

Corynebacterium

Corynebacterium

- **Description**

- Gram-positive Bacilli
- Non acid fast
- **Diphtheroids**
- *Corynebacterium diphtheriae*

Corynebacterium diphtheriae

- **Biotypes:**

1. Gravis
2. Intermedius
3. Mitis

Pathogenicity associated with Toxin

Corynebacterium diphtheriae

- Diphtheria
- Pathogenesis

Corynebacterium diphtheriae

• Diphtheria

• URT infection

• Production of exotoxin

• Systemic effects on Heart and Peripheral tissues



Corynebacterium diphtheria

- Types of diphtheria
- Non toxigenic clinical manifestations
- Complications



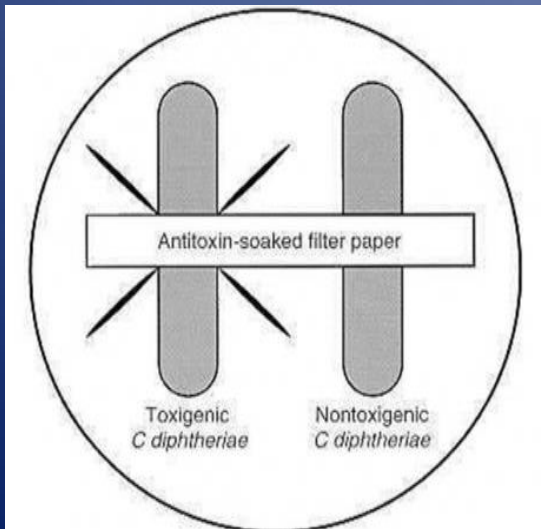
Corynebacterium diphtheria

- Epidemiology

Transmission

Corynebacterium diphtheriae

- **Laboratory diagnosis**
 - Clinical symptoms, presumptive
 - Tinsdale agar
 - Loeffler serum slope
 - Toxigenicity testing (*Elek* test)



Corynebacterium diphtheria

- Treatment
- Vaccination
- Control