



SNS COLLEGE OF NURSING
Saravanam Patti (po), Coimbatore.



DEPARTMENT OF NURSING

COURSE NAME : B.Sc. (Nursing) III Year.

SUBJECT : MEDICAL SURGICAL NURSING II

UNIT : II- EYE DISORDERS

TOPIC : BLINDNESS



BLINDNESS



BLINDNESS

Blindness is defined as the condition characterized by partial or complete loss of visual perception

- In the absence appropriate vision charts (By non-specialized personnel), the WHO has now added the “Inability to count fingers in daylight at a distance of 3 meters.”



The problem



world

- 180 million people worldwide are visually disabled, of them 45 million are blind
 - 80% of blindness is avoidable.
 - Major cause of blindness and their estimated prevalence are
 - Cataract 19 million
 - Glaucoma 6.4 million
 - Trachoma 5.6 million
 - Childhood blindness > 1.5 million
 - Other 10 million
- 32% of world's blind are aged 45-59 years
58% are >60 years old

Partial blindness

In partial blindness dimness of vision without any apparent lesion in eye. It is characterized by

- squint

Causes:

suppression of the muscle function

Use of macula in case of uncorrected high error
reflexion





complete blindness



It is the complete blindness in children

Causes:

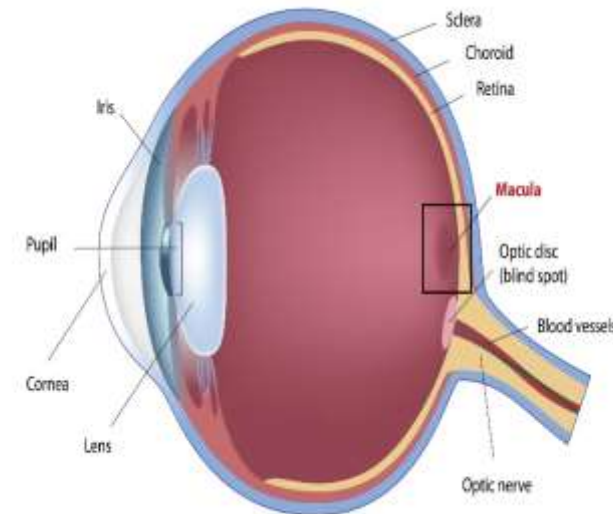
1. Accidental injury by pen, knife
2. Prolonged haematuria
4. Neuromyelitis optica (immune system affect the optic nerve)
5. thrombosis of the central retinal vein (blood clot block the vessel)

DAY BLINDNESS (HAMERALOPIA)

In day blindness vision is poor in bright light

Causes:

1. Pathological changes in the macula
2. central opacity of the lens
3. Congenital conditions





NIGHT BLINDNESS (NYCTALOPIA)



In night blindness vision is poor in night

Causes:

1.congenital

2.hereditiy

3.Retinal detachment

4.systemic disease

vitamin a deficiency

pathological changes in the liver

5.Glaucoma



Colour blindness

It is inability to identify the colour

Types:

Partial blindness (green, red, blue)

Total color blindness (everything grey)



CAUSES

- Tuberculosis of eye
- Venereal disease
- Vitamin a deficiency
- Infections
- Eye injury
- Hereditary diseases



ASSESSMENT

- Explain about the partial blindness
- Explain about the colour blindness



REFERENCES

- 1.Sharma.M.P.(2020),Text book of medical surgical nursing,2nd edition,page no:112
- 2.Lewis,(2015),text book of medical surgical nursing,2nd edition,page no:415



THANK YOU