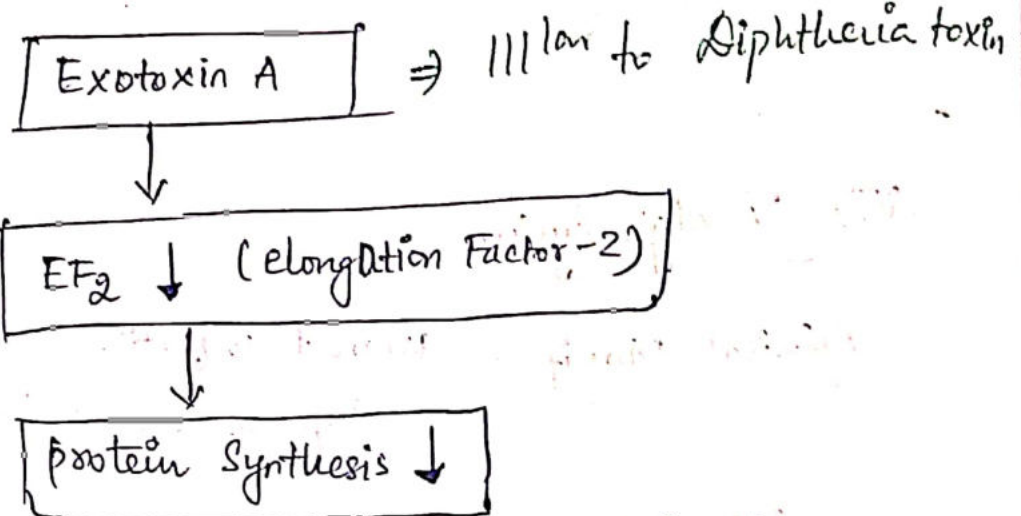


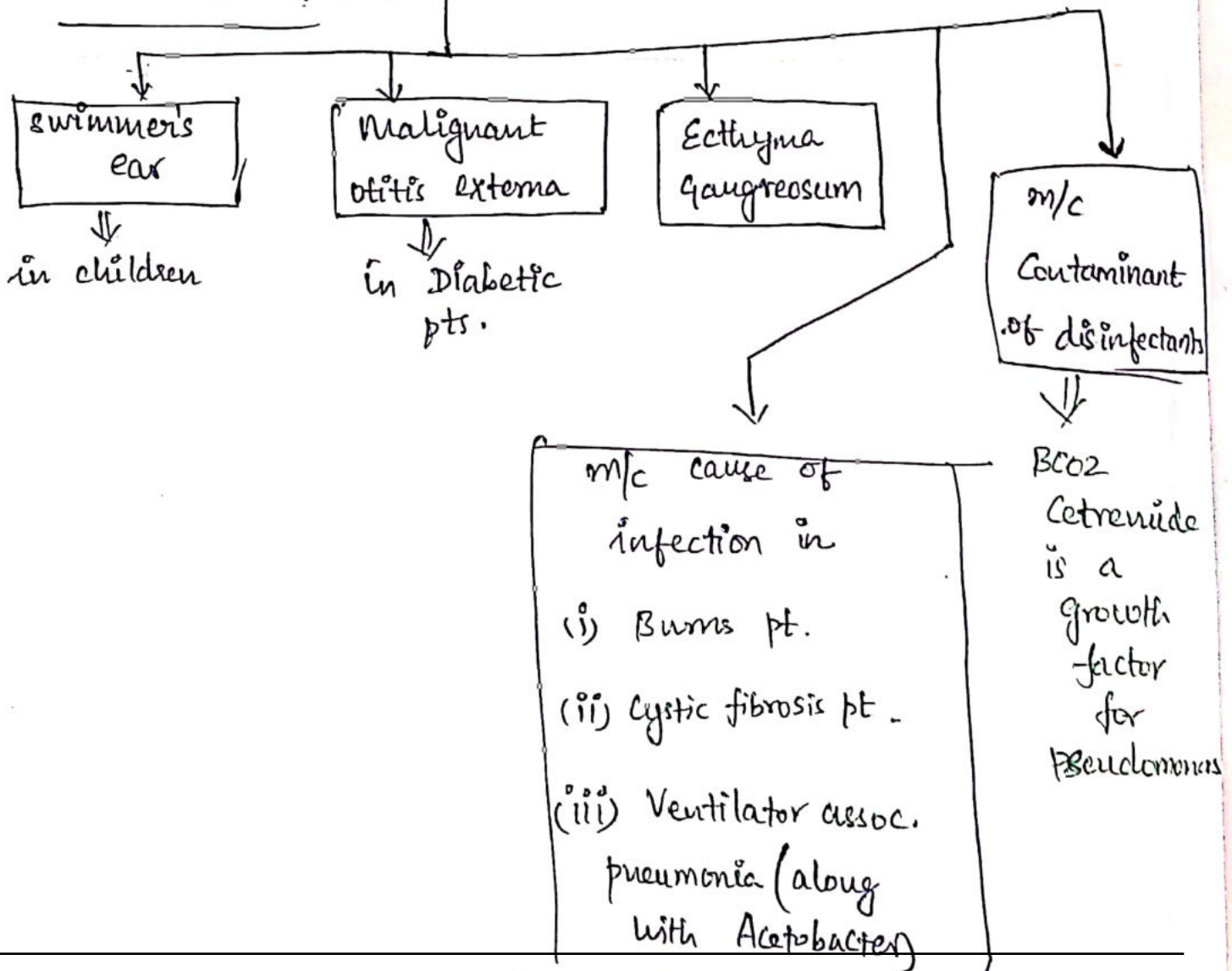
B) Oxid⁺ - Pseudomonas

Pseudomonas aeruginosa : m/c pathogenic sps.

Virulence Factors:



Clinical Manifest:



Δ^{sis}:

(i) Microscopy:

* GNB. - G/s

* Hanging Drop → "Twitching" motility.

(ii) Culture:

Selective media: Cetrimide Agar

~~Burk~~

Burkholderia

i) pseudomallei

ii) mallei

iii) Cepacia

* group of GNB which are previously a subgroup of Pseudomonas.

i) B. pseudomallei → present in soil & H₂O.

* ill to pseudomonas.

Clinical Manif: causes "Malleidosis".

- (i) localised skin infections (Abscess).
- (ii) Lung infection - pneumonia

Malleidosis
B. pseudomallei aka Vietnam Time bomb ds.

↓ why?

Bcoz of its long LATENCY period.

Δ^{sis}

(i) Culture:

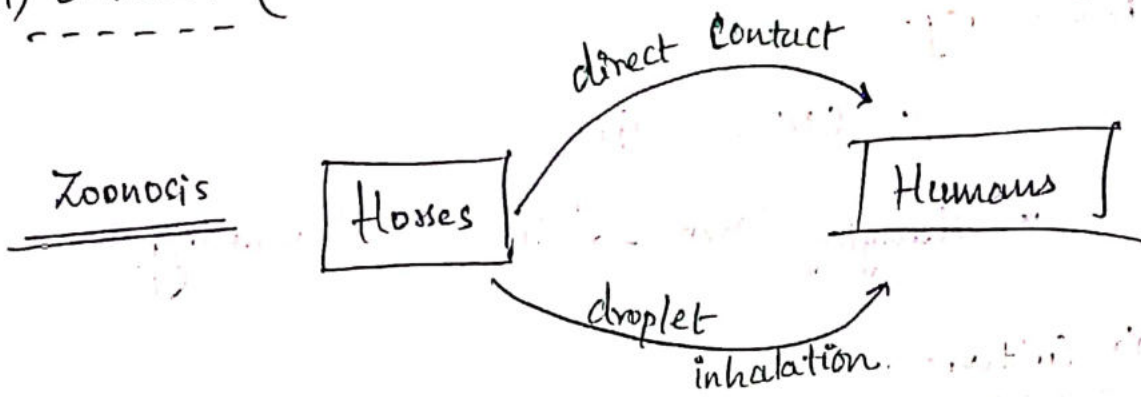
Selective medium → Ashdown's media

⇓
purple wrinkled colonies.

(ii) IP

Oxidase ⊕ve, motile.

(ii) B. mallei (causes zoonotic ds.)



Clinical Manifestation:

Glanders ds.

(similar to Malleidiosis)

Localised infectⁿ

Lung infectⁿ - pneumonia.

Dis:

ID Oxidase +ve & Non motile
diff. b/n pseudomallei & mallei.

(iii) B. cepacia:

usually present in soil & water ⊕ IV fluids.

Clinical Manifestation:

* Lung Infectⁿ → especially in Cystic fibrosis pts.

* Nosocomial infection. → Why? Bcoz its a Contaminant of IV fluids.
(acquired from Hospital).