

CYANOSIS

Blue ↑ sed

Bluish discoloration of the areas of body = superficial vessels

LOCATION

- ① Nose tip
- ② Lips
- ③ Buccal mucosa
- ④ Tongue

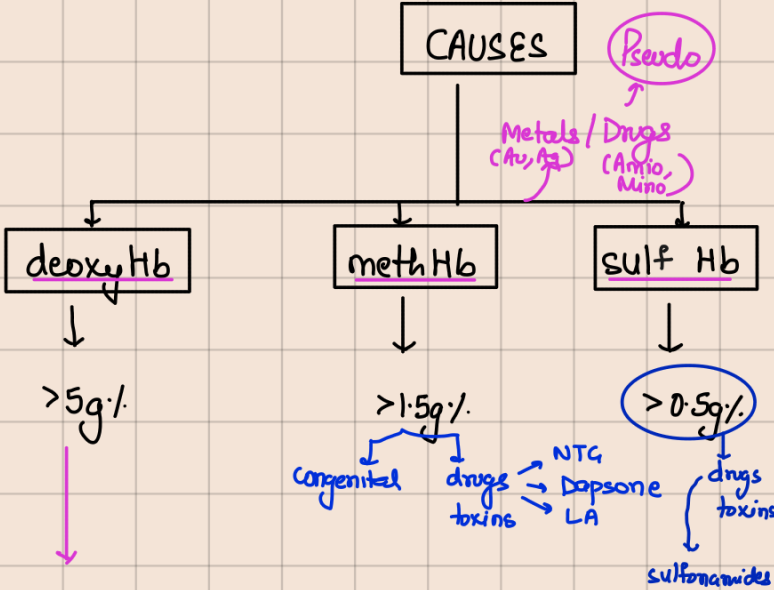
- ① Ear lobes
- ② Finger tips



Central cyanosis

D/O = both central & peripheral
↓
CHF

Peripheral cyanosis



↓ blood flow / abn blood flow b/w heart & pulmonary & aortic vessels → Cyanotic Heart D/os
↓
CHF

Local BVs (of a region) → Obstruction → PAD/Embol/ HUS
↓
Vasospasm → Raynaud's
↓
↓ O₂ to tissues
take out more from the Hb
↑ deoxy Hb
↓
CHF

Pt. comes = bluish discoloration

DDx → ↑ deoxy, ↑ meth, ↑ sulph

DDx

Central

Peripheral

Lips
Buccal mucosa
Nose tip

Location

Ear tip
Finger tip
Circumoral

Warm

Extremities

Cool

No

↓ on warming
of extremities

Yes

Usually associated

Clubbing &
Polycythemia

Not associated

Cyanosis ↓

>5g%

Response to
100% oxygen

Cyanosis persists

(IT IS ABSOLUTE RATHER THAN RELATIVE QUANTITY REQUIRED)

Cyanosis in Severe anemia → less likely as Hb % is low, >5g% is difficult to reach.

Cyanosis in Polycythemia → More chances as ↑ Hb %.

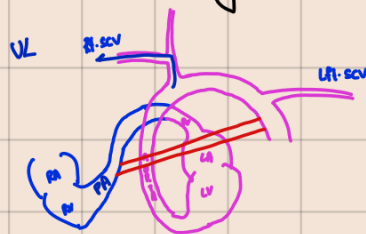
Reddish tongue d/t Polycythemia + Bluish d/t cyanosis

↓
Ruddy cyanosis



Differential cyanosis → Upper limbs (N)
lower extremities cyanosed

→ PDA = Eisenmengerisation



Reverse differential cyanosis → UL cyanosed
LL (N) → PDA = TGA

3/4 cyanosis →



PDA proximal to Left SCA

