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OCULAR DISEASE

PANOPHTHALMITIS



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- It is an intense purulent inflammation of the whole eyeball including the Tenon's capsule.
- The disease usually begins either as purulent anterior or purulent posterior uveitis; and soon a full-fledged picture of panophthalmitis develops, following through a very short stage of endophthalmitis.



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Etiology

- Panophthalmitis is an acute bacterial infection.
- *Mode of infection and causative organisms are same as described for infective bacterial endophthalmitis*



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Clinical picture

Symptoms. These include:

1. Severe ocular pain and headache,
2. Complete loss of vision,
3. *Conjunctiva shows marked chemosis and ciliary as well as conjunctival congestion.*
4. *Cornea is cloudy and oedematous.*
5. *Anterior chamber is full of pus.*
6. *Vision is completely lost and perception of light is absent.*
7. *Intraocular pressure is markedly raised.*
8. *Globe perforation may occur at limbus, pus comes out and intraocular pressure falls*



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Panophthalmitis





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Complications

- Orbital cellulitis
- Cavernous sinus thrombosis
- Meningitis or encephalitis



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Treatment

1. *Anti-inflammatory and analgesics should be started immediately to relieve pain.*
2. *Broad spectrum antibiotics should be administered to prevent further spread of infection in the surrounding structures.*
- 3. *Evisceration operation should be performed to avoid the risk of intracranial dissemination of infection.*