

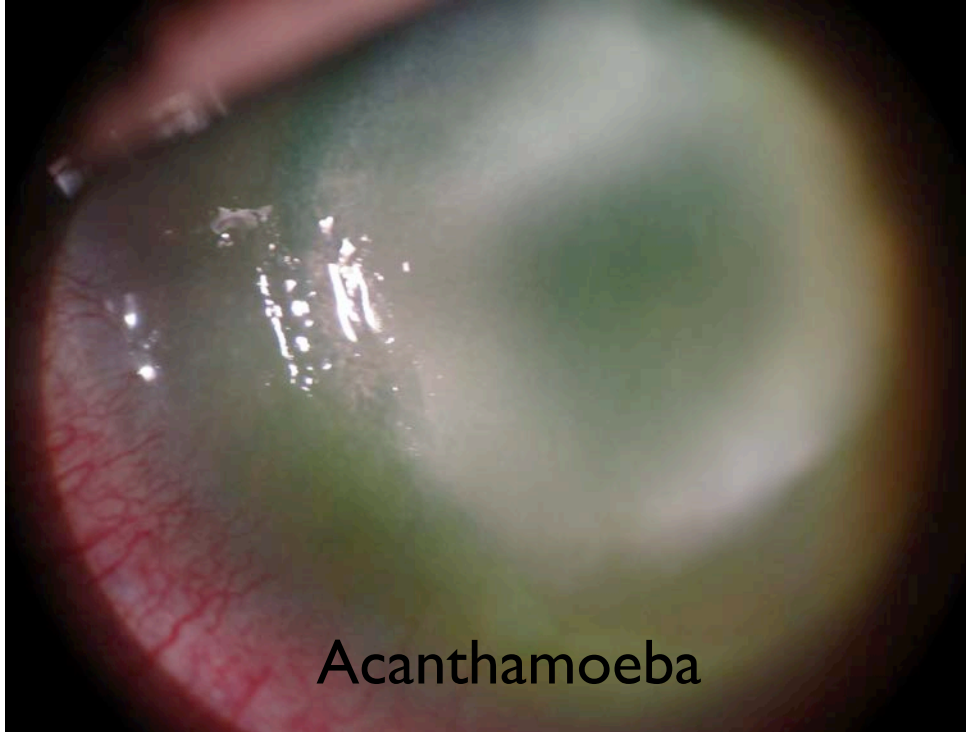


DIA A DIA DO CONSULTÓRIO

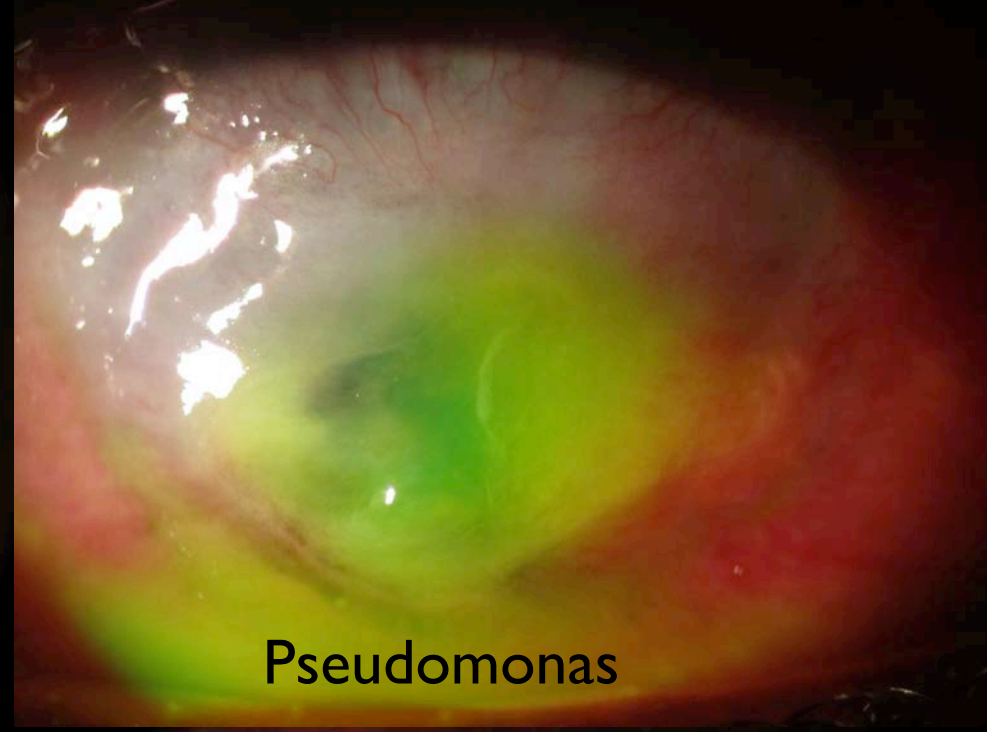
IMPORTÂNCIA DA
MICROSCOPIA
CONFOCAL *IN VIVO*

Prof. Dr. Gustavo Novais

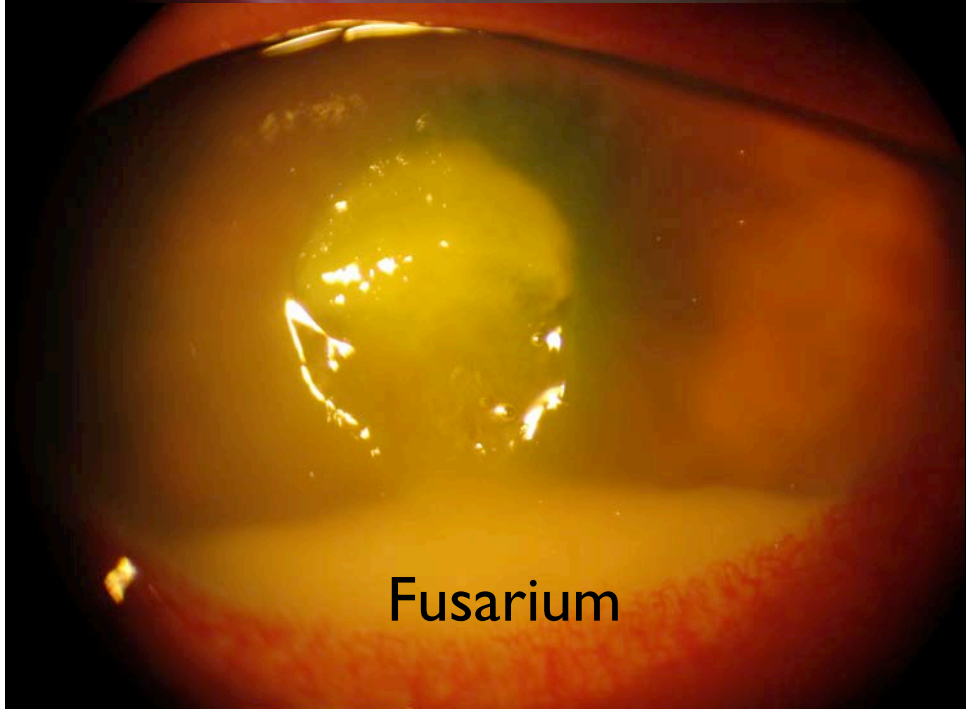
*Universidade Federal Do
Estado do Rio de Janeiro/UNI-
RIO*



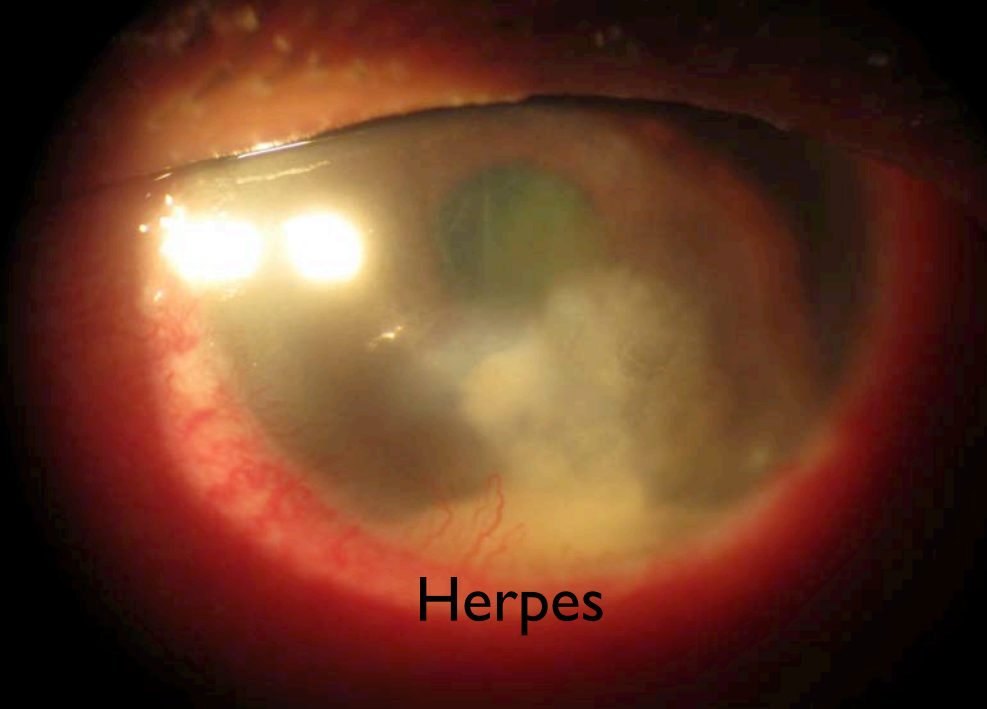
Acanthamoeba



Pseudomonas

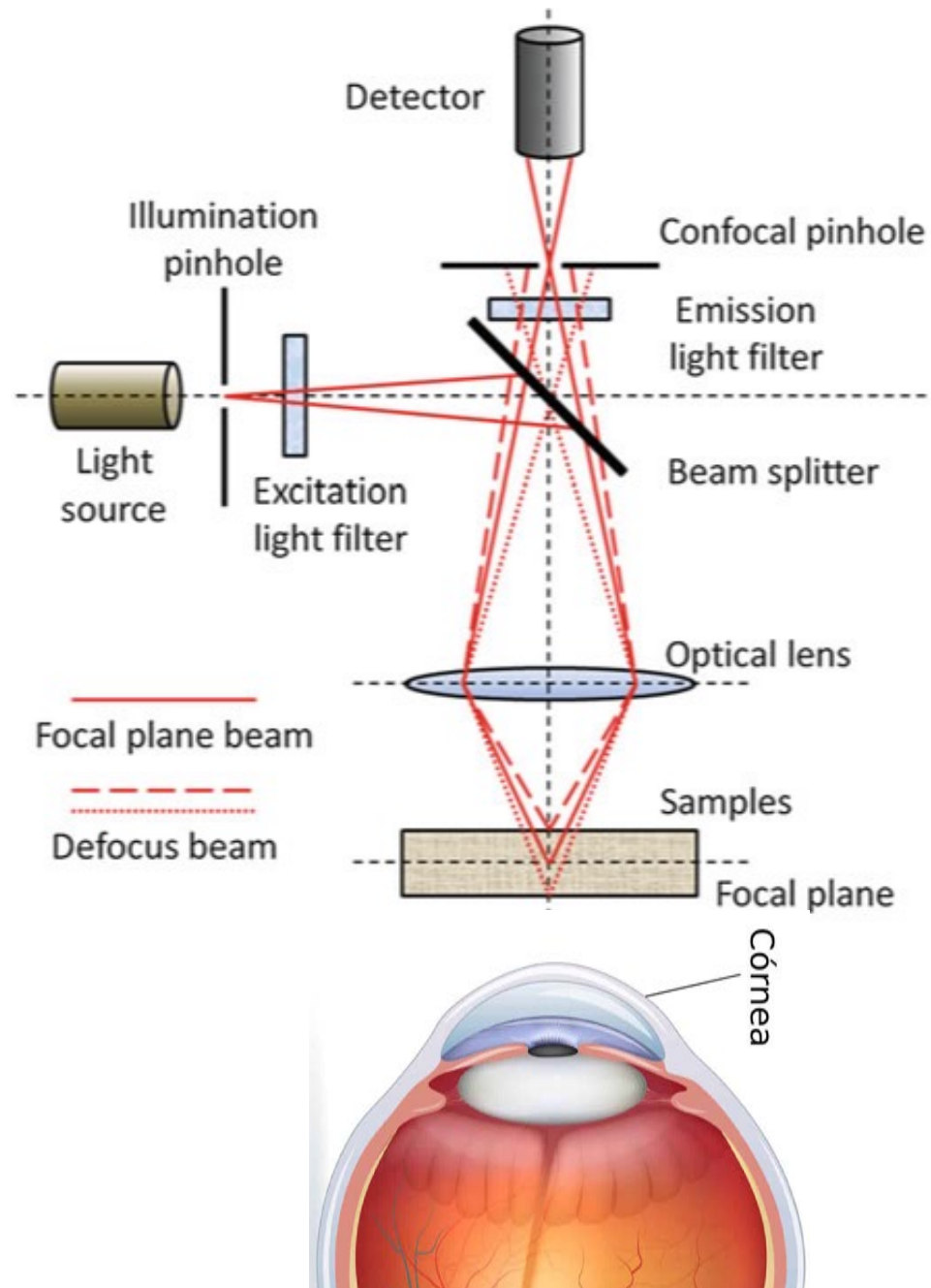


Fusarium



Herpes

COMO FUNCIONA?



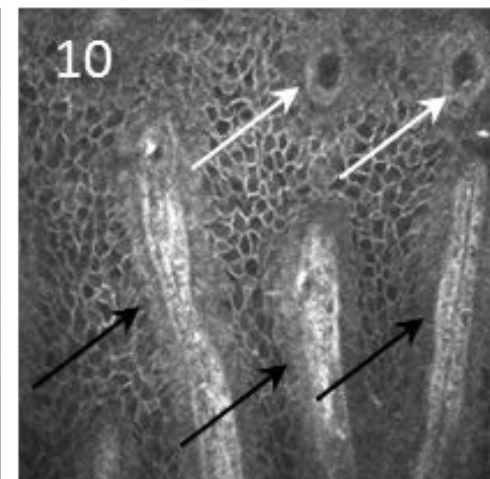
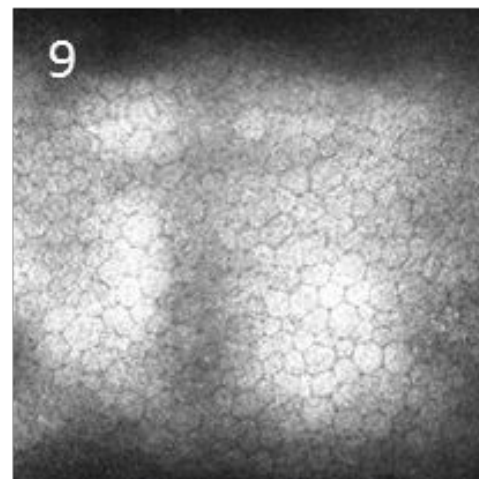
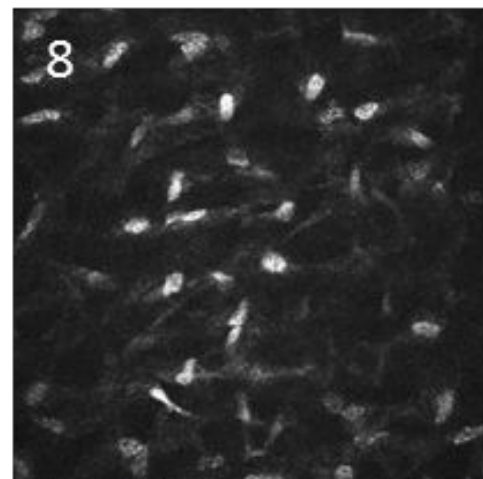
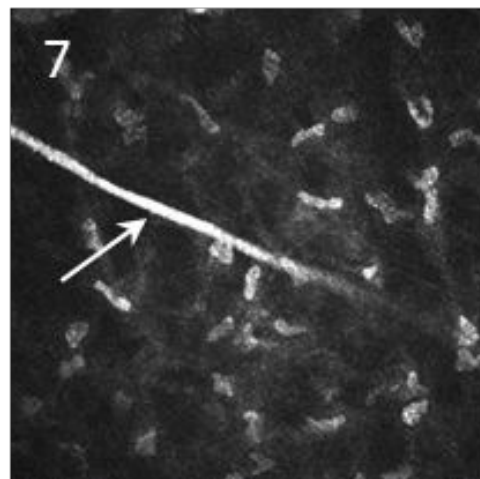
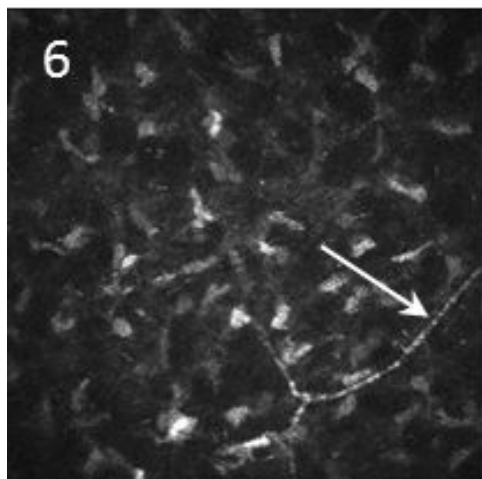
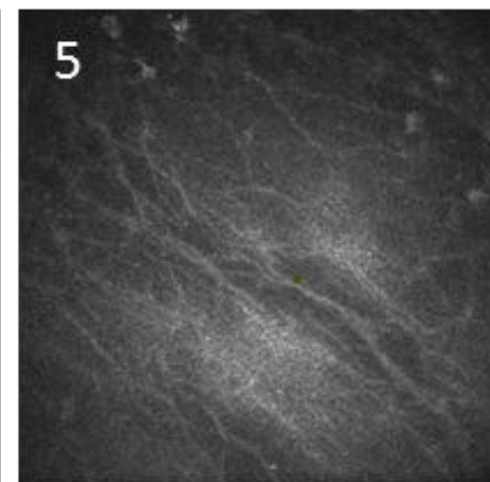
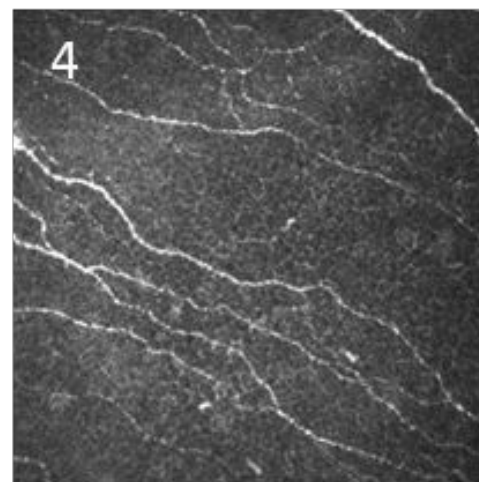
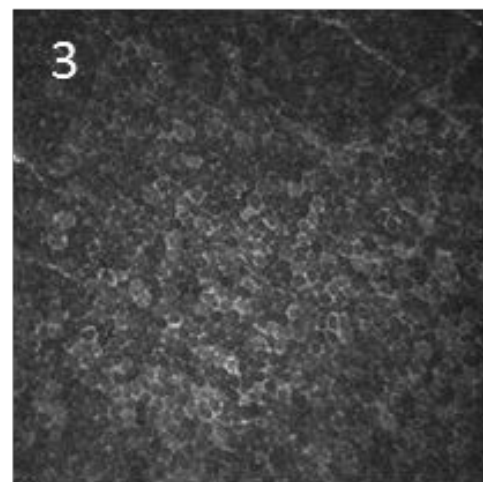
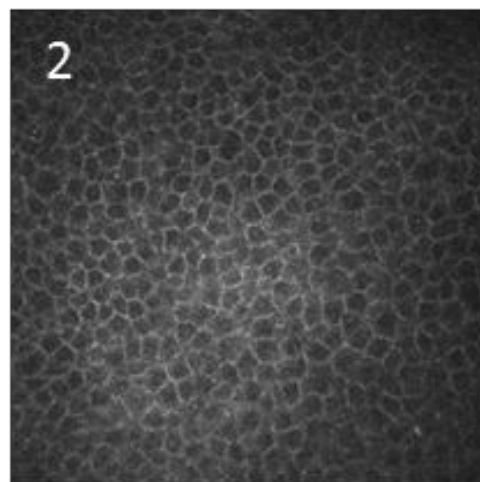
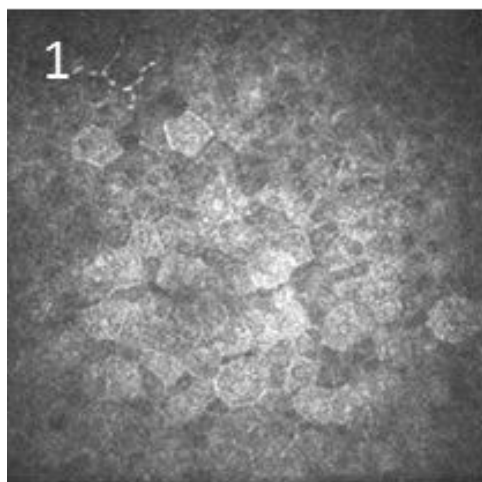
- Varredura ponto a ponto com LASER Diodo 670nm
- LASER passa por Pinhole, depois sofre reflexão e transmissão através de jogo de espelhos e lentes até objeto a ser estudado.
- Reflexão até passar por outro pinhole até o detector/receptor para formar imagem (Elimina imagem fora de foco)
- Campo visão $400 \times 400\mu\text{m}$
- Resolução axial $2\text{-}4\ \mu\text{m}$
- Aumento 800 x



COMO UTILIZAR A MCIV A FAVOR DO PACIENTE?

- Exame não invasivo
- Indolor
- Biópsia *in vivo*
- Resultado imediato
- Ajuda a guiar tto em casos onde cultura negativa (infecções)
- Avaliar resposta ao tto
- Profundidade acometimento

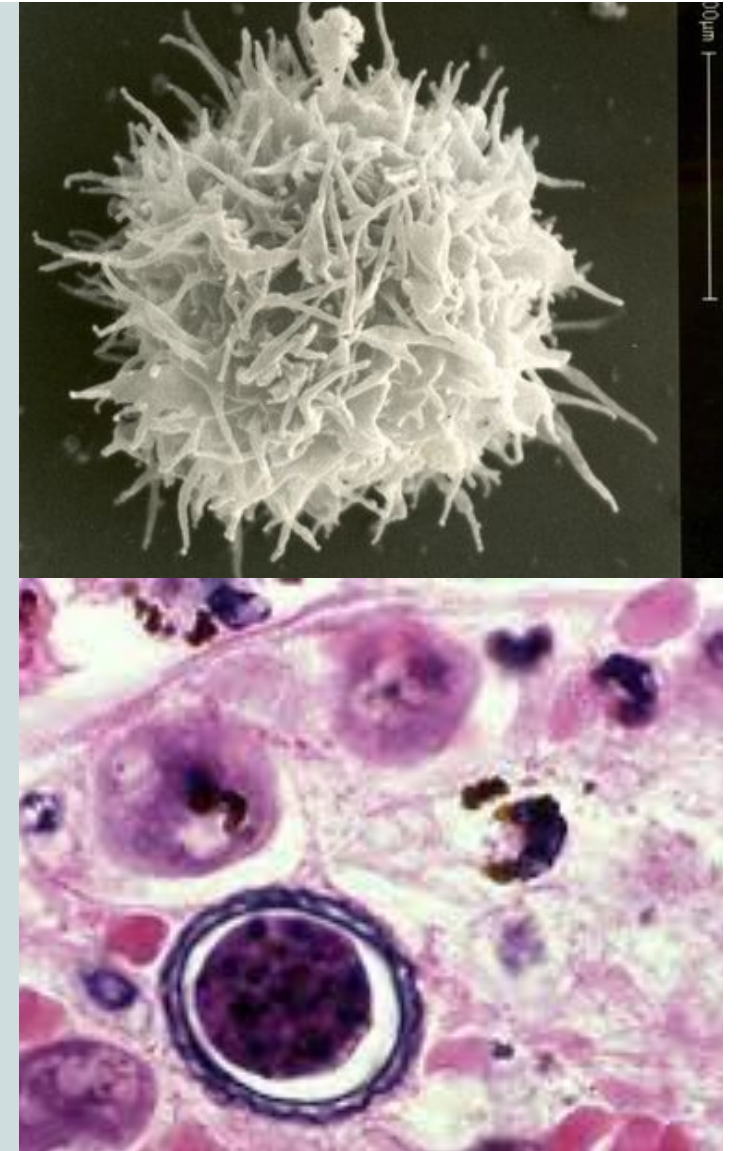




ACANTHAMOEBA SP

Pontos importantes!!

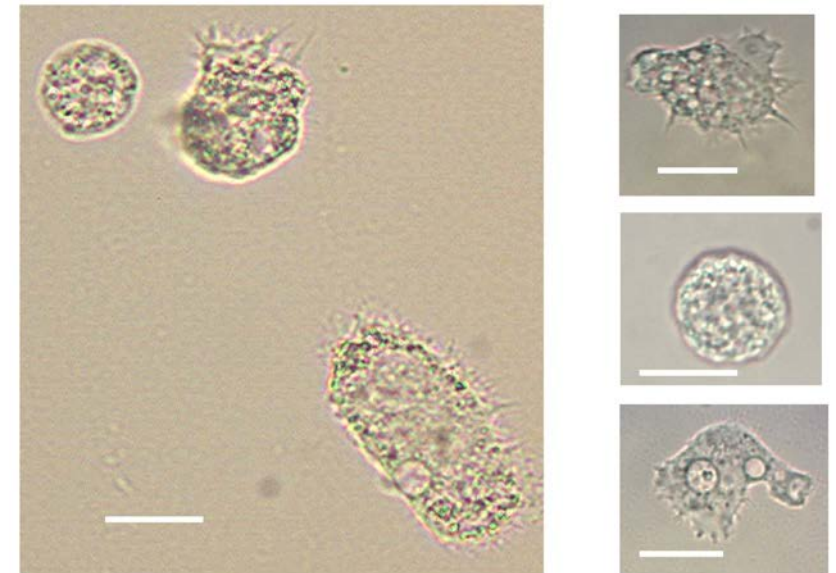
- Usuários de LC (85%)
- Dentre alguns fatores prognósticos ruins:
 - Início tratamento tardio (> 3 sem)
 - Uso corticoide antes dos colírios “Anti-Amebas”
- Tratamento longo e tóxico (evitar tto empírico)

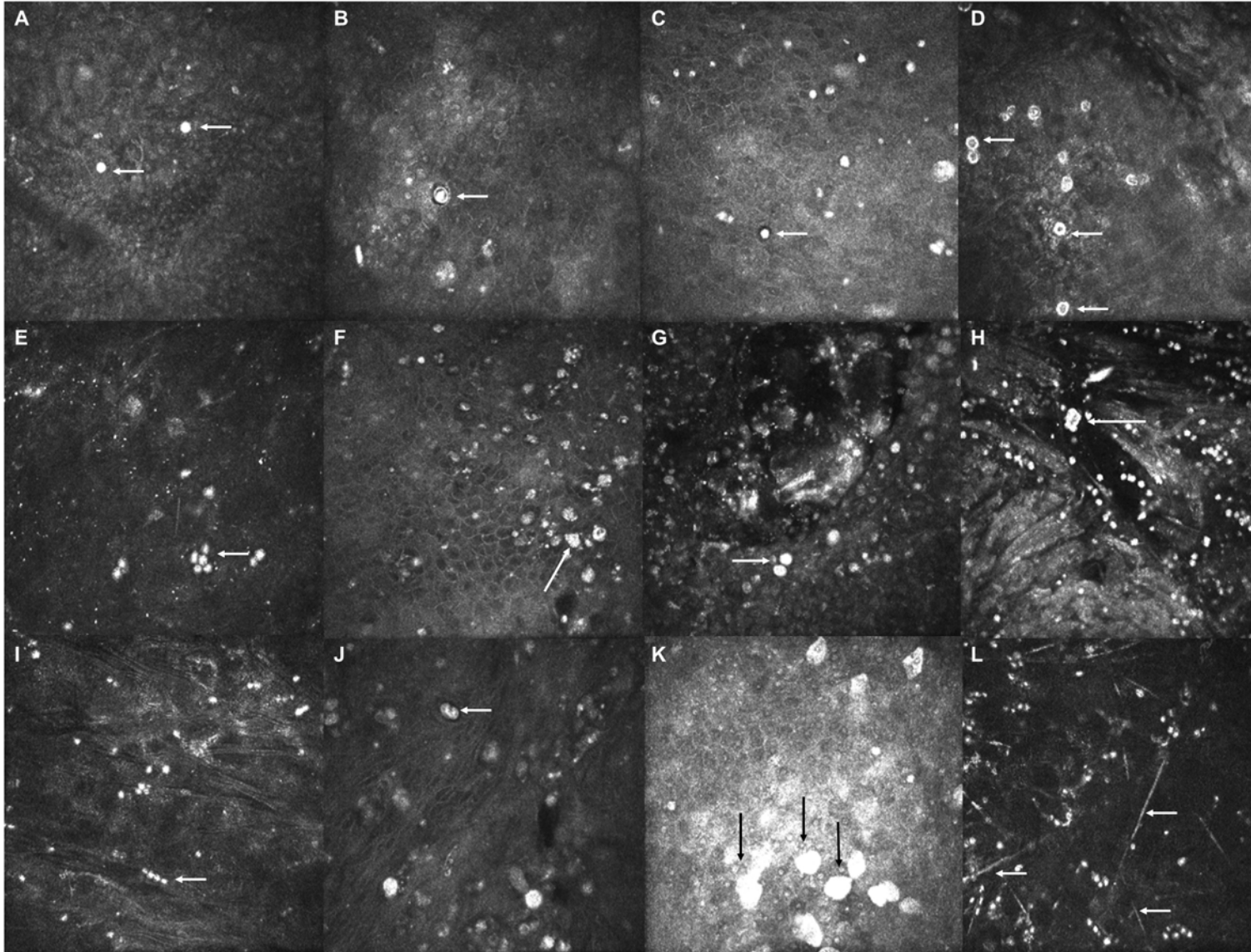


ACANTAMOEBA E CONFOCAL

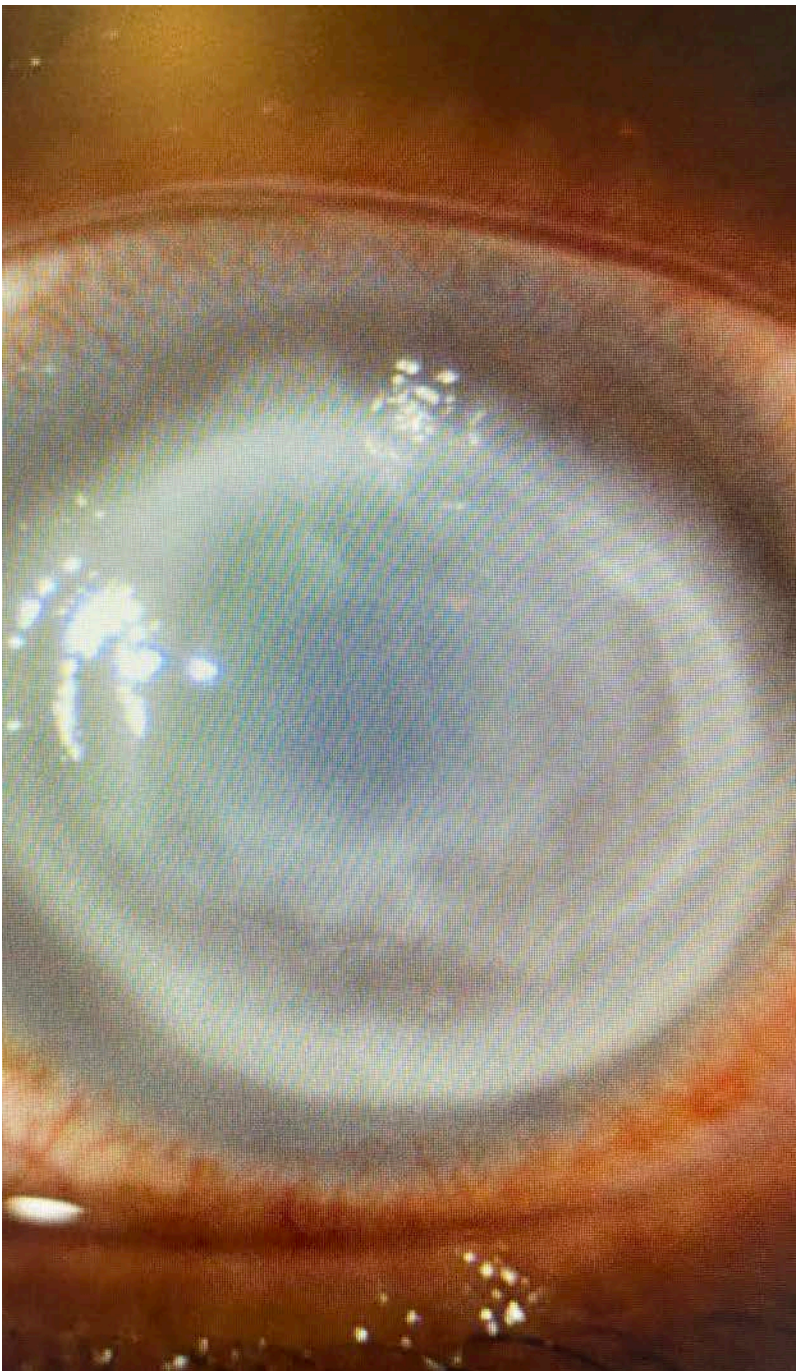
- Cisto dupla parede
- Diam 5-200 micra (geralmente em torno de 10- 25 micra)
- Morfologia pode variar

- **Sensibilidade : 88.2%**
- **Especificidade: 98.2%**



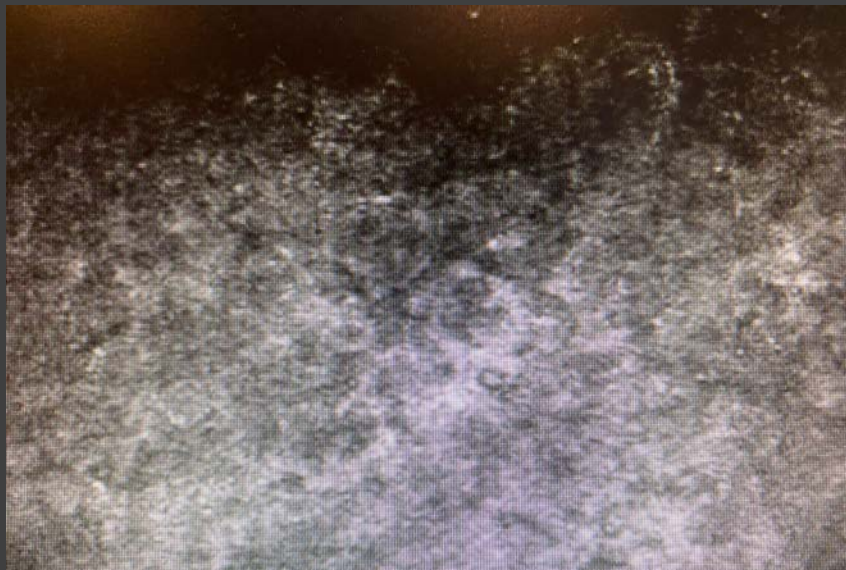


- A. Round/ovoid hyper-reflective objects, measuring 10-25 μm , without double wall,
- B. Round/ovoid hyper-reflective objects, measuring 10-25 μm , with double wall,
- C. Target sign - round/ovoid hyper-reflective central object, measuring 10-25 μm , with surrounding halo,
- D. Signet ring - round hyper-reflective outer ring, measuring 10-25 μm , with a grey/dark center,
- E. Cluster of round/ovoid hyper-reflective objects,
- F. Hyper-reflective polygonal/stellate-type objects,
- G. Binary round/ovoid hyper- reflective objects,
- H. Trophozoite-like hyper-reflective objects, measuring 25-40 μm ,
- I. Single file or linear chains of round/ovoid hyper-reflective objects,
- J. Coffee bean shape hyper-reflective objects,
- K. Large hyper-reflective objects >30 μm in size,
- L. Rod/spindle-shape hyper-reflective objects.



32 anos. Usuária de LCG. 45 dias
de evolução

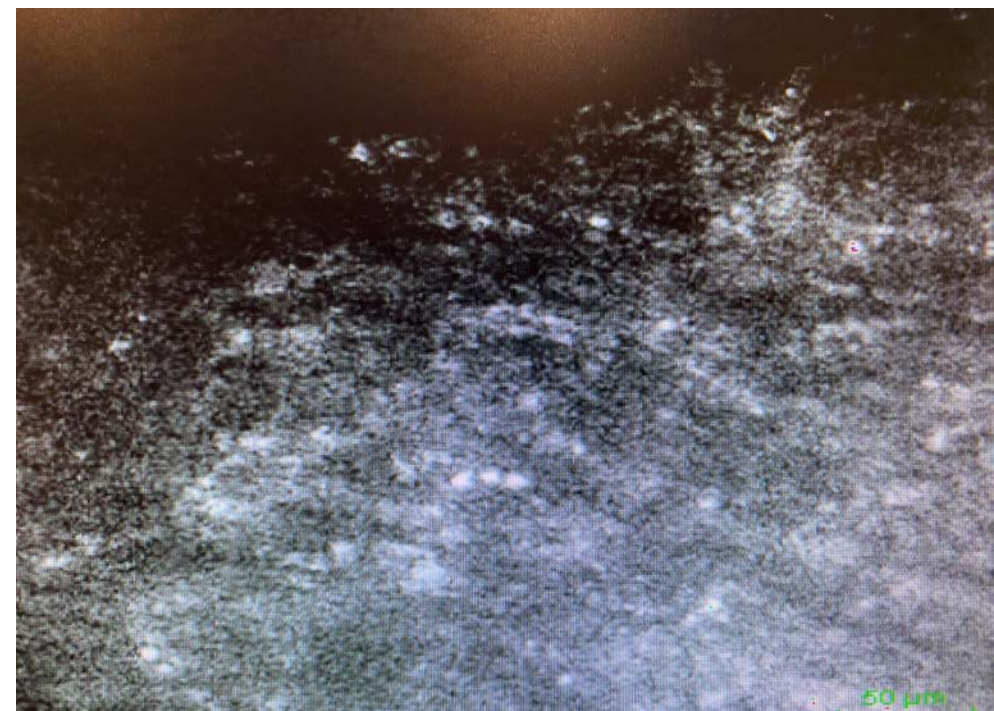
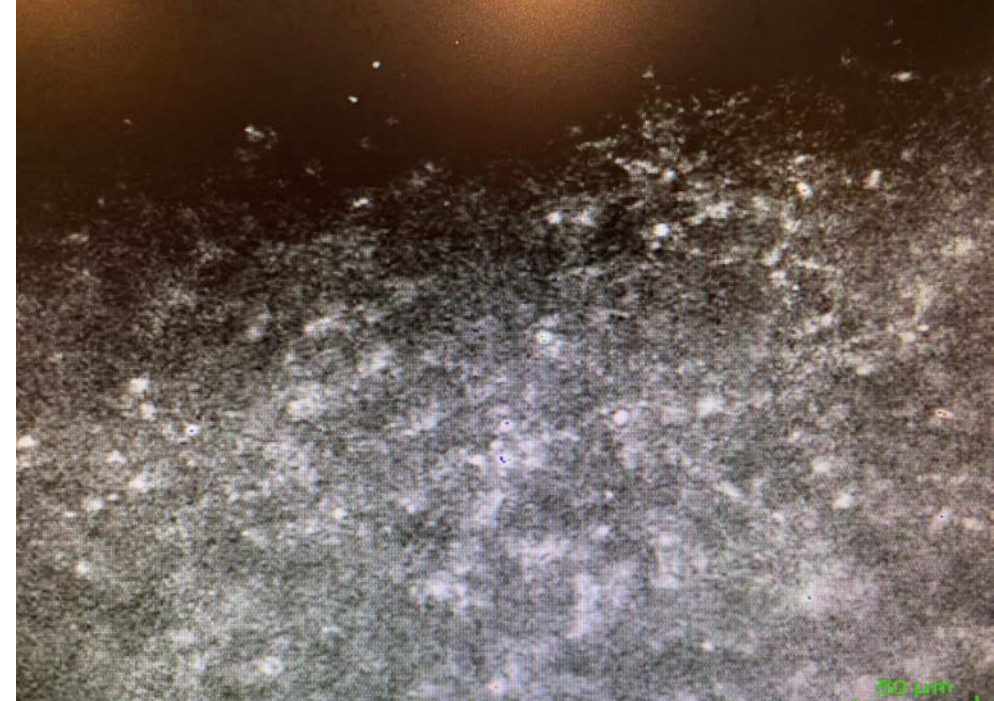




55 anos. Usuário LC. Culturas negativas. 1 mês evolução



26 a, usuária LCG colorida. 3m de evolução. Tratada como uveíte com CE





ESTAÇÃO DO OLHO

**ESTAÇÃO DE PREVENÇÃO
GRATUITA DA SAÚDE OCULAR**



**Oferecemos um
exame de triagem
gratuito para
detecção de
doenças oculares.**

Participe também da
nossa comunidade:

- **Descontos em Clínicas**
- **Descontos em Óticas**
- **Descontos em Lojas**
- **Materiais Educativos**

cadastre-se e saiba mais

estacaodoolho.com.br

nossas redes:

   @estacaodoolho

OBRIGADO!



ESTAÇÃO DO OLHO



Cartilha Ceratocone