

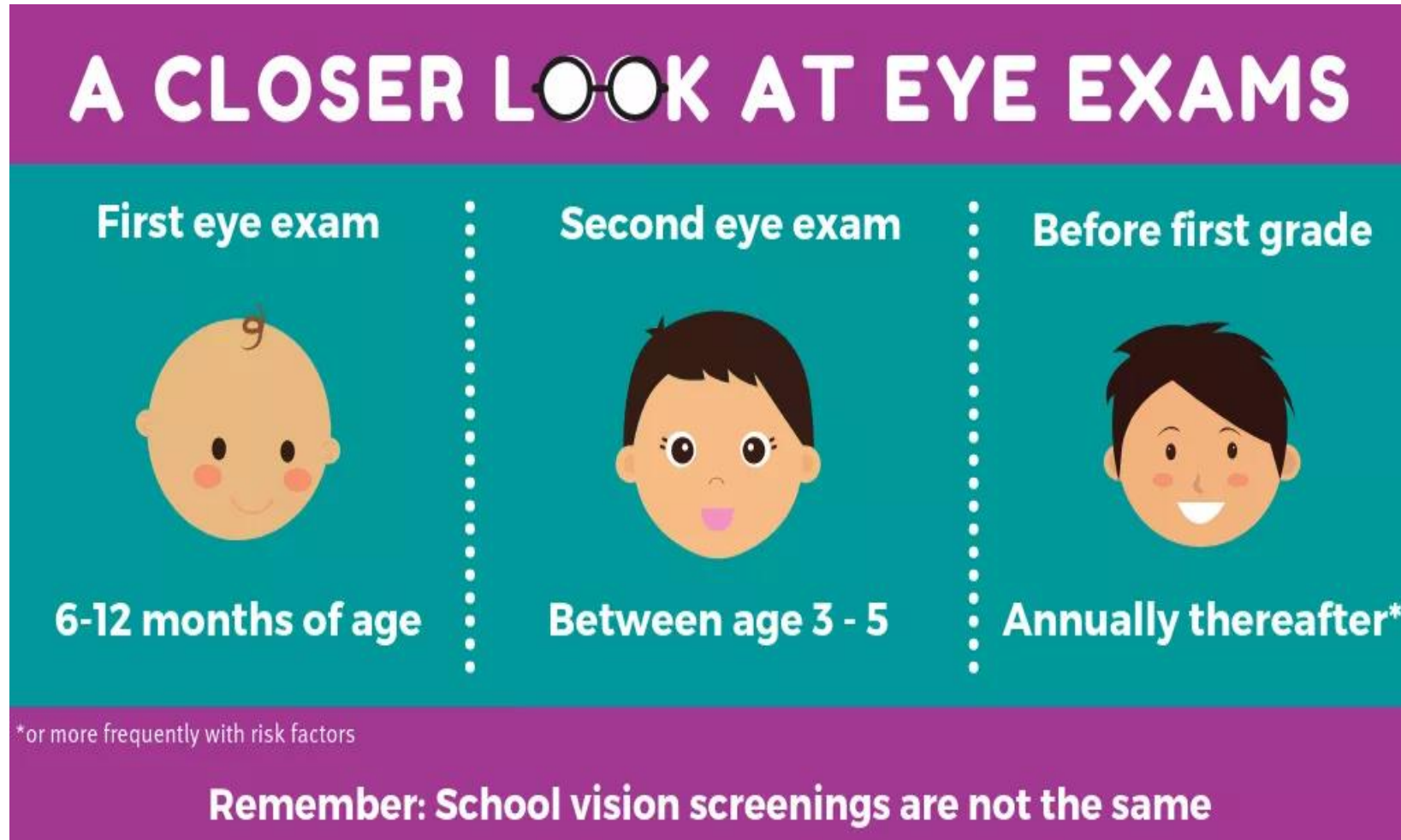
Amblyopia & Strabismus screening

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Amblyopia & Strabismus screening



Purpose

- About **70%** of children's eye disease are preventable
- Ocular diseases affect on children's
growth
study
self confidence
future career

Why children's eye screening is difficult ?

Younger child , lower cooperation ,

Frightening , crying,

Inability to speak (preverbal)

Lack of training

Active accommodation, need cyclo refraction

Eye variability due to growth

likelihood of Amblyopia

Who Should Screen the Children

Hospital Nurse

Family members

Pediatrics

Ophthalmologist

Which Questions Should be Asked

H/O family marriage

H/O family ocular disease

H/O family refractive errors

H/O family eye deviation

H/O family amblyopia

child behavior

Parents screening

Eye size, Lid drop

Child reaction to mother's face, things , light,

Approaching to TV or objects , fissure narrowing , blinking , photophobia ,lacrimation , abnormal head posture , pain , eye redness ,eye rubbing

Eye twitching

Eye deviation

Corneal opacity

White pupil



School screening

- Getting closer to board, notebook ,
- Eye rubbing
- Blinking
- Academic failure
- Visual acuity
- Strabismus



When to Screen ?

At birth:

Fissure size, Form



Red reflex



Ptosis

Corneal opacity



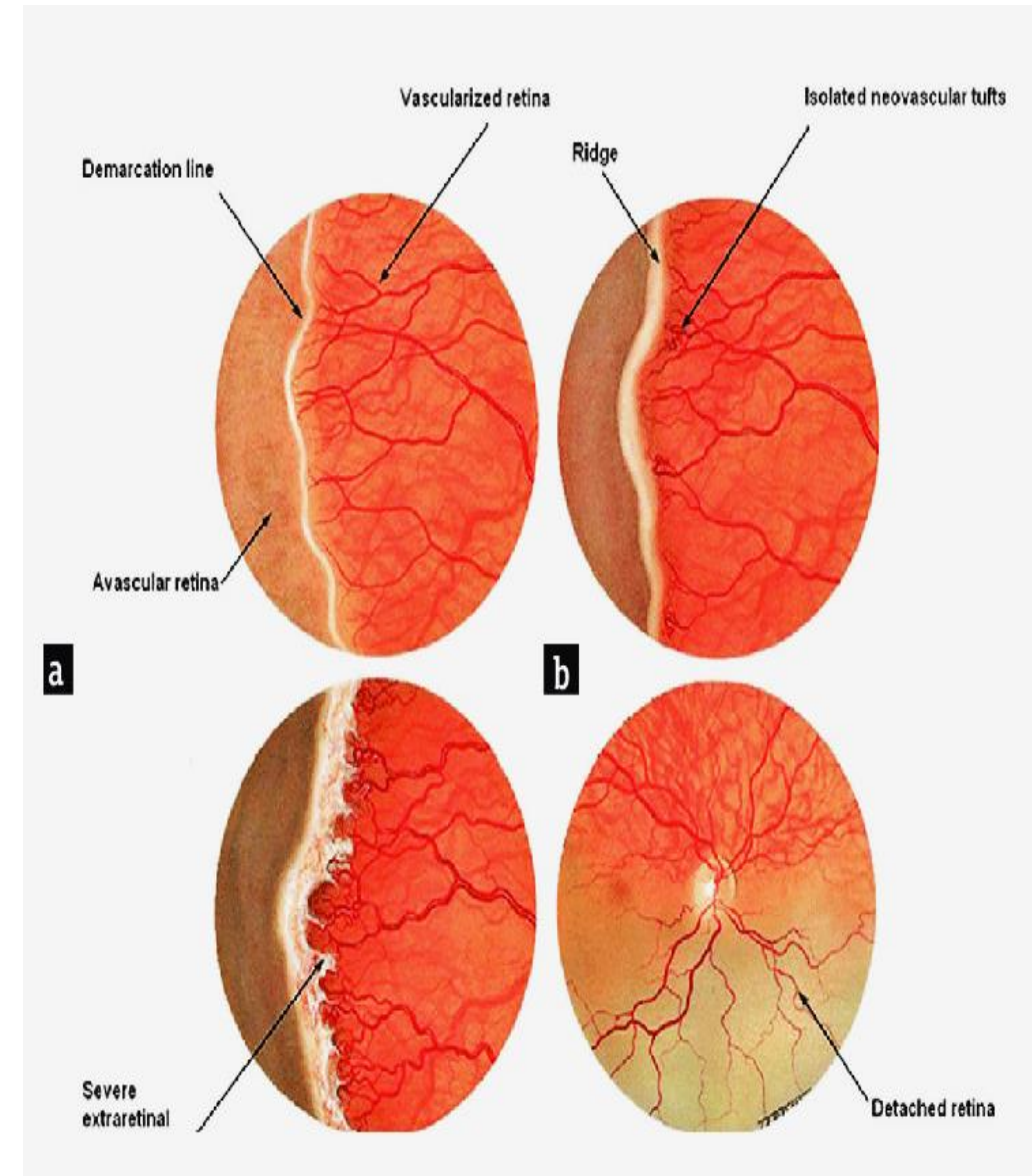
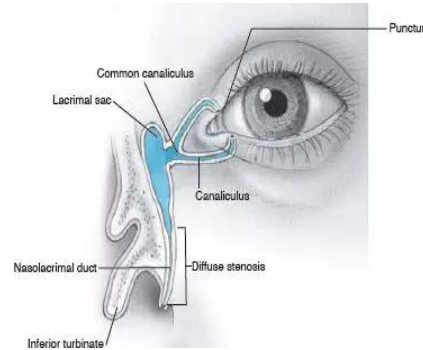
When to Screen ?

- At 2-6 months :

ROP

NLDO (Discharge)

Entropion



When to Screen ?

At 6 -12 months:

Cyclo refraction

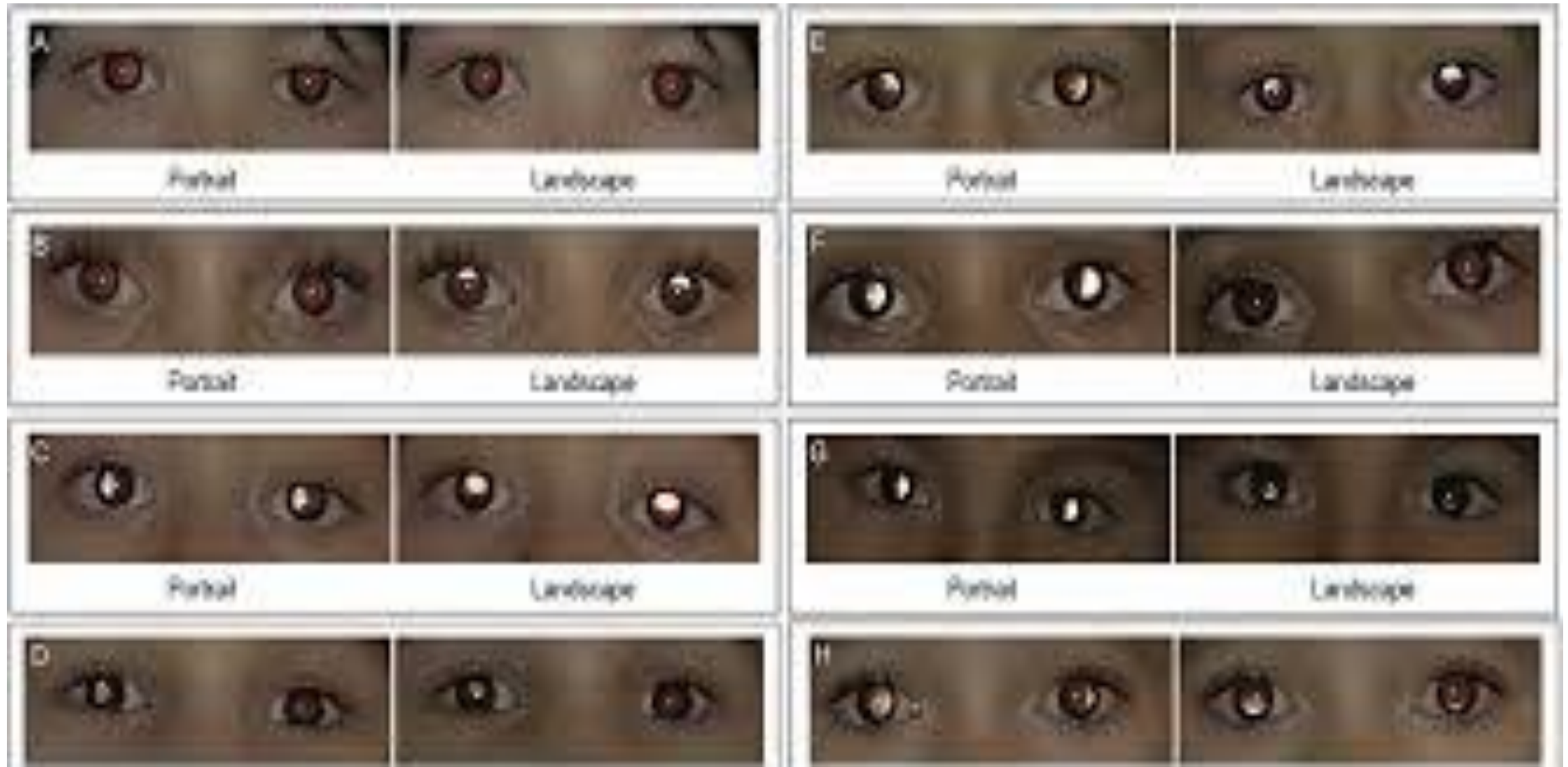
Strabismus

At 1 to 3 yrs:

The same as 6 m , photorefraction



Photorefraction



When to Screen ?

At 5 years: At school age

VA check

Refraction check

ST check

IRAN VA screening project is
from 3 to 6 yrs



Ophthalmologist screening

Red Reflex

Refraction Cyclo Retinoscopy
Photo refractometer
Anisometropia

Alternate cover test (strabismus)
Acc. & Con. evaluation

Visual Acuity (amblyopia)

Slit lamp examination (cataract, glaucoma)

Funduscopy (ON , Macula ,Vessels)



Ophthalmologist screening



When IOP Screening in children

H/o family cataract & glaucoma

Congenital cataract , H/o cataract operation,

Congenital glaucoma

Ocular Melanosis (Nevus of Ota)

Cavernous Hemangioma

