

# **CANDIDIASIS**

**BY YOGESHWARI TIWARI**

**DEPARTMENT OF BIOTECHNOLOGY**

**GOVT. DIGVIJAY AUTO. P.G. COLLEGE RAJNANDGAON**

- **Synopsis**

- ° ***introduction of candidiasis***

- ° ***types of candidiasis***

- ° ***causes and Risk factors***

- ° ***symptoms of candidiasis***

- ° ***Diagnosis of candidiasis***

- ° ***Treatment of candidiasis***

- ° ***prevention strategies***

- ° ***current Research and future direction***

- ° ***Conclusion***

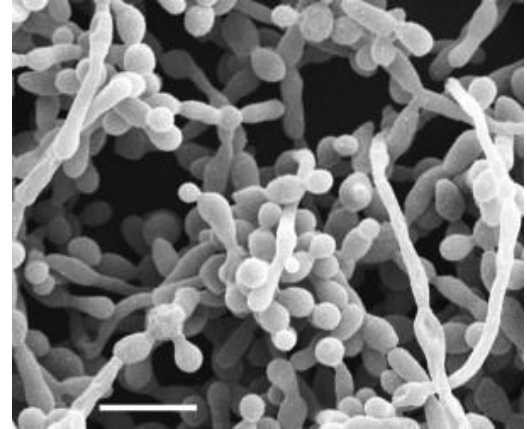
- ° ***Reference***

# Introduction to Candidiasis

Candidiasis is an infection caused by the *Candida* species of fungi, most commonly *Candida albicans*.

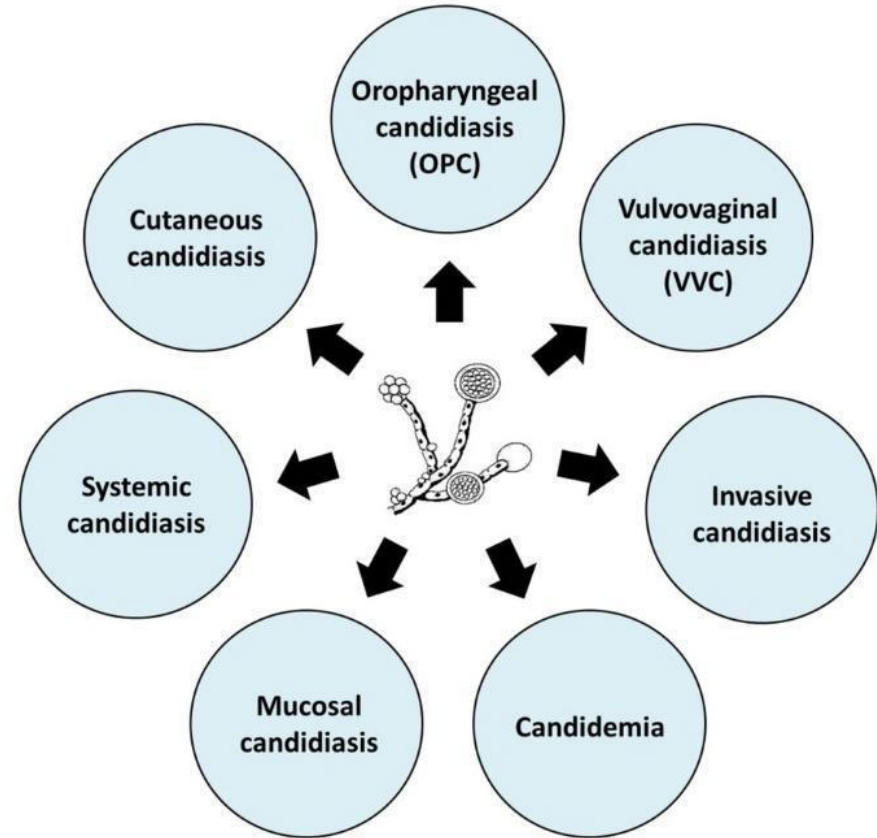
It can affect various parts of the body, including the mouth, throat, esophagus, and skin.

Understanding its causes, symptoms, and treatment options is crucial for effective management.



# TYPES OF CANDIDIASIS

There are several types of candidiasis, including oral thrush, vaginal yeast infections, infections, and invasive candidiasis. Oral thrush usually presents as white patches in the mouth and can cause discomfort. Invasive candidiasis occurs when Candida enters the bloodstream, potentially leading to severe health complications.

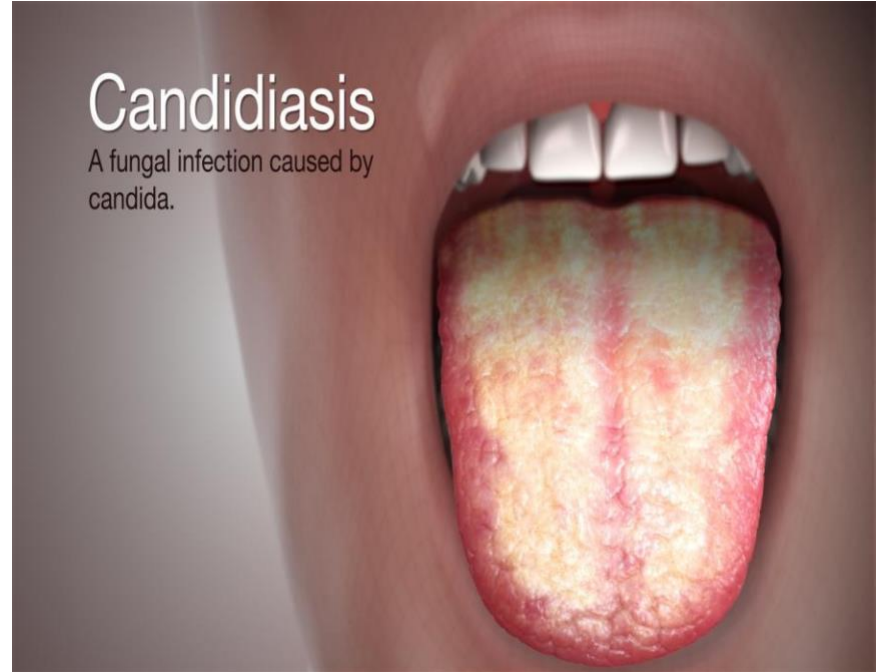


# Causes and Risk Factors

Candidiasis is caused by an overgrowth of Candida, which normally resides in small amounts in the body.

Risk factors include a weakened immune system, antibiotic use, and hormonal changes.

People with diabetes or those who are pregnant are also at a higher risk for developing candidiasis.



# Symptoms of Candidiasis

Symptoms vary depending on the type of candidiasis but often include itching, irritation, and discomfort.

Oral thrush may cause difficulty swallowing and a cottony feeling in the mouth.

Invasive candidiasis can lead to fever and chills, particularly in immunocompromised individuals.



Thrush  
(white patches inside the mouth or around lips)



Frequent vaginal yeast infections



Digestive issues  
(bloating, constipation or diarrhea)



Skin issues  
(eczema, psoriasis, hives, and rashes)



Nails and skin fungal infections



Irritability, mood swings, anxiety or depression



Chronic fatigue and exhaustion



Excessive sugar and refined carbohydrate cravings



Severe seasonal allergies

# Diagnosis of Candidiasis

Diagnosis is typically made through clinical examination and patient history.

Laboratory tests, including cultures and swabs, may be conducted to identify the *Candida* species.

In cases of invasive candidiasis, blood tests may be necessary to confirm the diagnosis.

# Treatment Options

Treatment depends on the type and severity of severity of the infection, often involving antifungal medications.

Common antifungal treatments include fluconazole and topical agents for localized infections.

In severe cases, intravenous antifungals may be required to manage systemic infections.



# Prevention Strategies

Preventive measures include maintaining good hygiene and keeping skin dry and clean.

Limiting the use of antibiotics can help maintain the balance of normal flora in the body.

Individuals at higher risk should monitor for symptoms and consult healthcare providers proactively.

## Importance Of Health And Hygiene



Oral Hygiene



Bathing Ritual



Hair Care



Foot Hygiene



Toileting Hygiene



Hand Hygiene



Coughing and Sneezing Hygiene



Home Hygiene

# Current Research and Future Directions

Ongoing research is focused on better understanding Candida's resistance to antifungal treatments.

New treatment modalities and vaccines are being explored to prevent and manage candidiasis effectively.

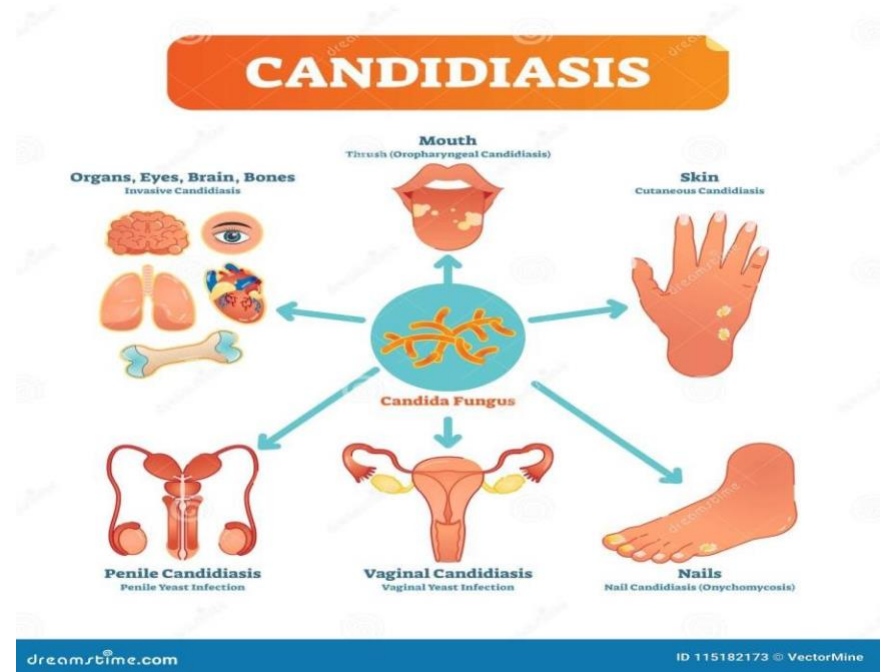
Awareness of the growing threat of Candida auris, an emerging multidrug-resistant strain, is also increasing.

# Conclusion

Candida is a common fungal infection with various types that can affect different body parts.

Understanding the risk factors, symptoms, and treatment options is essential for effective management.

Continued research and awareness can help combat the challenges posed by this infection.



# References

Centers for Disease Control and Prevention. (2023). Candidiasis. Retrieved from [CDC website].

Mayo Clinic. (2023). Candidiasis. Retrieved from [Mayo Clinic website].

World Health Organization. (2023). Fungal infections: A global threat. Retrieved from [WHO website].

**Thank you**