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DEPARTMENT: PHARMACOLOGY

MATRIC NO: 18/MHS07/003

Assignment Title: Special senses

Course Title: Renal Physiology, Body fluid & Temperature Regulation and Autonomic Nervous System

Course Code: PHS 212

Question

Write short notes on any two eye defects

Answer

1.) **Myopia (nearsightedness):** A condition in which close objects appear clearly, but far ones don't. It is a vision condition in which people can see close objects clearly, but objects farther away appear blurred. As a result, the light entering the eye isn't focused correctly, and distant objects look blurred.

Causes:

- Myopia occurs when the eyeball is too long, relative to the focusing power of the cornea and lens of the eye. This causes light rays to focus at a point in front of the retina, rather than directly on its surface.
- Nearsightedness can also be caused by the cornea and/or lens being too curved for the length of the eyeball. In some cases, myopia occurs due to a combination of these factors.

Signs and Symptoms:

- Squinting
- Eye strain and
- Headaches
- Feeling fatigued when driving or playing sports also can be a symptom of uncorrected nearsightedness.

Treatment:

Nearsightedness can be corrected with;

- eyeglasses,
- contact lenses
- or refractive surgery.

2.) **Hyperopia or hypermetropia (Farsightedness):** A vision condition in which nearby objects are blurry. Hyperopia is a common vision condition in adults. Someone with farsightedness generally can see distant objects clearly, but has difficulty focusing on objects that are up close.

Causes:

- This vision problem occurs when light rays entering the eye focus behind the retina, rather than directly on it. The eyeball of a farsighted person is shorter than normal.

Signs and symptoms:

- Farsighted people sometimes have headaches
- Eye strain
- squint or
- Feel fatigued when performing work at close range.

Treatment:

- Farsightedness can be corrected with glasses,
- Contact lenses to change the way light rays bend into the eyes.

Note: If your glasses or contact lens prescription begins with plus numbers, like +2.50, you are farsighted.

You may need to wear your glasses or contacts all the time or only when reading, working on a computer or doing other close-up work.