



*“Sapienza” Università di Roma
Policlinico Umberto I
U.O.C. Oftalmologia
Clinica Oculistica
Direttore: Prof. Leopoldo Spadea*



“Emergenze corneali: come gestirle dalla banca alla chirurgia”

Leopoldo Spadea



- ♀ **79 anni**
- **Diabete mellito di tipo II, ipertensione arteriosa, ipercolesterolemia, anemia**
- ***Marzo 2017: FACO + IOL OD (+19.50D)***
- ***Dicembre 2018: FACO + IOL OS (+20D) per cataratta evoluta***

Blu di metilene!



Severe toxic effect of methylene blue 1% on iris epithelium and corneal endothelium

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Abstract

Purpose: To report a case of corneal endothelial decompensation and iris pigment dispersion following the inadvertent use of methylene blue 1% for capsular staining during cataract surgery.

Design: Case report.

Methods: During an otherwise routine phacoemulsification cataract surgery, inadvertent anterior capsule staining with methylene blue 1% instead of trypan blue 0.025% was performed. Copious irrigation of the anterior chamber with balanced salt solution was initiated upon identification of the wrong dye. The operation was completed with minimal ultrasound energy without complications.

Results: Iris discoloration and severe corneal edema developed in the early postoperative period, resulting in severe visual loss. The patient developed bullous keratopathy and underwent penetrating keratoplasty 16 months later.

Conclusions: In vivo intracameral injection of methylene blue 1% induces extreme cytotoxicity, primarily on the corneal endothelium and iris epithelium.



- **SCOMPENSO CORNEALE OS**

VOS: conta dita

TOS: 18mmHg

Pachimetria corneale: ~900 μ



Programmata DSAEK...



.... La paziente non esegue i controlli



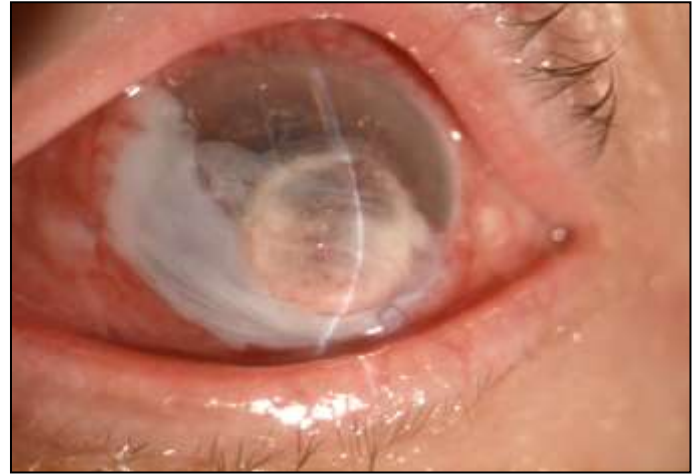
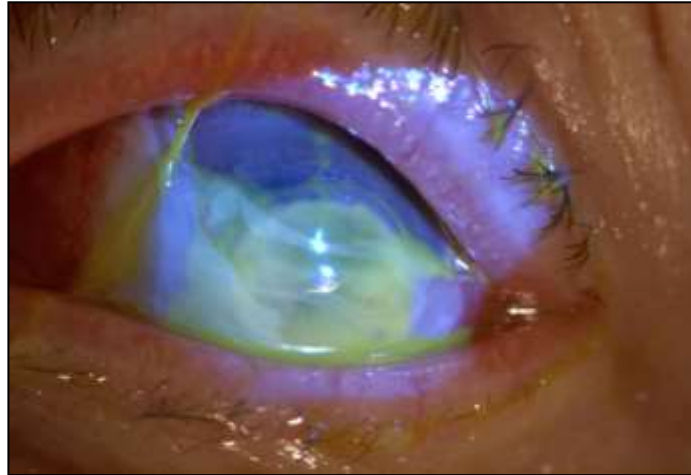
- **Ulcera corneale e descemetoccele, distacco di coroide, disomogeneità vitreale con echi anomali in CV di presumibile natura infiammatoria**

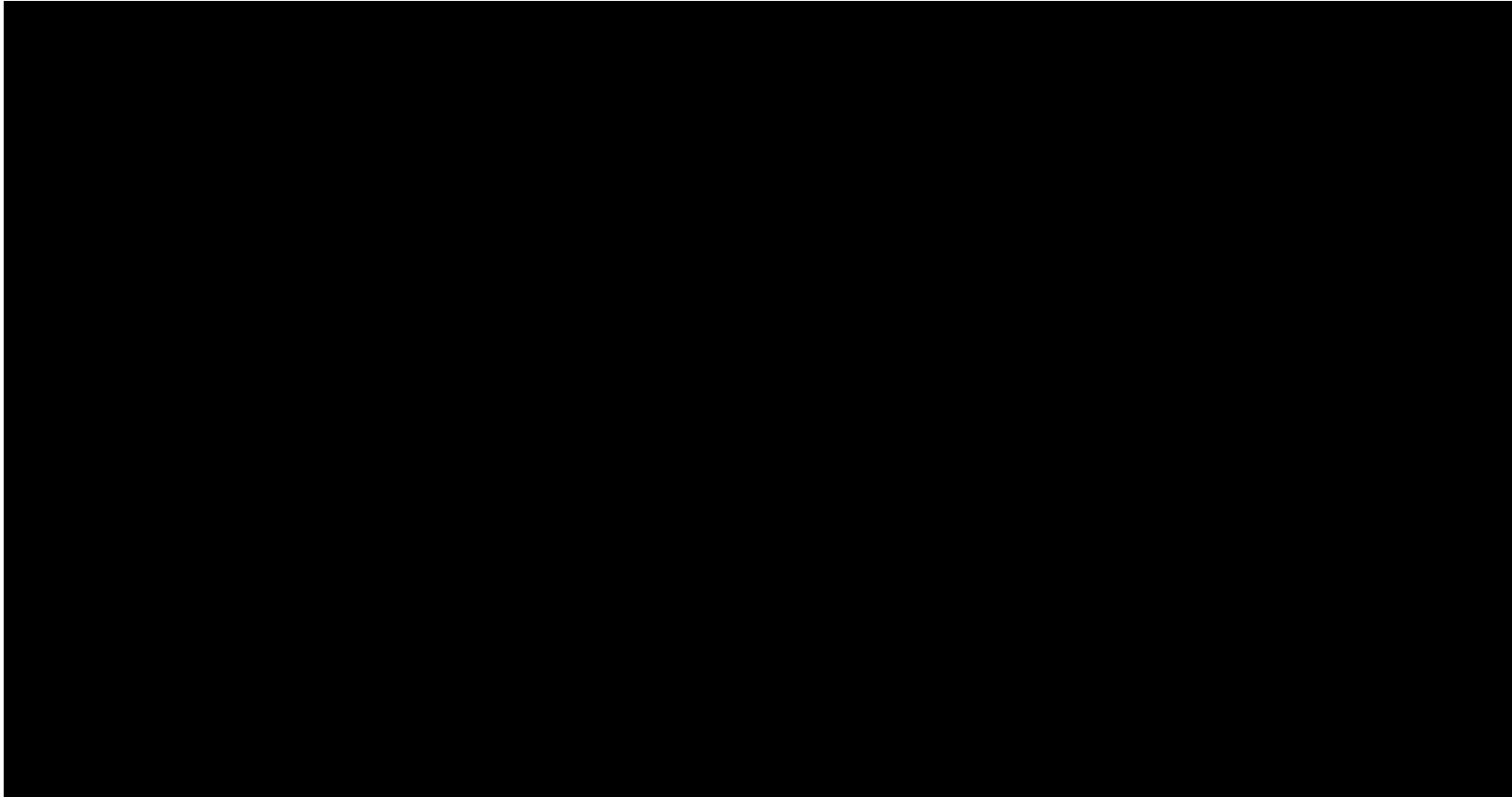


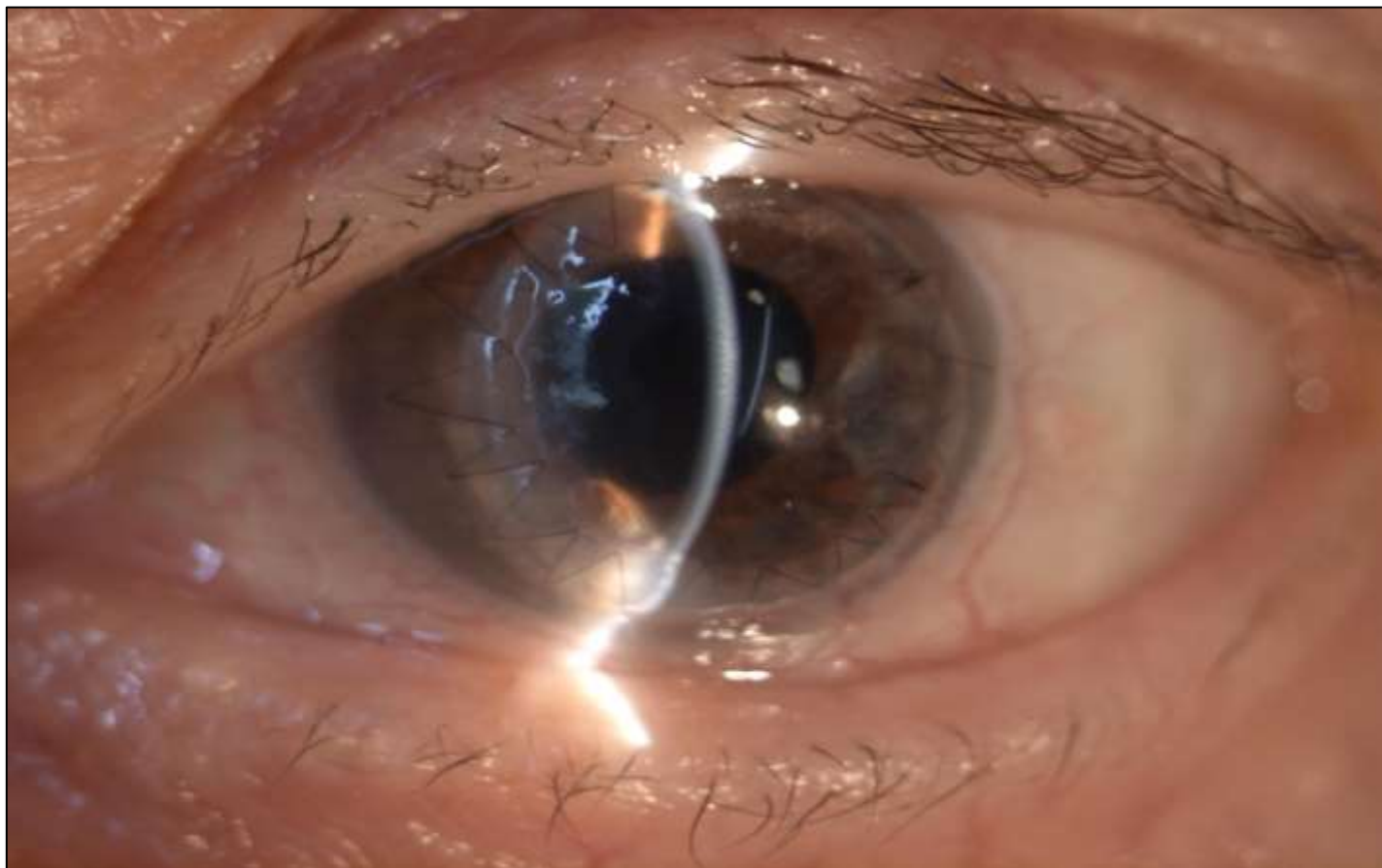
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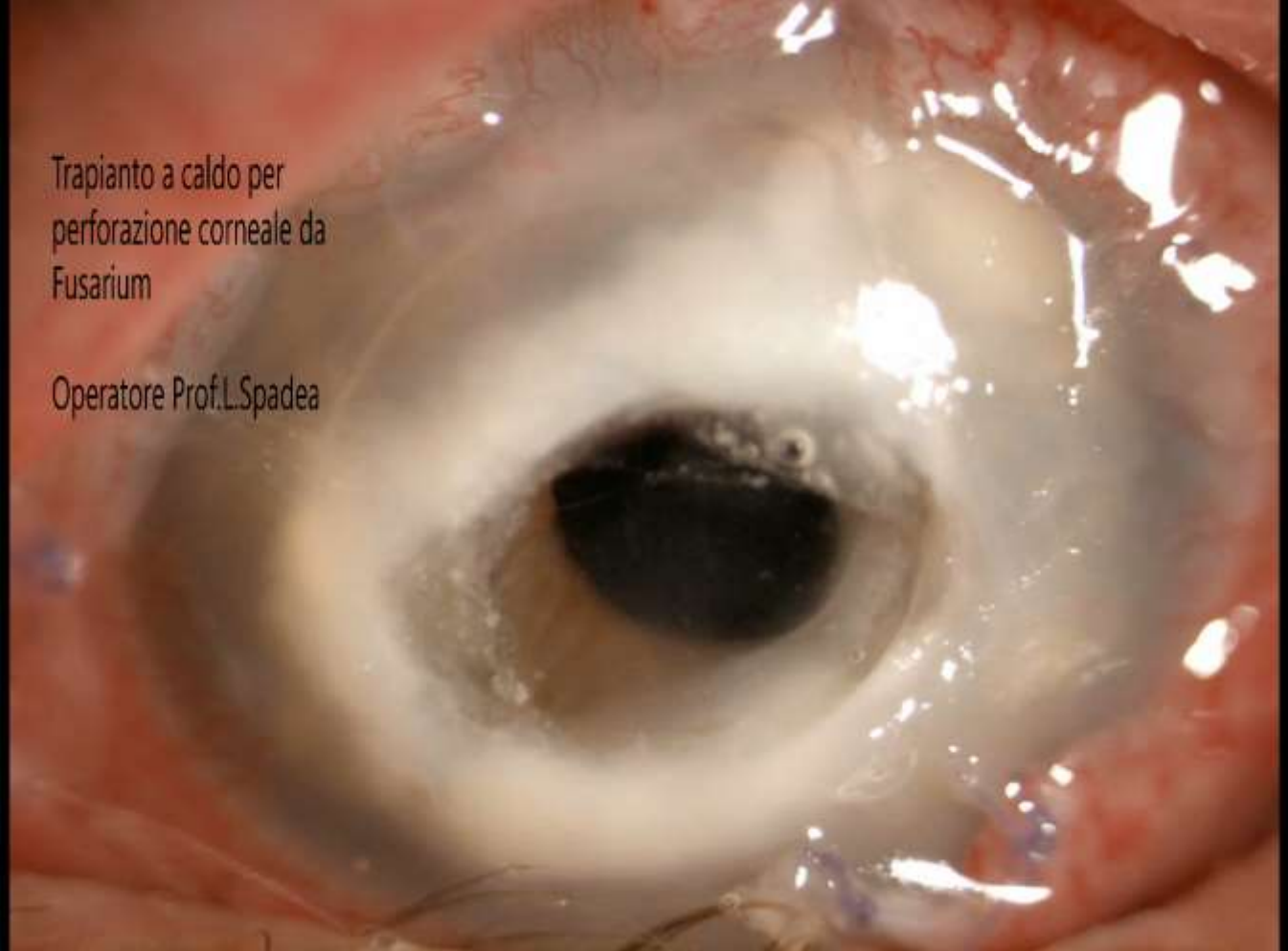


- **Esame colturale corneale positivo per *Acremonium***
- **Ricovero presso Clinica delle Malattie Infettive per trattamento e follow-up sistemico**









Trapianto a caldo per
perforazione corneale da
Fusarium

Operatore Prof.L.Spadea

Grazie

