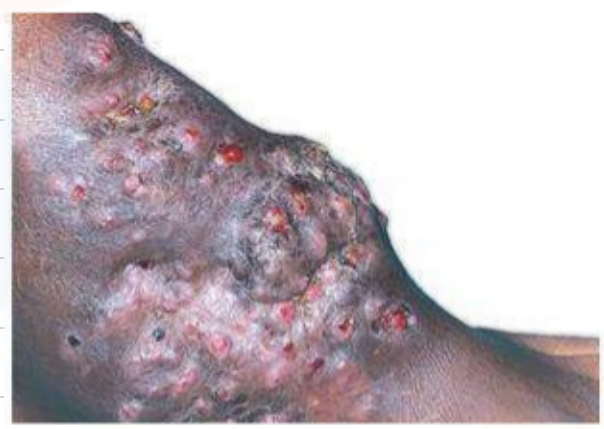


DEEP FUNGAL INFECTIONS

MYCETOMA

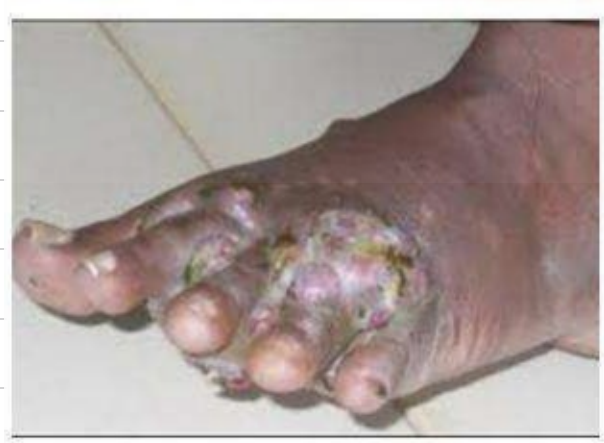
→ Clinical triad :-

1) Tumour / swelling
2) Discharging Sinus
3) Grain



→ Types :-

- Eumycetoma
- Actinomycetoma



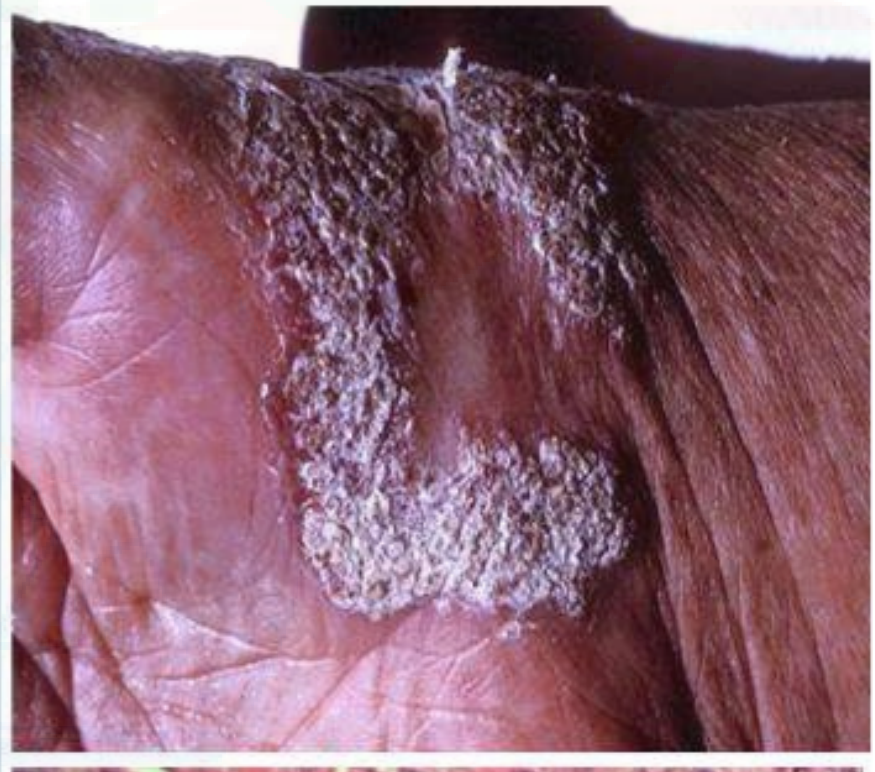
Eumycotic mycetoma	Achinomycotic mycetoma
Fungal mycetoma	Bacterial
Slow growing	fast growing
More deformities	less deformities
black grains	Yellow grains
Grain Size = 4-5 microns	Grain Size = 1-1.5 microns
Rx = antifungals	Rx = Antibiotics

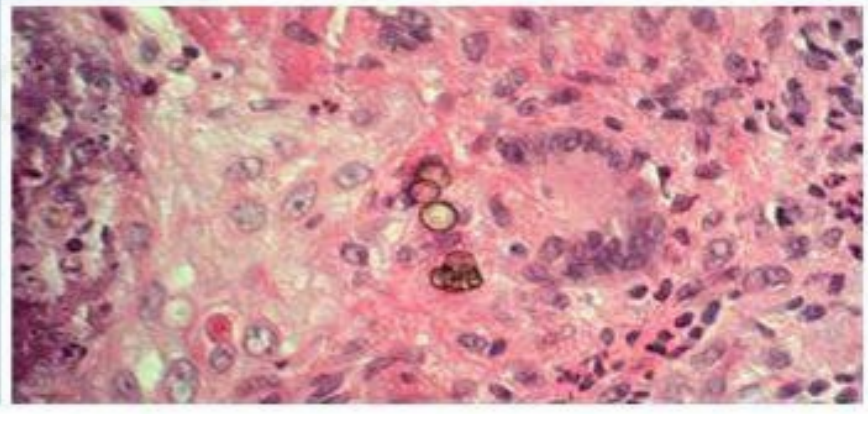
CHROMOBLASTOMYCOSIS

→ Phialophora verrucosa

→ GF :- vegetative / Cauliflower like growth.

→ HPE :- Copper penny bodies
or
Medlar bodies
or
sclerotic bodies.





SPOROTRICHOSIS

→ Sporothrix schienkie

→ GF : lymphatic Spread

linear nodules/ulcers

along lymphatics

SPOROTRICHOID SPREAD

↓

Seen in :- ① M. Marinum

② Nocardia infection

→ HPE : Star shaped bodies

↳ Asteroid bodies.