

VETUMK

VISIOFLAVIN

IMPROVING EYE CARE IN VETERINARY MEDICINE

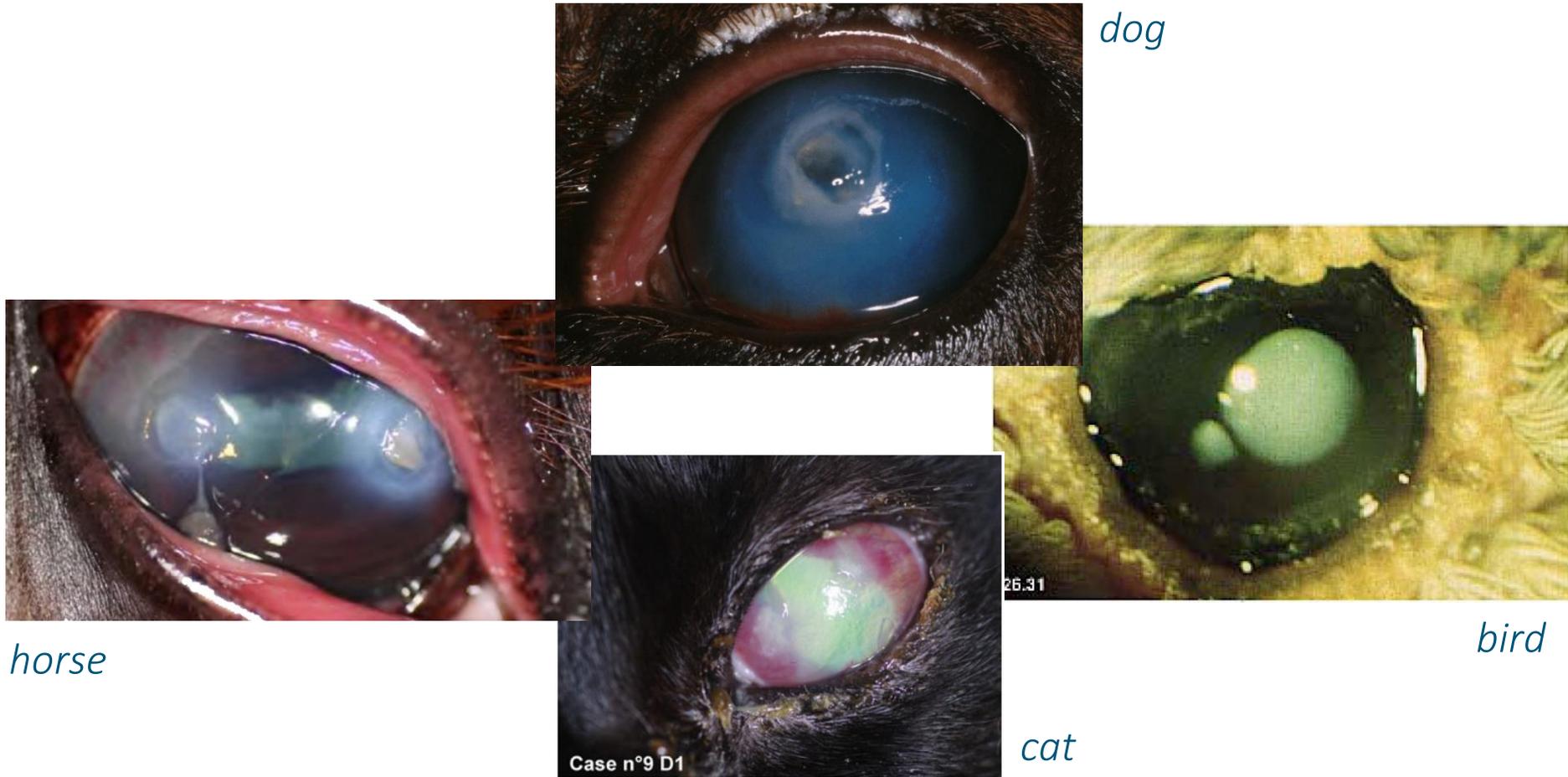


VISION
ENGINEERING
ITALY

Regenerating Vision with Light

Infectious keratitis and **corneal ulcer** are common diseases in dogs, cats, horses and birds.

They can be rapidly complicated by *corneal melting* leading to visual loss.



CURRENT THERAPIES ARE INEFFECTIVE!

Topical antibiotics represent the gold standard for treating infectious keratitis.

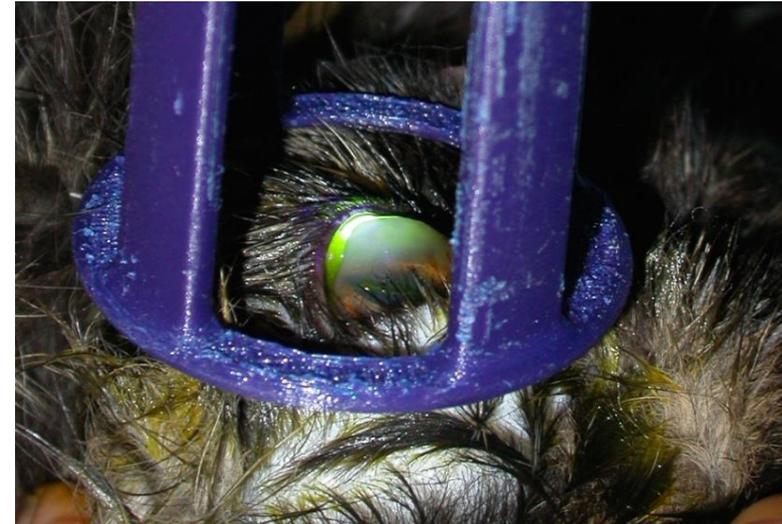
The results of medical treatment for corneal ulcer are variable and frequently ineffective

In 50% of bacterial isolates from dogs and cats,* **staphylococci** and **streptococci** (2/3 of all corneal infections) are **resistant to antibiotics!**

*Suter et al. Veterinary Ophthalmology 2017: 1-10; Saputra et al. PLoS ONE 2017; 12(4): e0176379

Corneal photochemotherapy with **VETUVIR**

is the **new antimicrobial therapy** for efficiently treating **infectious keratitis** with **riboflavin** and **UV-A light**.



Indication for use: Infectious keratitis and septic corneal ulcer in companion animals and horses.

How does it work?

Corneal photochemotherapy is performed by irradiating the cornea, which has been soaked with **VISIOFLAVIN** riboflavin solution for 20 minutes, using **VETUVIR**, the advanced UV-A device.

1) Soak the cornea
with VISIOFLAVIN

2) Irradiate the cornea
with VETUVIR

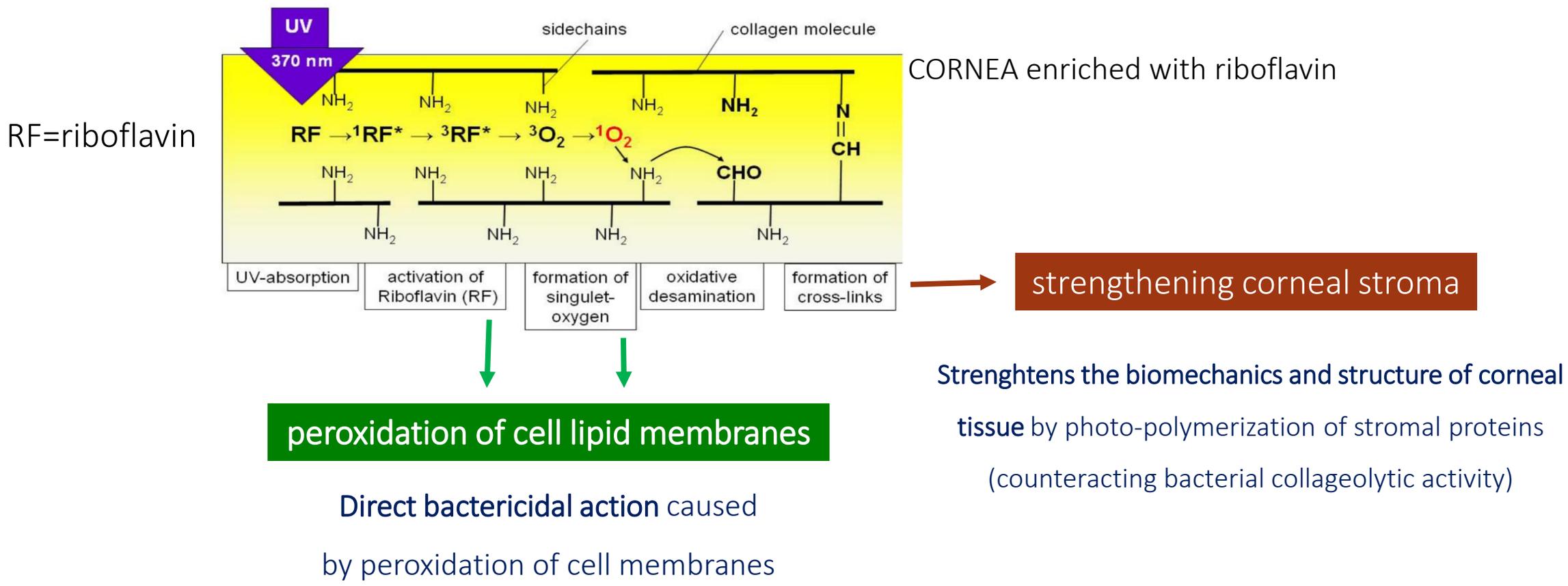
VISIOFLAVIN



VETUVIR

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How does it work?



Unique features

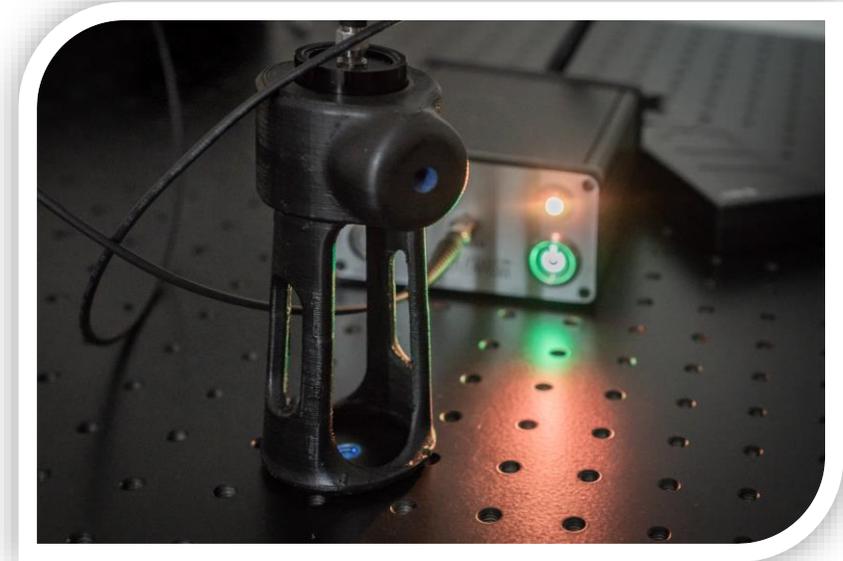
Two UV-A irradiance settings: 10 mW/cm² and 30 mW/cm²

Fully portable

Easy-to-use

Bluetooth remote control

*Efficiently used either
in the operating room
or in the stable*



Manufactured according to Dir. CEE 2001/95, 2006/42/CEE and 2014/30/UE

Riboflavin with enhancers

0.1% riboflavin solution

- *hypotonic*
- *dextran-free*
- *with enhancers*

*Visioflavin permits homogeneous
and deep penetration of riboflavin
across the stroma*



Clinical cases

Courtesy Prof. R. Gialletti



Horse with chronic corneal abscess
(pseudomonas+ and streptococcus+)
Resistant to antibiotic therapy.



1 week after VETUVIR:
Almost complete resolution
of the abscess.



5 weeks after VETUVIR:
(pseudomonas- and streptococcus-)
Vision is restored.

Clinical cases

Courtesy Prof. R. Gialletti



Horse with chronic corneal abscess

(aspergillus+)

Resistant to topical therapy (>4 weeks).



3 days after VETUVIR:
wound healing process started.



4 weeks after VETUVIR:
(aspergillus-)
Vision is restored.

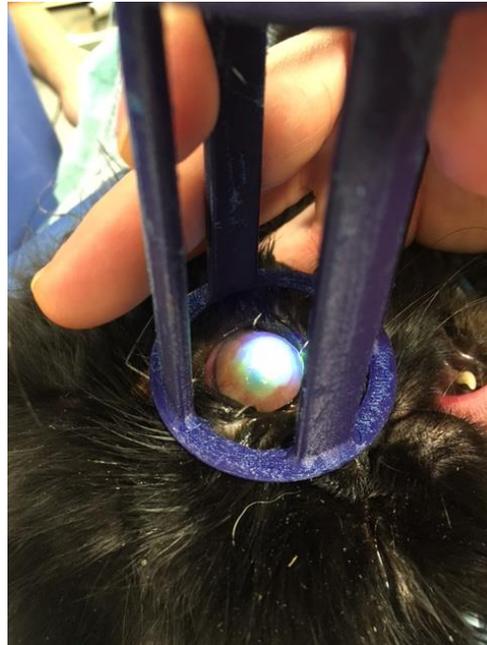
Clinical cases

Courtesy Dr. C. Giordano

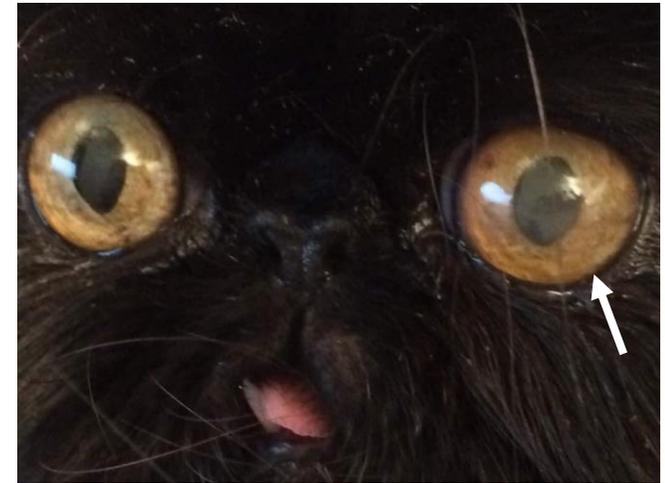


Corneal photochemotherapy

Persian cat
with ulcerative keratitis



1 month after VETUVIR

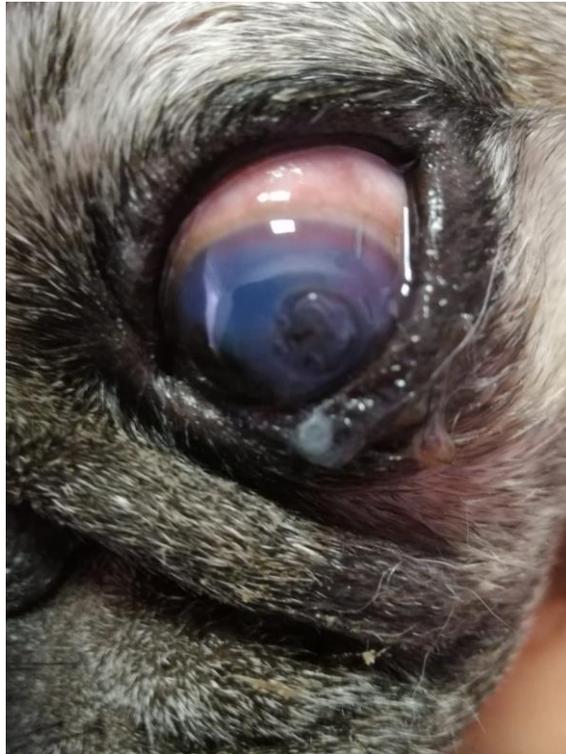


2 months after VETUVIR
The left cornea is almost CLEAR



Clinical cases

Courtesy Dr. A. Marchegiani



Shitzu with corneal ulcer
(stafilococco+ ed enterococco+)

UNIVERSITA' BICAMERALE
 Scuola di Bioscienze e Medicina Veterinaria
 Laboratorio di Microbiologia Medica e di Malattie Infettive

Data 17/09/2018
 Num. Registro 18/B320

MATERIALE: Tampone congiuntivale INVIATO IL: 17/09/2018
 SPECIE ANIMALE: Cane RAZZA: Shitzu ETÀ: 5AA SESSO: M
 PROVENIENZA Dott. Andrea Marchegiani
 PROPRIETARIO
 INDIRIZZO PROVINCIA
 COMUNE C.A.P.
 CF / P. IVA
 ESAMI ESEGUITI Esame batteriologico e antibiogramma.

RISULTATO *Staphylococcus spp.*; *Enterococcus spp.*

ANTILOGRAMMA (METODO DI KIRBY-BAUER)

Antibiotico	Risultato <i>Staphylococcus</i>	Risultato <i>Enterococcus</i>
TOBRAMICINA	sensibile	sensibile
NETILMICINA	sensibile	sensibile
ERITROMICINA	sensibile	resistente
GENTAMICINA	resistente	sensibile
RIFAMPICINA	resistente	resistente
OXACILLINA	resistente	sensibile
CIPROFLOXACINA	resistente	sensibile
AMOXICILLINA	sensibile	sensibile

Colture & antibiogramma



3 weeks after VETUVIR.
Cornea completely healed!

Clinical cases

Courtesy Prof. C. Peruccio



Photochemoterapy

French bulldog with corneal melting and descemetocele.
Resistant to antibiotic therapy.



2 weeks after VETUVIR:
The cornea becomes
more transparent.



1 day after VETUVIR:
(no more descemetocele)



4 weeks after VETUVIR:
Visual function is preserved.



ORDERING AND INFORMATION

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VISIOFLAVIN



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