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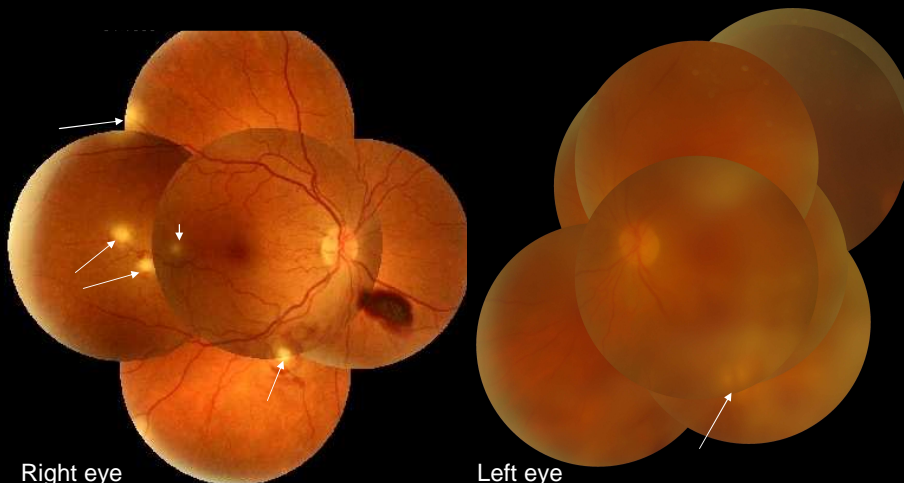
**Case Report: *Candida guilliermondii* fungaemia and endophthalmitis in a patient with acute myeloid leukaemia**

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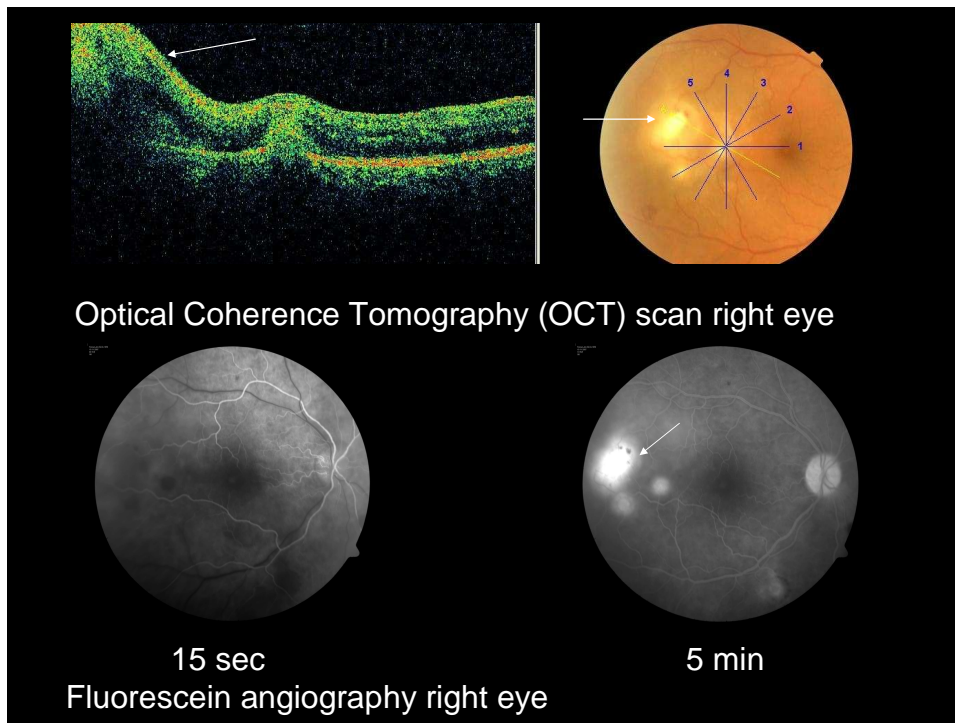
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51 year-old man  
Acute myeloid leukemia  
Pneumonia and blurred vision  
ICU 3 different antibiotics and fluconazole  
*C. guilliermondii* in two separate blood cultures  
All tests for viral, parasite and bacterial infections were negative.



Right eye

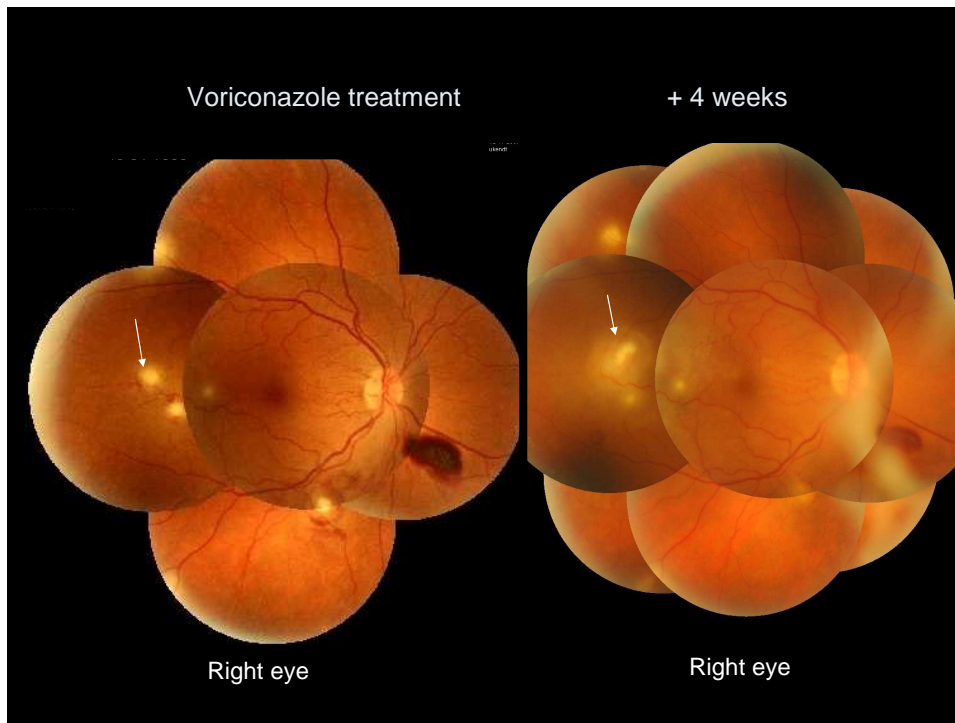
Left eye



## Treatment

- Anti-bacterial &-viral
  - Aciclovir, Ciproxin, Vancomycin, Meronem, Bactrim (iv)
- Antifungal
 

– Fluconazole (iv)	prophylactic
– Amphotericin B + 5 flucytosine (iv)	4 weeks
– Voriconazole 800 mg (po)	4 days
– Voriconazole 400 mg (po)	4 weeks

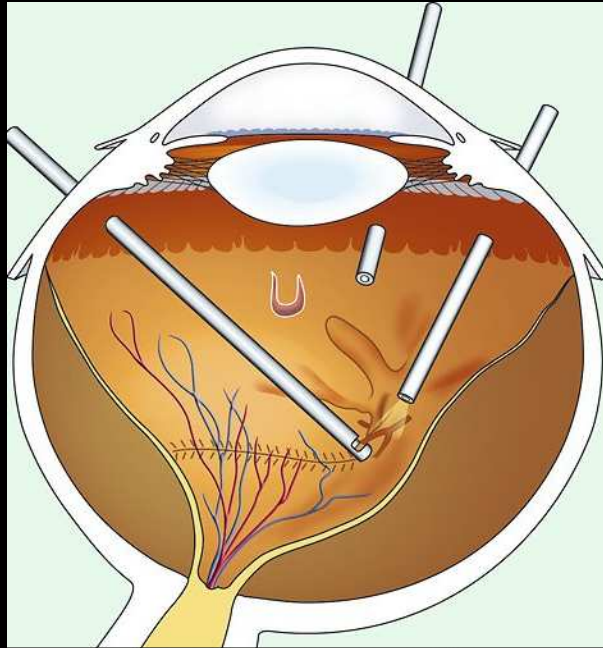


	<u>Fluconazole</u>	<u>itraconazole</u>	<u>voriconazole</u>	<u>Caspofungin</u>	<u>Amphotericin</u>
<b>MIC</b>	>16	0.125	0.25	1	0.048
<b>SIR</b>	R	S	I	S	S
<b>BP</b>	2/4	0,125/0,5	0,125/NE	2/NE	1/NE

Breakpoints are indicated as S≤X / R>Y. NE indicates Not Established.

- Serum concentration voriconazole: 0,92 µg/ml (therapeutic level: 1-6 µg/ml).

# Vitrectomy



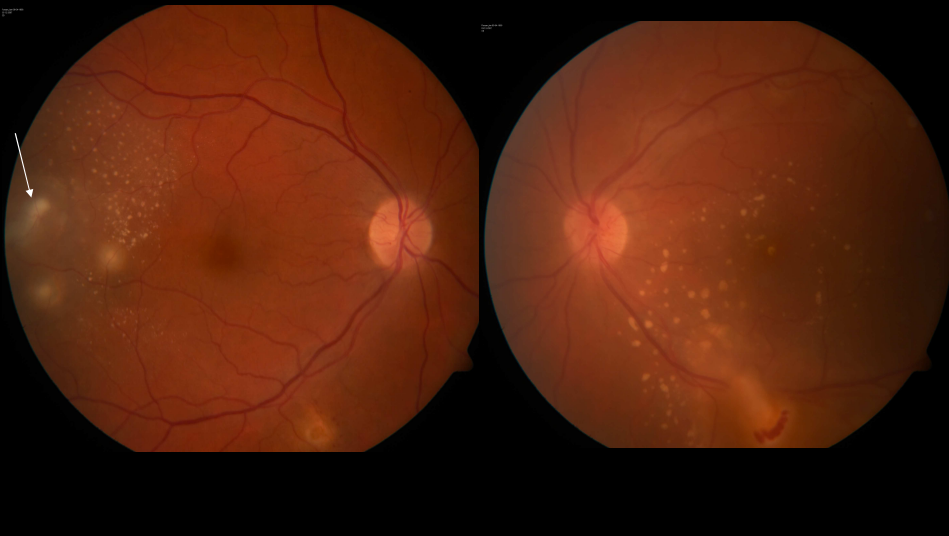
Praktisk Oftalmologi

Candida endophthalmitis:

Vitrectomy

amphotericin injection both eyes

Iv amphotericin B + 5 flucytosine



## Conclusion

Fungaemia due to *C. guilliermondii* is rare.

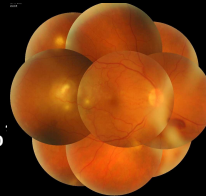
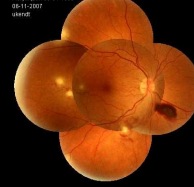
Blood isolates in Denmark 2004-7 (n=1562):

- *C. guilliermondii* (n=13) 0.8%
  - Fluconazole MIC >16 µg/ml 2
  - Voriconazole MIC >0.125 µg/ml 3

Voriconazole penetration (blood Brain/eye) 46%

Endophthalmitis:

- Repeated fundus photos
- Species identification
- Susceptibility testing
- Drug level monitoring
- Vitrectomy



Ref:Lutsar CID 2003



Thank you for your attention  
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