

# Dermatophytosis

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# Dermatophytosis

\*It is type of cutaneous fungal infection which infects the keratinized tissue( living tissue ) of the body ex: skin, hair and nail

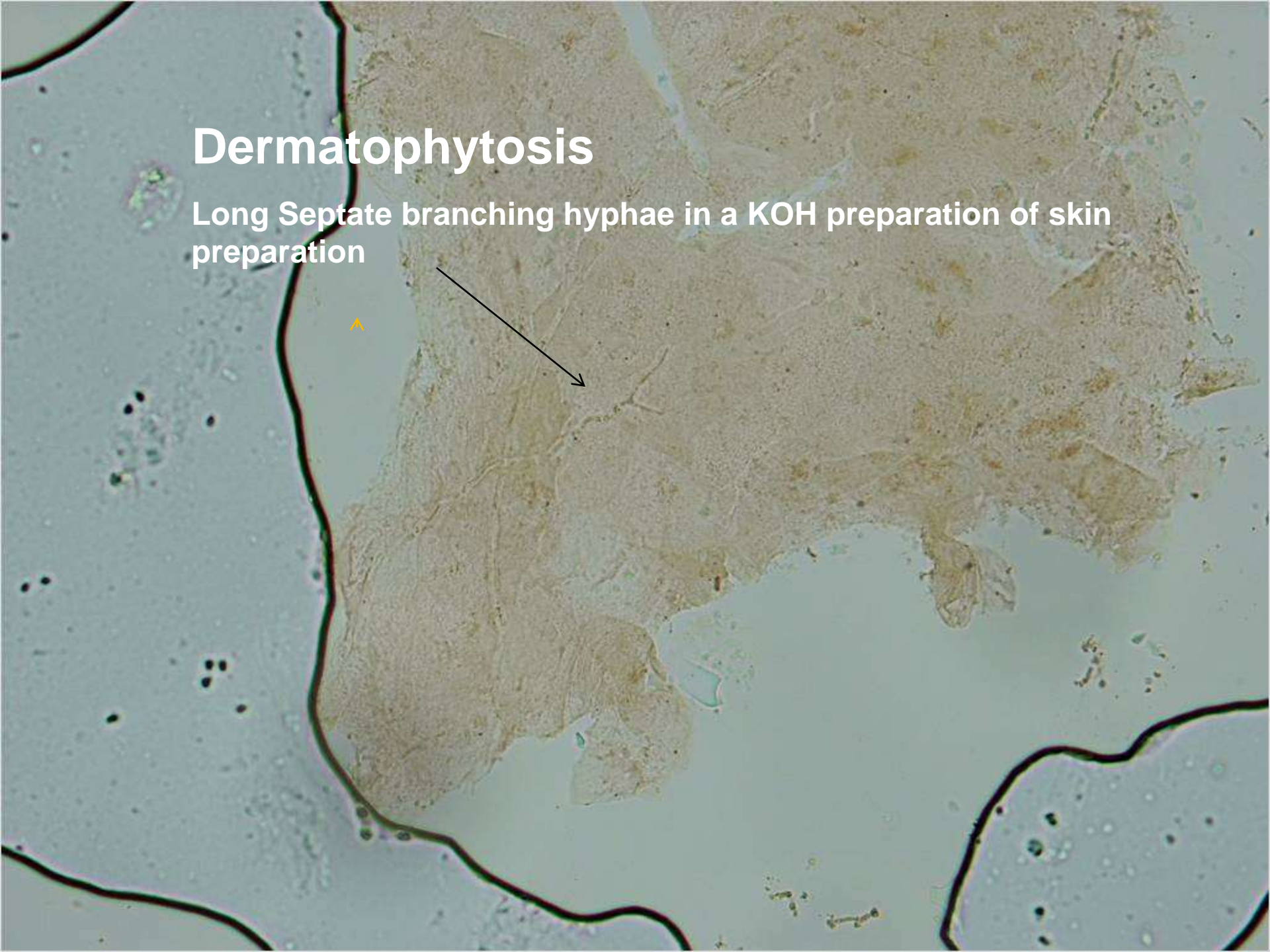
- \*DM examination for skin scraping with Dermatophytosis we will see :

long branch Septate hyphae and it s also hyaline



# Dermatophytosis

Long Septate branching hyphae in a KOH preparation of skin preparation



# Dermatophytes

**\*Dermatophytes are classified in to 3 genera:**

- 1) Trichophyton sp
- 2) Microsporum sp
- 3) Epidermophyton flucosum

# Microsporum sp

- ◆ *microsporum* species form both macro and microconidia on short conidiophores.
- ◆ **infect** : skin and hair

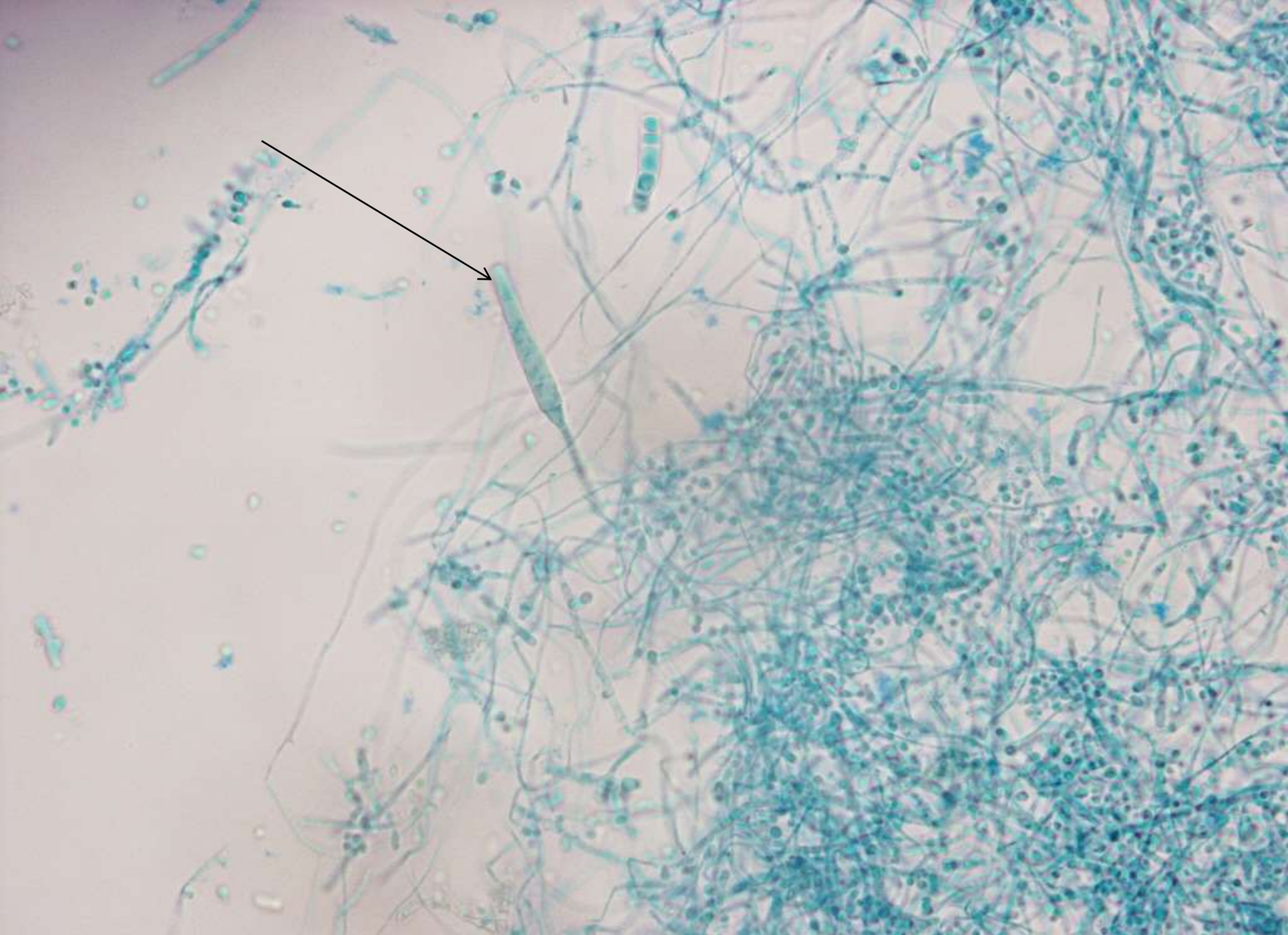




# Trichophyton sp.

- The genus *Trichophyton* is characterised by the development of both smooth-walled macro- and microconidia
- **infect** : skin , hair and nail







# Epidermophyton floccosum

◆ Anthrophilic

◆ **Infect** : skin and nail but never infect hair



# DTM(Dermatophytes Test Medium )







An uninoculated  
flask of DTM  
with its acidic  
pH (yellow)



A dermatophyte  
growing on DTM.  
Note alkaline end  
products.

# Trichophyton Series Agar (TSA))Media

