

# History

A 40-year-old swimming instructor undergoes an enucleation for a blind painful eye. There is a history of soft contact lens wear. She has had a corneal abscess and corneal graft procedures in the past.

# Questions

1. What does this immunohistochemical stain of cornea demonstrate (Figure 1)?
2. What does this field including sclera and choroid show (Figure 2)?
3. What does this field including sclera and choroid show (Figure 3)?
4. What does this higher power field show (Figure 4)?
5. What is the major clinical concern?

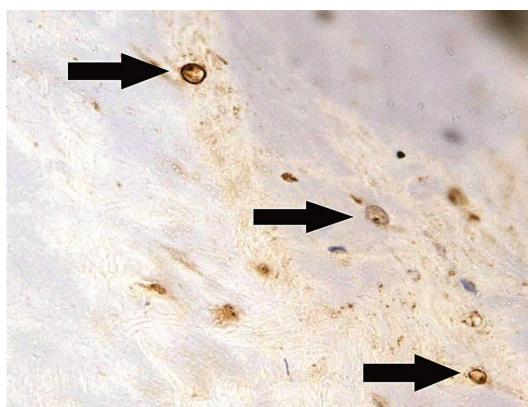
## Discussion

1. Acanthamoeba cysts.
2. Necrosis and inflammation consistent with acute endophthalmitis.
3. Granulomatous inflammation on a background of heavy lymphocytic infiltration.
4. Multinucleate giant cells and pigment phagocytosis.
5. The granulomatous infiltration in the region of Bruch's membrane raises the suspicion that this could be an exciting (infecting) eye in sympathetic ophthalmia.

## Answers

## AUTHOR

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**Figure 1**



Figure 2

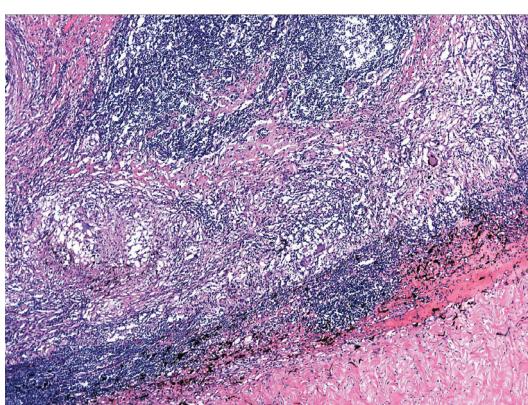


Figure 3

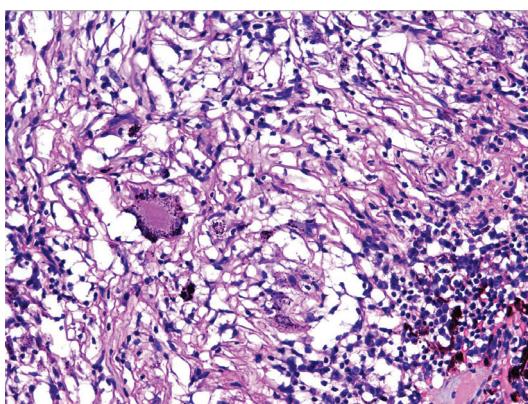


Figure 4