

superficial

other name cutaneous

Affected areas 1. skin

2. mucous membrane

3. hair

4. nails

Diseases

1. Pityriasis versicolor

other name tinea versicolor

fungi Malassezia furfur

effect de pigmentation of the skin

cosmetic importance only

2. Candidiasis of the skin or mucous membrane

other name moniliasis

fungi candida albicans

affected areas 1. warm moist areas of the skin
(Axilla, Groin, diaper rash)

2. mucous membrane
(oral or vaginal thrush)

Drugs Miconazole, clotrimazole

3. Dermatophytosis

other name ringworm infection

fungi 1. Microsporum

2. Trichophyton

3. Epidermophyton

Areas of infection superficial keratinized layers of the skin
hair and nails

Effects tinea

itchy, scaly, red circular or ring like lesions

Drugs miconazole, clotrimazole, terbinafine

subcutaneous

Source of fungi grow in soil and on vegetation

Source of transmission trauma

Affected areas 1. skin

2. muscle

3. connective tissue below the skin

diseases

1. sporotrichosis

other name Rose gardener's disease

fungi Sporothrix schenckii

Source of transmission spores introduced by rose thorn

2. Mycetoma

other name Madura foot

fungi Madurella mycetomatis

common site foot

systemic

1. candidiasis

Source of transmission blood

central venous catheter

IV drug use

major surgery

2. Histoplasmosis

fungi Histoplasma capsulatum

Source of transmission bird excreta

bats

spore inhalation

mechanism of action

pulmonary infection → reticuloendothelial system

3. Cryptococcosis

fungi Cryptococcus neoformans

Source of transmission pigeon faeces

spore inhalation

mechanism of action

pulmonary infection → meningitis

4. coccidioidomycosis

fungi coccidioides immitis

Source of transmission spore inhalation

mechanism of action

pulmonary infection → disseminate to any organ

5. Aspergillosis

a. Aspergillus fumigatus

disease pulmonary Aspergillosis

mechanism of action

lung disease → any organ

b. Aspergillus niger

disease otomycosis

chronic infection of external

auditory meatus

c. Aspergillus flavus

disease neoplasm in liver (cancer)

by producing aflatoxin

Mycoses

Opportunistic

Fungi 1. candida

2. Cryptococcus

3. Aspergillus

4. Mucormycetes (Mucor, Rhizopus)

5. Pneumocystis jiroveci