

TWOP

World AIDS Day

December 1st



The

#TWOPWAD2020

World of optometry



'ENDING THE HIV/AIDS EPIDEMIC: RESILIENCE AND IMPACT'



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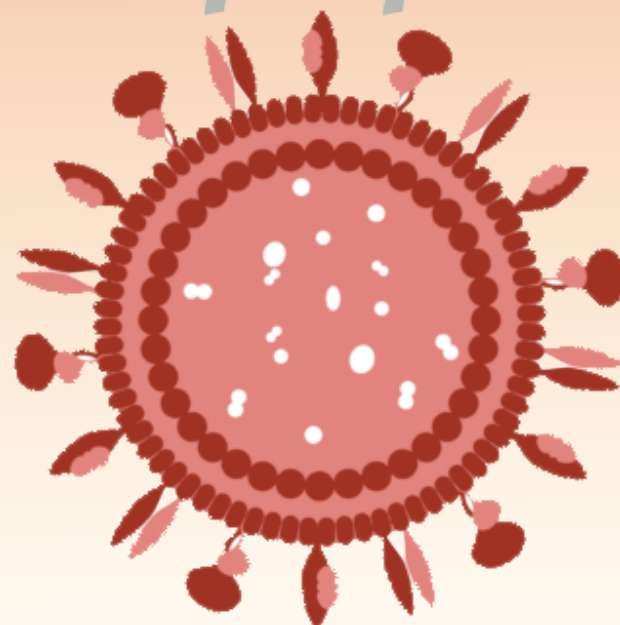


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About HIV/AIDS

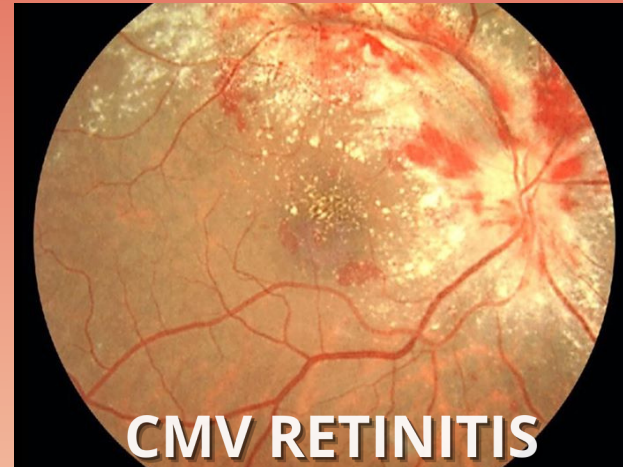


HIV (human immunodeficiency virus) is the virus that can cause AIDS (acquired immunodeficiency syndrome) if it is not treated and attacks the body's immune system.



Ocular Conditions due to HIV / AIDS

- HIV Retinopathy
- Cytomegalovirus (CMV) retinitis
- Kaposi's sarcoma
- Herpes zoster ophthalmicus (HZO)



CMV RETINITIS



KAPOSI'S SARCOMA



HZO



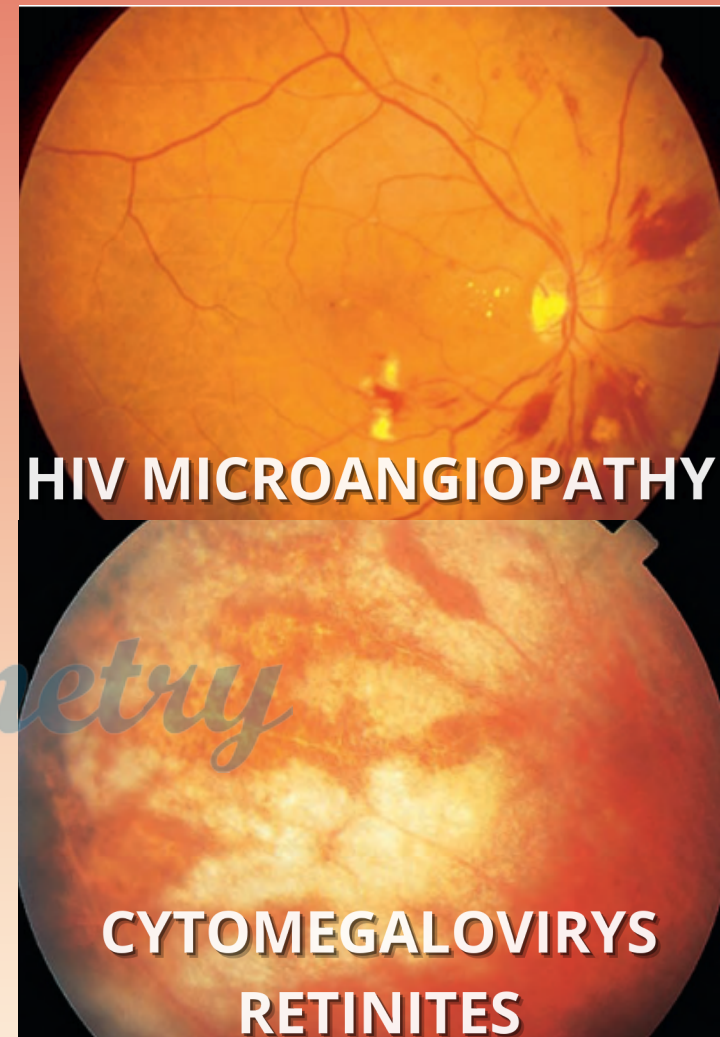
HIV Retinopathy

- HIV retinopathy is the most common eye problem.
- This is a problem with the blood vessels in the retina, the lining at the back of the eye that senses light coming into the eye.
- The retina has tiny blood vessels that can get blocked or bleed and cause damage.
- Small hemorrhages (bleeding) and **Cotton wool spots** (white spots because of blocked blood vessels) are seen in the retina.



Cytomegalovirus (CMV) Retinitis

- CMV retinitis is the most commonly occurring opportunistic infection inside the eye of patients with HIV.
- CMV infects the retina when HIV has weakened the **immune system** of an infected person.
- If not treated, CMV retinitis may cause the retina to pull away from the back of the eye.
- This is called a **Retinal detachment(RD)** which can lead to blindness.



Kaposi's sarcoma

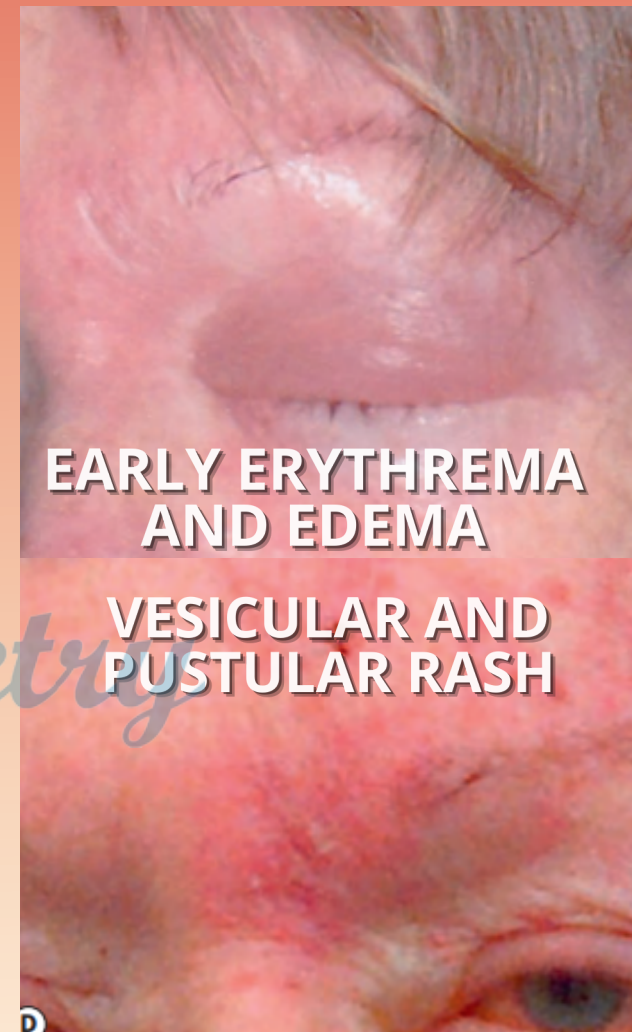


- Kaposi's sarcoma is a rare tumor that occurs in the eyes of patients with HIV.
- It is a red or purple mass that forms on the white part of the **Eye or on the eyelid.**
- Kaposi's sarcoma can also appear in other places of the body, most commonly on the skin or mouth.



Herpes zoster ophthalmicus (HZO)

- Herpes zoster ophthalmicus (HZO): HZO is a common infection caused by reactivation of the chickenpox virus.
- It can occur in older adults (60+) or in younger people who are living with HIV.
- HZO can occur anywhere in the body, most commonly on the face and eyes.
- HZO can damage the eyes, **Causing pain and loss of vision**



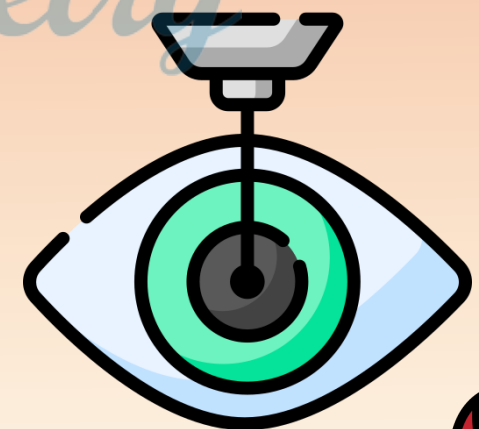
Signs & Symptoms / Diagnosis

- Asymptomatic, until it gets worse.
- It is important to get yearly comprehensive eye exams or more often (every three months) with a weakened immune system with an **eye care professional**.



Treatment

- Medicines can help treat infections
Tumors may be treated with **Radiation or surgery.**
- Retina damaged by bleeding and swelling inside the eye may need surgery or laser treatment.
- A person with HIV who maintains a healthy immune system by taking antiviral drug treatments as recommended are at lower risk of developing HIV-related eye diseases.



"OPEN YOUR EYES BEFORE AIDS CLOSSES THEM"

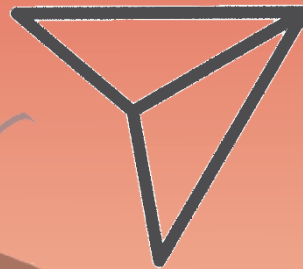




Wow, what a cool content



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