



**DEPARTMENT OF MICROBIOLOGY**  
**GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG**



## **Social Health Awareness Program**

### **“Understanding Fungal Infections”**

**(22.05.2021)**

As everybody is experiencing the wrath of COVID-19 pandemic, A new, unfamiliar disease just propped up with terrifying indications namely the “Black Fungus”. Though the cases are sporadic, but the severity of the infection and its effects on human body is alarming.

Fungi are found everywhere. They often grow in soil and decaying plant material and reproduce by spreading microscopic spores. As small propagules, which are often present in the air and soil, can be inhaled or come into contact with the surfaces of the body, and consequently, begin the infections.

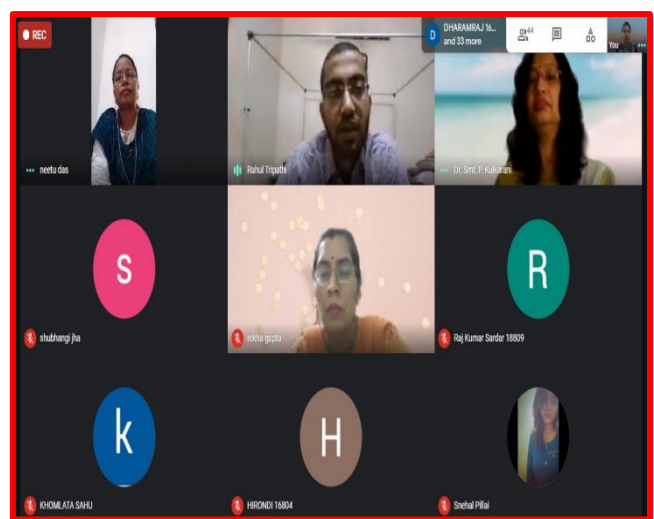
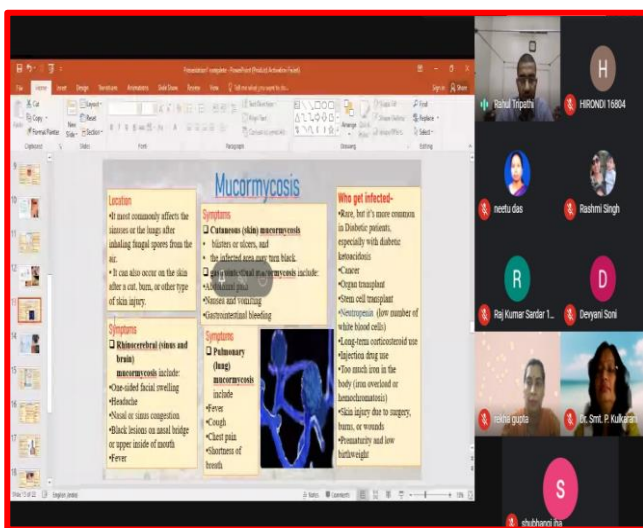
In fact, most them are harmless, but some can be harmful to humans, and people with deficient immune systems are more vulnerable to infection.

Broadly speaking, we will study the fungal pathogens under the headings:

1. To understand the enemy...
2. To improve diagnosis. ...
3. To fight a 'hidden killer'
4. To treat the infection. ... and
5. To prevent fungal disease. ...

Name of faculty involved	Dr. Pragya Kulkarni, Mrs. Rekha Gupta, Mrs. Neetu Das, Ms. Anamika Sharma
Students' participation	M.Sc. Microbiology Sem. I, Sem. III, B.Sc. Part I, II, III and their Parents
Brief report	An academic and social awareness program was organized in the department on 22.05.2021 on ‘Understanding the fungal infections’ by <b>Dr. Rahul Tripathi</b> (Incharge, Somani Covid19 care center, Rajnandgaon. A thematic key note was delivered by Dr. Pragya Kulkarni explaining the importance of awareness of fungal diseases in the present context of rapid

	<p>spread of Mucormycosis in the society, followed by brief introduction of the guest speaker by Mrs. Rekha Gupta.</p> <p>The lecture was started with general introduction, characters and classification of fungi causing human diseases. A detailed explanation on important fungal infections like Dermatophytosis, Onychomycosis, Ringworm, Candidiasis, Blastomycosis, Aspergillosis, Mucormycosis and eye infections, their symptoms, habitat, prevention and treatment were given through pictorial presentation. The program was conducted by Ms Anamika Sharma and Vote of thanks was delivered by Mrs. Neetu Das.</p>
<p>Out come</p>	<p>The students get aware of the general fungal diseases of human. They recognize the symptoms, causal organism, mode of dissemination, prevention and treatment of fungal infections. They also understand the current issue of Mucormycosis emerging during Covid19 phase. The pictorial presentation help all the participants to understand the seriousness of fungal diseases in human life and avoid the threat particularly for immune compromised peoples</p>



Rahul Tripathi is presenting

MAHITA SAHU and 33 more

12:09 PM

## Awareness Lecture On 'Understanding Of Fungal Infections'

Speaker  
**Dr Rahul Tripathi**  
(M.B.B.S)  
DESIGNATION: Medical Officer (PHC, Mangam, C.G.)  
Currently Posted in Covid Treatment Centre, Sonm, Raigarh, C.G.

Participants: neetu das, BALJEET KAUR, Snehal Pillai, Devshree Bhavsara, Ashwini rangi 1, shubhangi Jia

Presenting content: Fungal Nail Infections

## Fungal Nail Infections

**Oonychomycosis** caused by:

**Dermatophytes:**

- Trichophyton rubrum* - 50%
- Trichophyton mentagrophytes* - 30%
- Trichophyton tonsurans* - 10%
- Trichophyton violaceum* - 5%
- Trichophyton interdigitale* - 2%
- Trichophyton asteroides* - 1%
- Trichophyton schoenleinii* - 1%

**Non-Dermatophytic Yeast Molds:**

- Sporothrix* - 10%
- Exophiala* - 5%
- Aspergillus* - 5%
- Candida* - 5%
- Alternaria* - 5%
- Sporobolus* - 5%
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- Sporobolus* - 5%

**Tinea Unguium (nail)**

1. Distal-lateral subungual onychomycosis
2. Superficial white onychomycosis
3. Total dystrophic onychomycosis

Participants: Merika Sahu, HIRONDI 16804, S, Sameeksha Meotra, Rashmi Singh, R, D, Raj Kumar Sardar 1., Devyani Soni, K, Kaji Aora

Presenting content: Epitheliology

## Epitheliology

Epitheliology diagram showing the relationship between the skin, hair, and nails, and the role of fungi in causing infections.

Participants: Rahul Tripathi, HIRONDI 16804, neetu das, Rashmi Singh, R, D, Raj Kumar Sardar 1., Devyani Soni, r, rekhia gupta, D, Dr. Smt. P. Kulkarni, S