

# “A SURPRISE TENANT IN A HANSEN”

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## INTRODUCTION

Phaeohyphomycosis, a rare uncommon subcutaneous fungal infection is caused by variety of dematiaceous fungi like

1. Exophiala jeanselmi,
2. Wangiella dermatitidis,
3. Phialophora verrucosa
4. Bipolaris species.

Clinically, the lesion begin as a small papules and evolve into larger asymptomatic cyst.

Here we present a case of a Phaeohyphomycotic cyst caused by Aureobasidium pullulans, a rarely reported species, which coexisted with Sytadilium

## CASE REPORT :

✓ A 35 year old male , a **Diabetic** and a known case of treated **Hansens disease** with chronic Erythema Nodosum Leprosum & on intermittent steroids presented with one such episode of ENL.

✓ Apart from reactional nodules there was an **asymptomatic** skin coloured , **nodulocystic plaque**, over the dorsum of right foot.



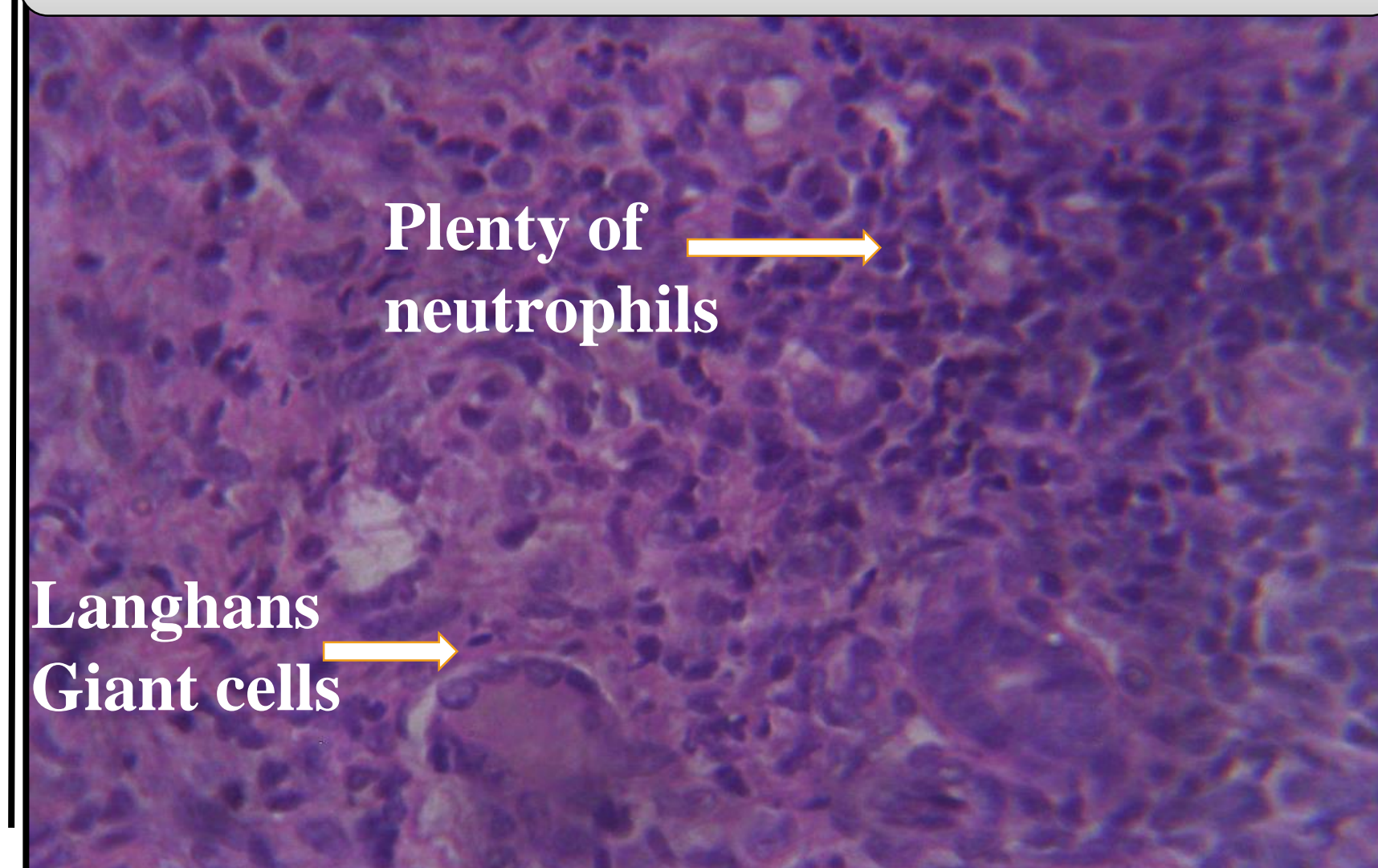
**Erythema Nodosum Leprosum nodules**



**Asymptomatic nodule in right leg**

**EXCISION DONE**

**HISTOPATHOLOGY – SUPPURATIVE GRANULOMA**



Plenty of neutrophils

Langhans Giant cells



**Dermatological Examination**

✓ **Single well to ill defined multilobulated swelling of size 4\*5 cm in dorsum of right foot**



LINEAR MONILIFORM PSEUDOHYPHAE

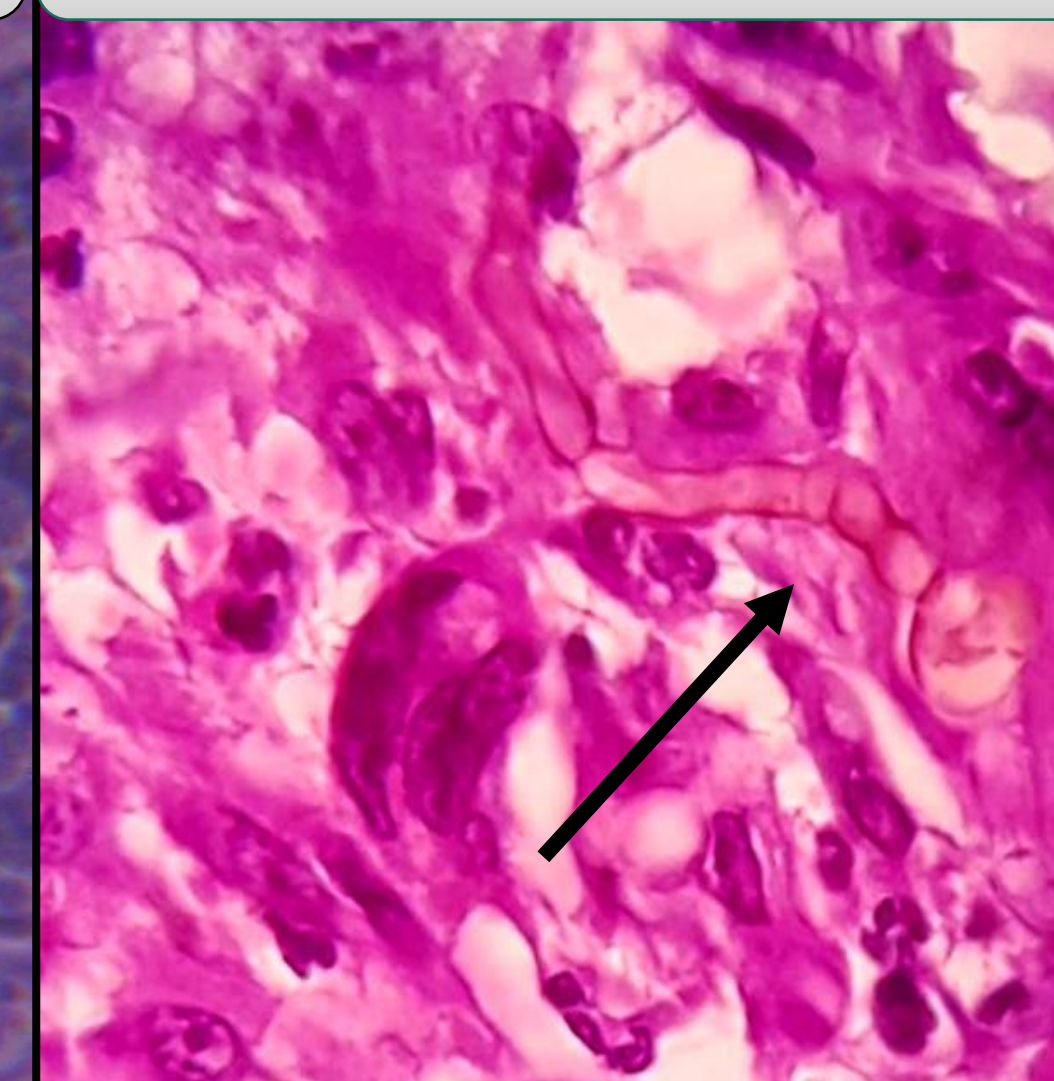
**10 % KOH MOUNT**



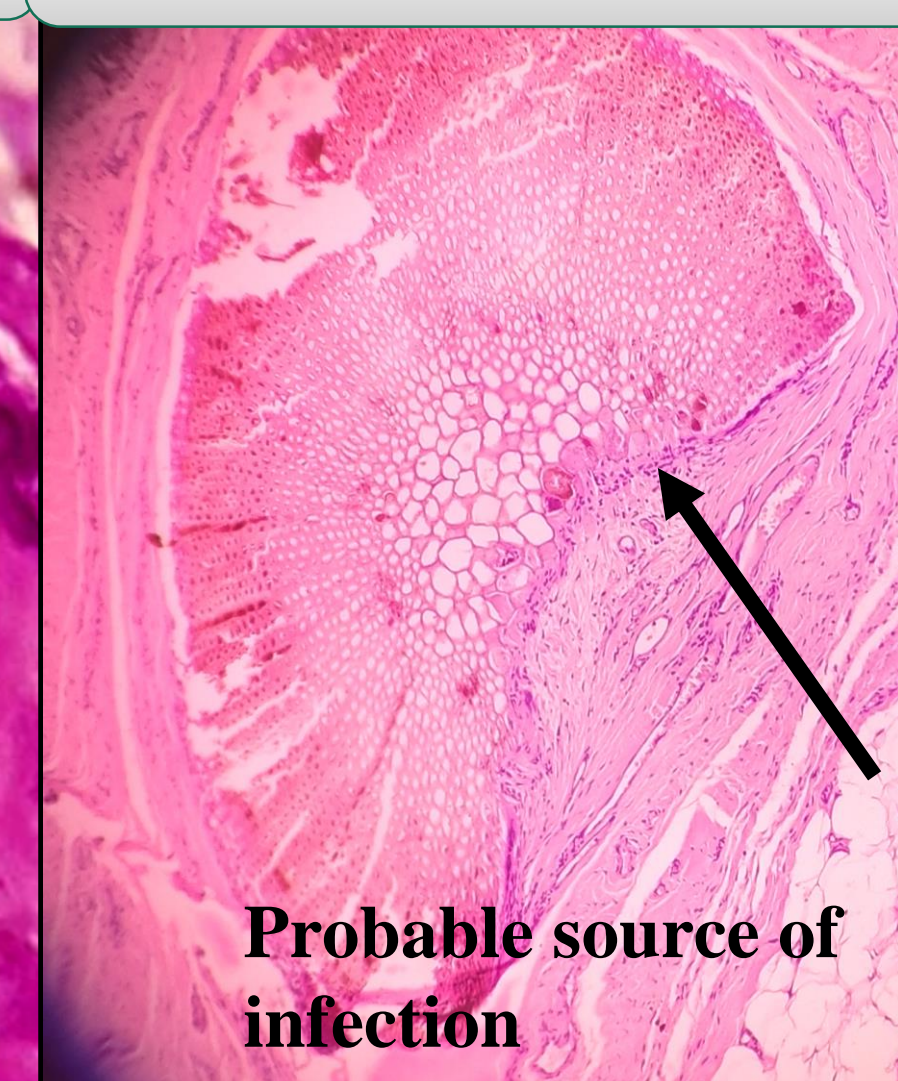
THICK, PIGMENTED & BRANCHING HYPHAE

**GRAMS STAINING**

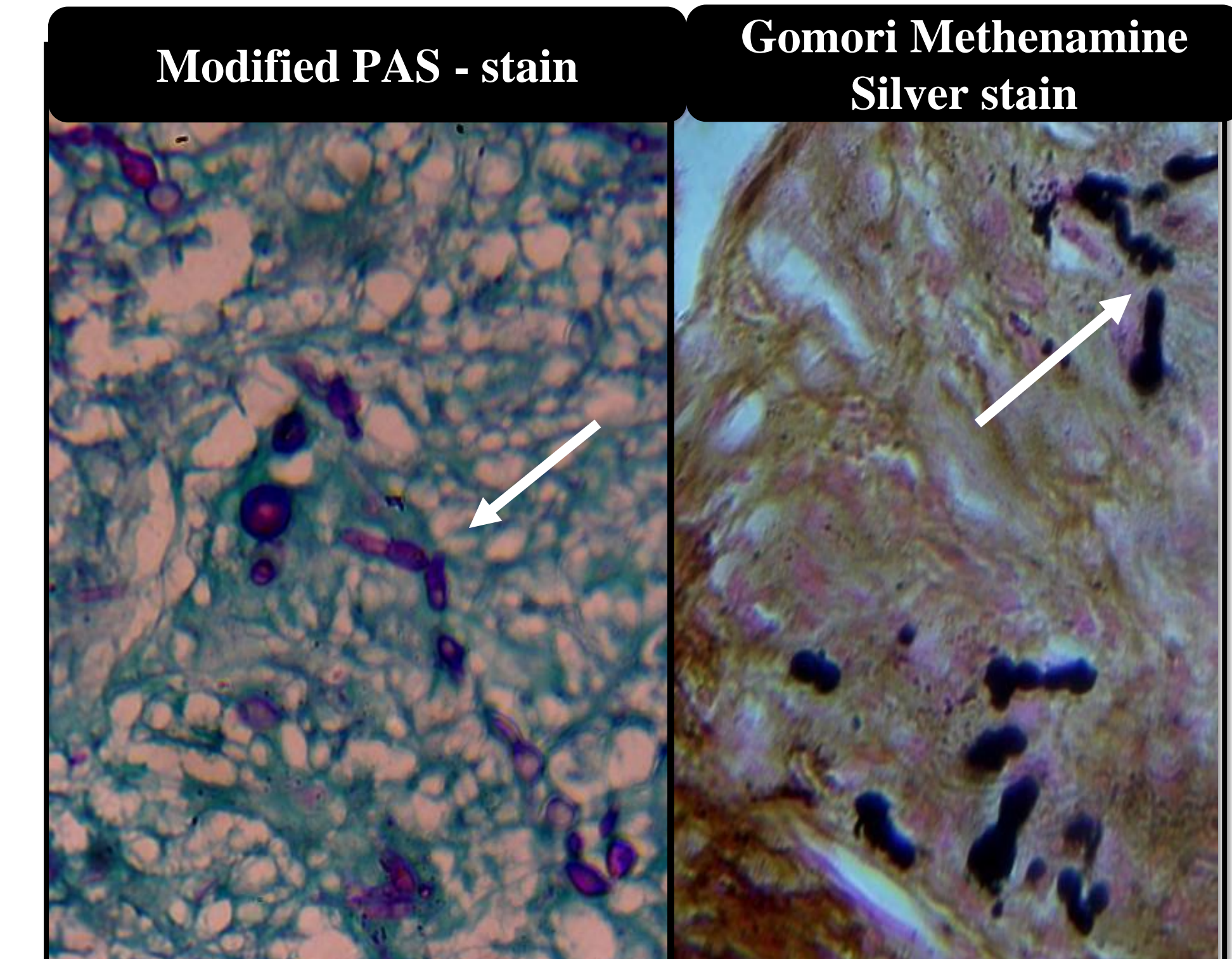
**PIGMENTED HYPHAE IN H&E**



**VEGETABLE MATTER IN H&E**



**Blood tinged pus is aspirated**



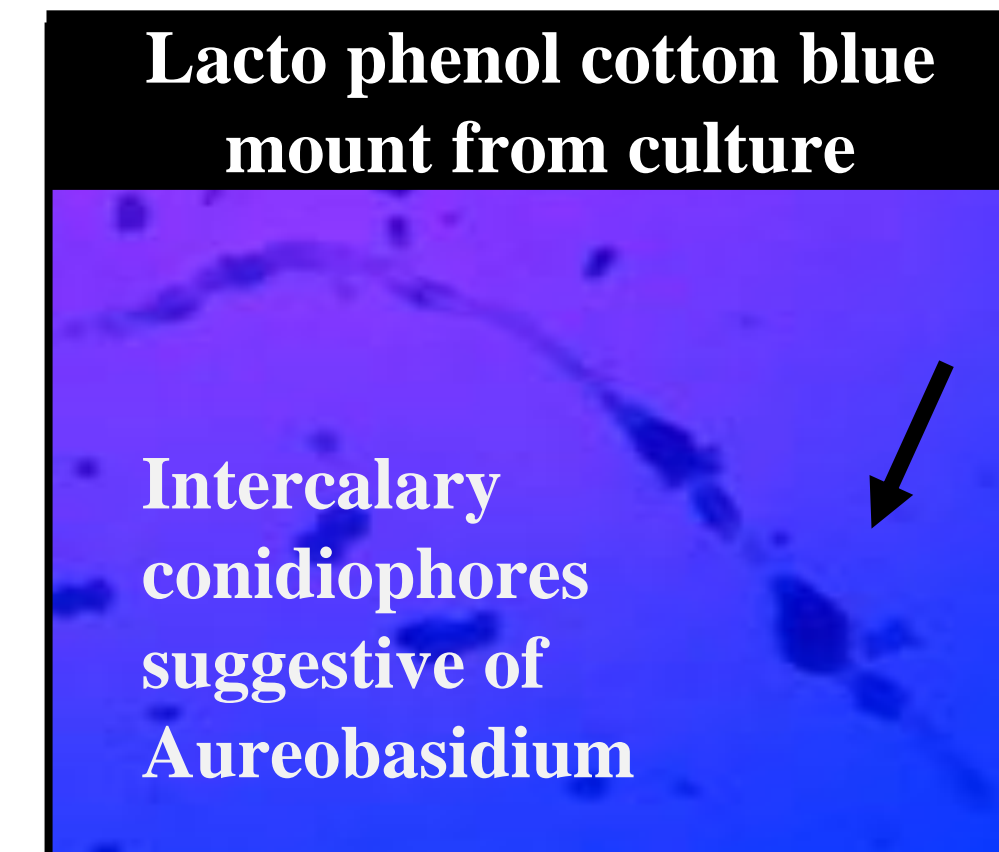
**Modified PAS - stain**

**Gomori Methenamine Silver stain**

✓ In regular PAS, both the fungal element and background will be pink.

Black coloured fungal elements

✓ **But staining with PAS with light green, a newly tried technique, highlight the fungal elements as pink in a green background.**



**Lacto phenol cotton blue mount from culture**

Intercalary conidiophores suggestive of Aureobasidium

## CONCLUSION

This case is presented to highlight unusual emerging species , **Aureobasidium pullulans** as a cause for phaeomycotic cyst which is very uncommon

To highlight the visualization of fungal elements in various mounts & stains and a new technique for PAS staining with **Light green stain**.

**Occurrence of PHAEOHYPHOMYCOSIS is on the rise !!!!!**