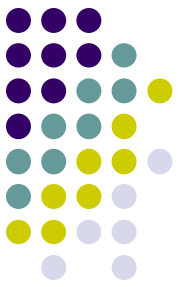


Q

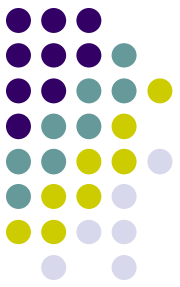
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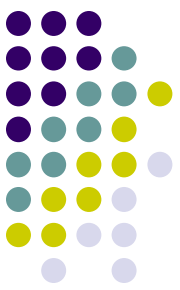
- Can occur length of time (range) after surgery



A

- **Post filtering-surgery infection**
 - Can occur **days to years** after surgery





Q

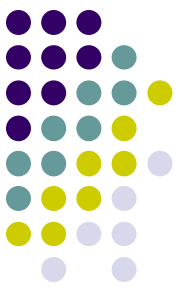
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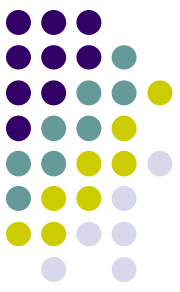
- Can occur **days to years** after surgery
- Bugs: , ,

A

- **Post filtering-surgery infection**

- Can occur **days to years** after surgery
- Bugs: ***Strep sp*, *Haemophilus sp*, Gram (+) bugs**





Q

● Post filtering-surgery infection

- Can occur **days to years** after surgery
- Bugs: ***Strep sp***, ***Haemophilus sp***, **Gram (+) bugs**
- Two clinical entities:
 - **-itis 1**: Infected bleb without AC or vitreous involvement

A



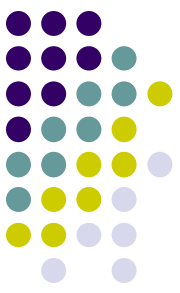
- **Post filtering-surgery infection**

- Can occur **days to years** after surgery
- Bugs: ***Strep sp*, *Haemophilus sp*, Gram (+) bugs**
- Two clinical entities:
 - ***Blebitis***: Infected bleb without AC or vitreous involvement



Blebitis



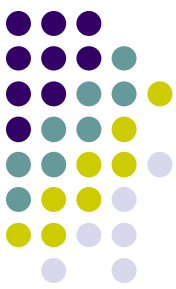


Q

● Post filtering-surgery infection

- Can occur **days to years** after surgery
- Bugs: ***Strep sp*, *Haemophilus sp*, Gram (+) bugs**
- Two clinical entities:
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 - **[-itis 2]**: Acute endophthalmitis
picture + purulent bleb

A

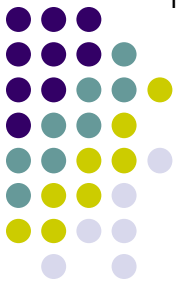


- **Post filtering-surgery infection**

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 - ***Blebitis***: Infected bleb without AC or vitreous involvement
 - ***Bleb-associated endophthalmitis***: Acute endophthalmitis picture + purulent bleb



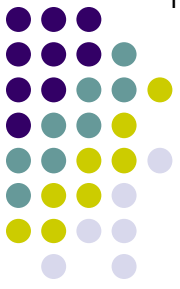
Bleb-associated endophthalmitis



Q

● Post filtering-surgery infection

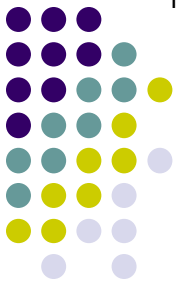
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- Management:
 - Blebitis: and



A

● Post filtering-surgery infection

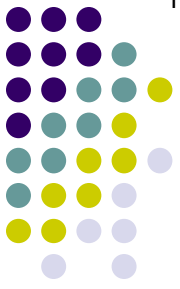
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Q

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- Management:
 - Blebitis: **Topical** and **subconjunctival antibiotics**
 - Bleb-associated endophthalmitis: two words
 +/- abb.

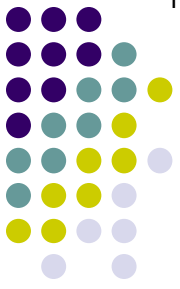


A

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 - Bleb-associated endophthalmitis: **Intravitreal antibiotics**
+/- **PPV**

(PPV = Pars plana vitrectomy)



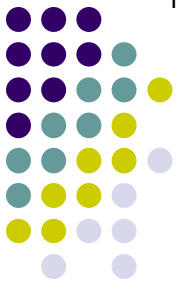
Q

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 - Final VA tends to be

better vs worse

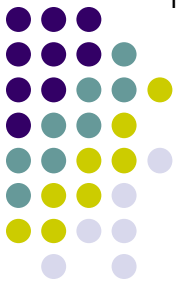
 than after treatment for acute-onset endophthalmitis after cataract surgery



A

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 - Final VA tends to be **worse** than after treatment for acute-onset endophthalmitis after cataract surgery



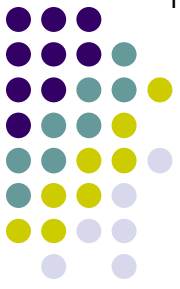
Q

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Why is bleb-associated endophthalmitis tend to have a worse visual outcome than does acute post-CE endophthalmitis?

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A

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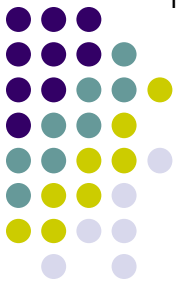
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Q

● Post filtering-surgery infection

- Can occur days to years after surgery

Speaking of acute post-CE endophthalmitis...In that context, what does EVS stand for?

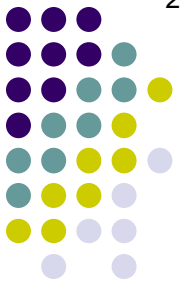
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A

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Endophthalmitis Vitrectomy Study

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Q

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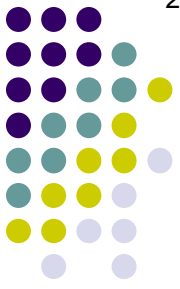
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- 1)
- 2)

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A

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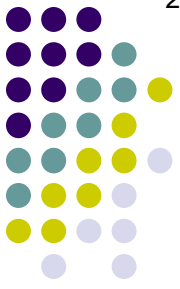
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+/- PPV

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Q

● Post filtering-surgery infection

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What did the study show with respect to PPV efficacy? Did it improve visual outcomes?

almitis.

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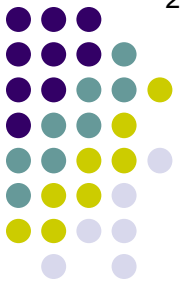
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Q/A



● Post filtering-surgery infection

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Depends—if VA was □ or worse at presentation, visual outcome was better with PPV.

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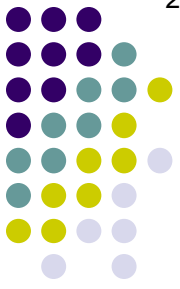
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A

● Post filtering-surgery infection

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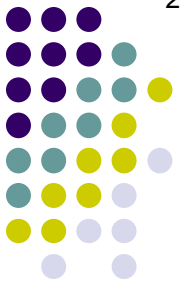
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+/- PPV

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A

● Post filtering-surgery infection

- Can occur days to years after surgery

What did the study show with respect to PPV efficacy? Did it improve visual outcomes?
 Depends—if VA was LP or worse at presentation, visual outcome was better with PPV. However, if VA was better than LP, there was no difference between the PPV and intravitreal-abx-only groups with respect to final visual outcome.

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What were they?

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Q



Post filtering-surgery infection

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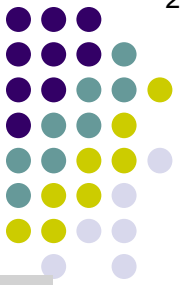
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A



Post filtering-surgery infection

What did the study show with respect to systemic antibiotics and visual outcome?

Intravenous antibiotics did not improve final visual outcome

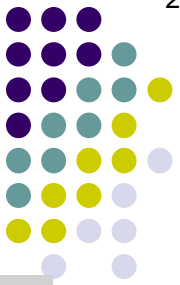
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Q



Post filtering-surgery infection

What did the study show with respect to systemic antibiotics and visual outcome?

Intravenous antibiotics did not improve final visual outcome

Why was this conclusion controversial?

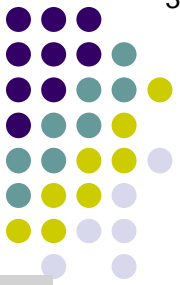
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A



Post filtering-surgery infection

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The antibiotics used in the EVS were ceftaz and amikacin. The EVS was criticized for the choice of Ceftaz over vanc, which has better coverage of Gram+ cocci.

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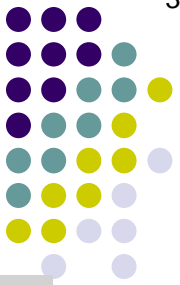
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A



Post filtering-surgery infection

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2) How effective are systemic antibiotics?

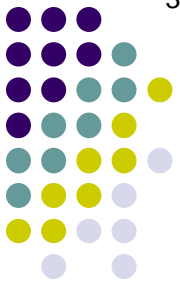
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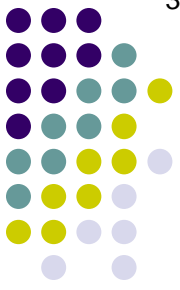


Q

● Post filtering-surgery infection

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- Management:
 - Blebitis: Topical and subconjunctival antibiotics
 - Bleb-associated endophthalmitis: **Intravitreal antibiotics +/- PPV**

Should treatment decisions in bleb-associated endophthalmitis be based on EVS guidelines (ie, PPV if VA LP or worse, otherwise tap + intravitreal antibiotics only)?



A

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Should treatment decisions in bleb-associated endophthalmitis be based on EVS guidelines (ie, PPV if VA LP or worse, otherwise tap + intravitreal antibiotics only)?
No! The EVS was designed to address endophthalmitis after cataract, not glaucoma surgery. Thus there is no compelling reason to extrapolate its findings to glaucoma surgery.