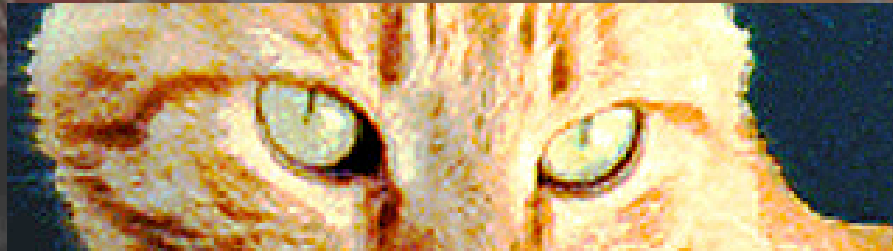


Drugs and the Eye



common problems

A red mushroom with white spots, likely an Amanita muscaria, is the central focus of the image. It is positioned in the upper right quadrant, with its cap and stem visible. The background is a dense field of dry, yellowish-brown grass, which is slightly out of focus. The overall lighting is soft, and the colors are somewhat muted, giving the image a natural, slightly somber feel.

- **foreign bodies**
 - local anaesthetics
 - antibiotics
- **corneal infections**
 - antibiotics
- **other infections**
 - antibiotics
 - atropine

A red mushroom with white spots, likely an Amanita muscaria, is the central focus of the image. It is surrounded by a dense layer of dry, brown grass. The text is overlaid on the left side of the image.

rarer problems

- **glaucoma**
 - **miotics**
 - **diuretics**
 - **β blockers**
- **keratoconjunctivitis sicca**
 - **cyclosporin**
 - **artificial tears**

surgery cases

- **cataracts**
- **lens luxation**
- **(tumours)**

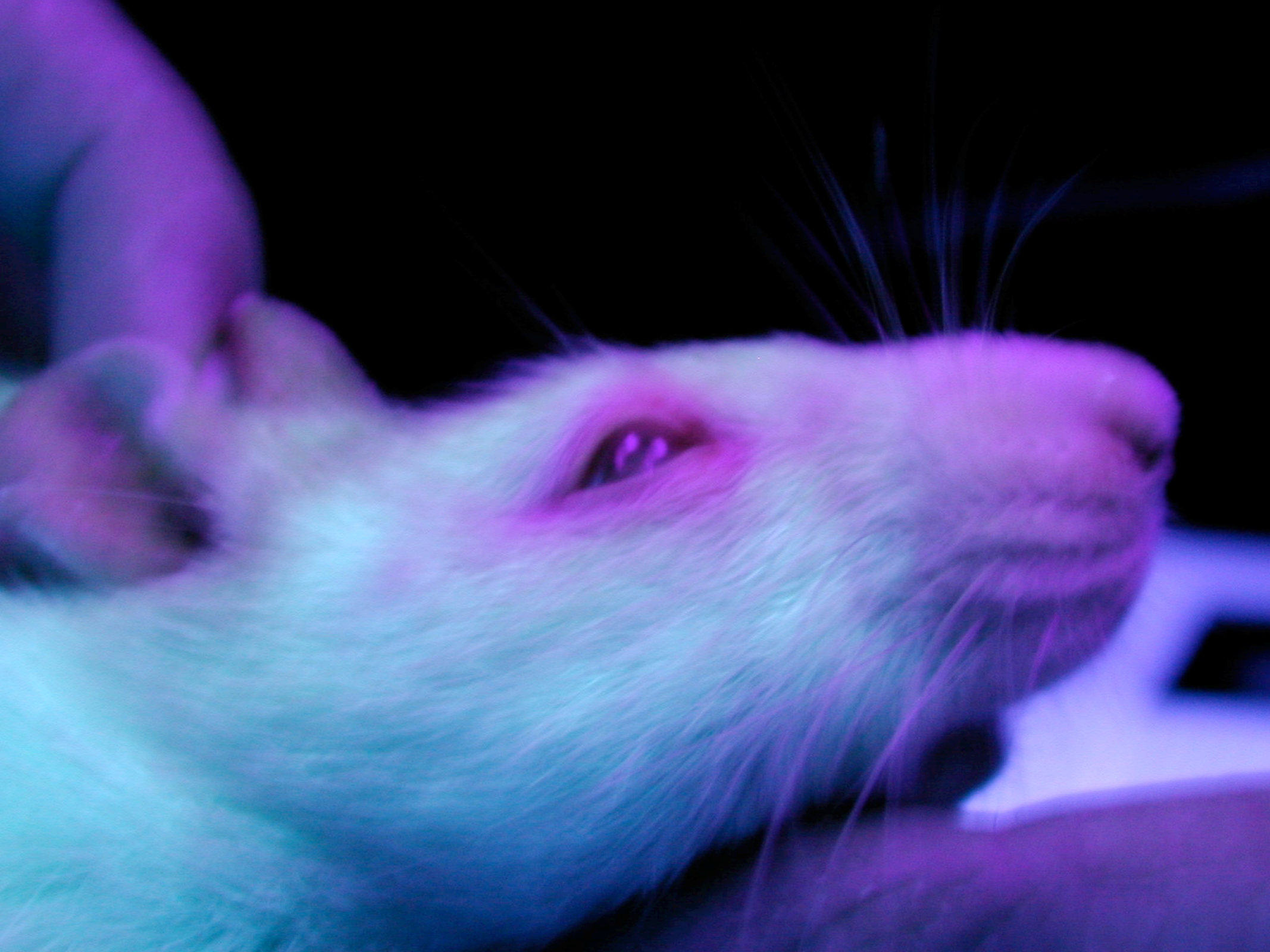


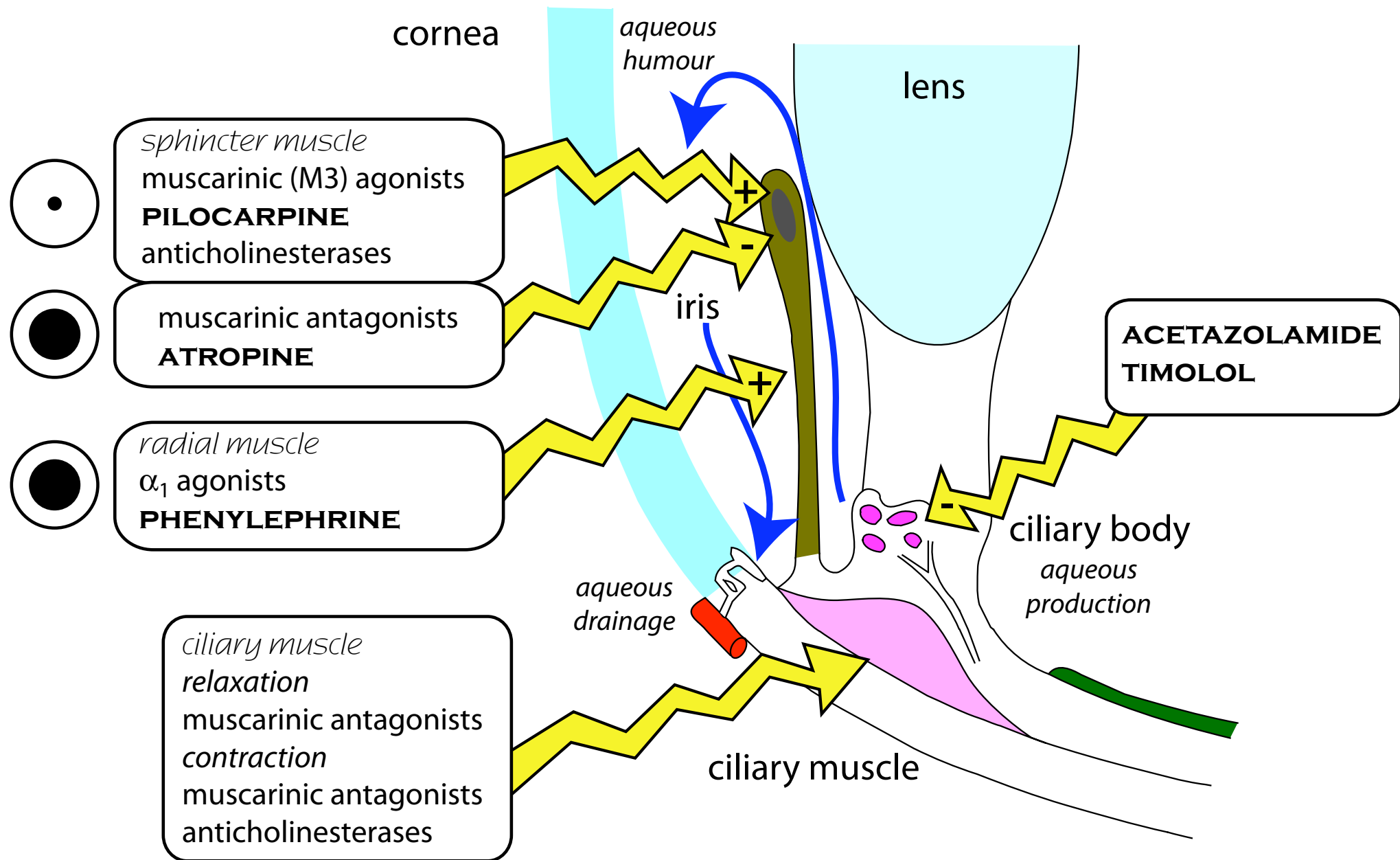
A red mushroom with white spots, likely an Amanita muscaria, is centered in the background. The mushroom has a bright red cap with numerous white, irregular spots. It is growing in a field of dry, yellowish-brown grass. The overall image has a dark, slightly desaturated tone, with the text overlaid in a bright yellow color.

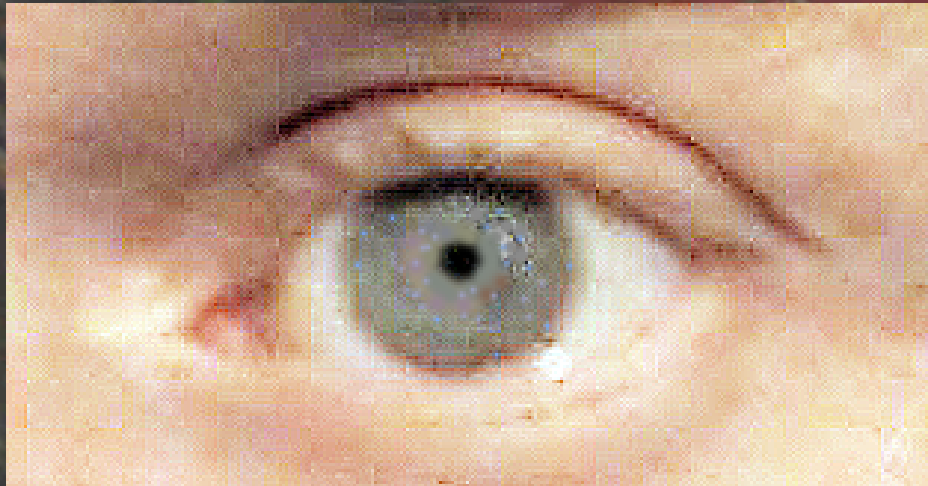
examination

- **fluorescein**
 - corneal abrasion / ulceration
- **local anaesthetics**
 - reduce blepharospasm
- **mydriatics**
 - allow examination of retina

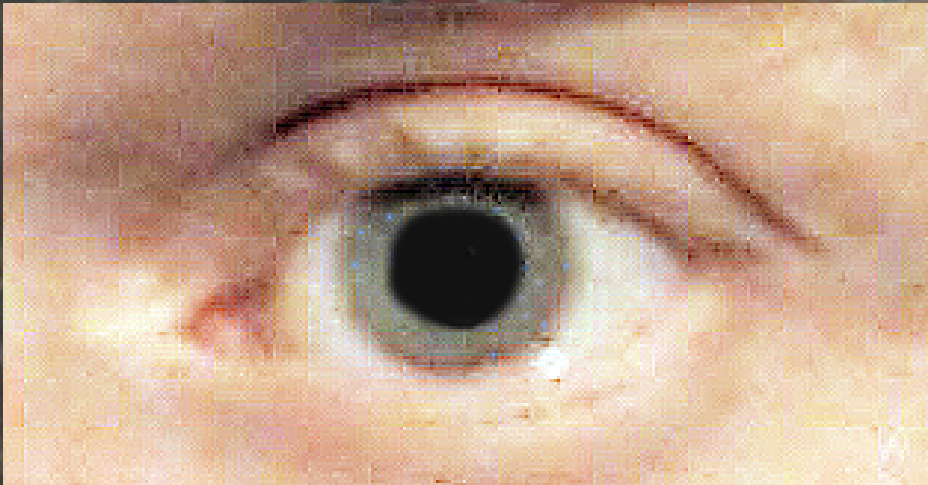








miotic



mydriatic

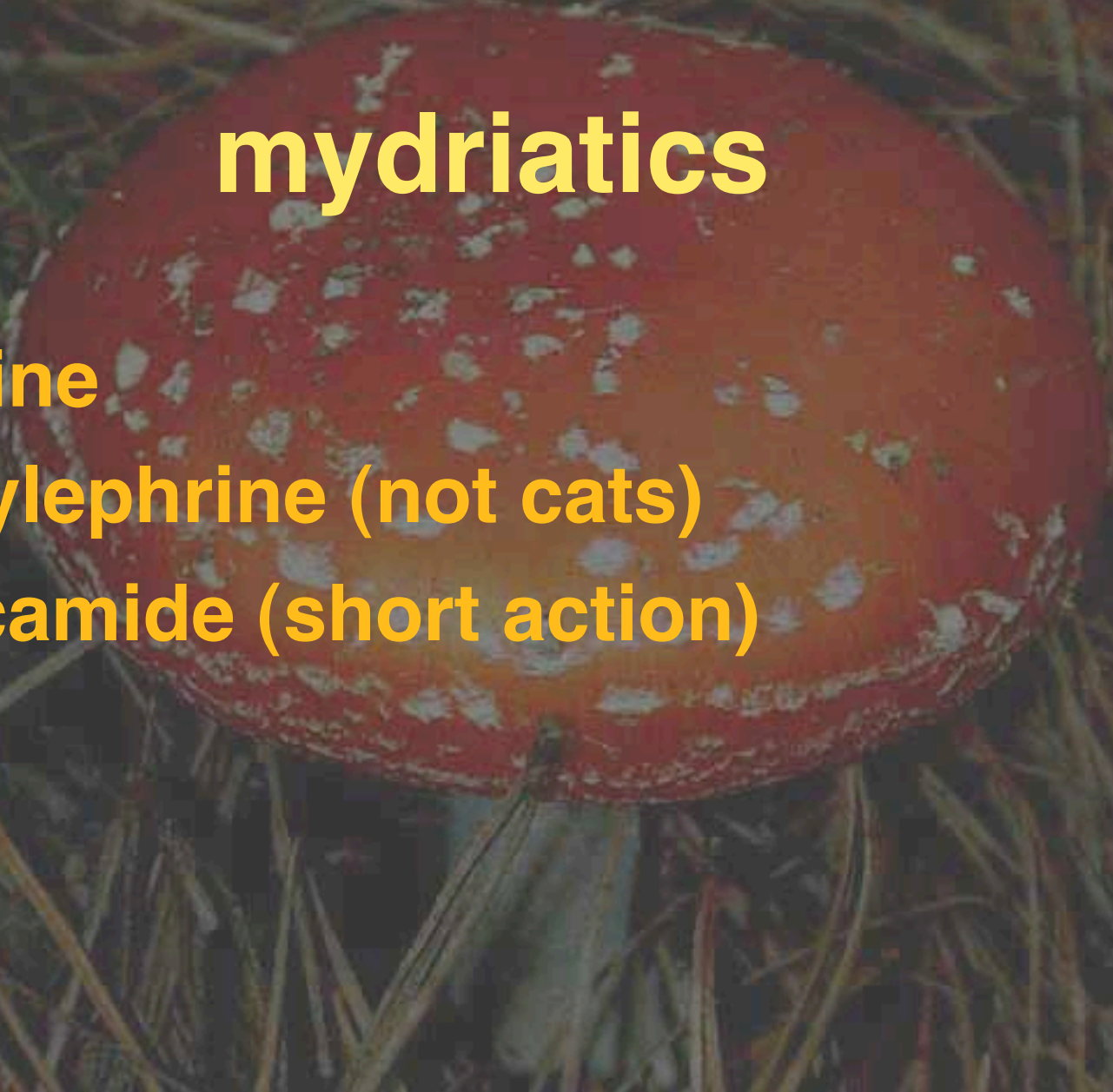
A red mushroom with white spots, likely an Amanita muscaria, is the central focus of the image. It is growing in a field of dry, yellowish-brown grass. The mushroom's cap is bright red with numerous white, irregular spots. The stem is white and appears to have some fine lines or ridges. The background is a dense field of dry grass, creating a textured, natural setting. The overall lighting is soft, and the colors are somewhat muted, giving it a slightly vintage or artistic feel.

miotics

- pilocarpine
- (carbachol)
- (anticholinesterases)
- (opioids)

mydriatics

- atropine
- phenylephrine (not cats)
- tropicamide (short action)



local anaesthetics

- proxymetacaine
- amethocaine
- (lignocaine)



antibiotics

A large, red mushroom with white spots, resembling an Amanita muscaria, is the central focus of the image. It is set against a background of dry, brown grass. The word 'antibiotics' is written in yellow text across the top of the mushroom's cap.

- cloxacillin
- gentamicin
- framycetin
- fusidin
- oxytetracycline
- tobramycin

A red mushroom with white spots, likely an Amanita muscaria, is centered in the background. The mushroom has a bright red cap with numerous white, irregular spots. It is growing in a field of dry, yellowish-brown grass. The text is overlaid on the left side of the image.

uveitis

- antibiotic
- atropine
 - stops retinal adhesions
- anti-inflammatories

A red mushroom with white spots, likely an Amanita muscaria, is growing in a field of dry grass. The mushroom is the central focus of the image, with its bright red cap and white spots contrasting against the dry, brownish-yellow grass. The text 'glaucoma' is overlaid on the upper part of the mushroom cap.

glaucoma

- raised intraocular pressure
- will eventually damage retina / optic nerve – blindness
- relatively common in dogs

A red mushroom with white spots, likely an Amanita muscaria, is growing in a field of dry grass. The mushroom has a bright red cap with numerous white, irregular spots. The stem is thick and appears to have a white or light-colored base. The background is a dense field of dry, yellowish-brown grass.

causes

- **excess aqueous production**
 - **man (\pm Beagles?)**
- **reduced drainage**
 - **congenital**
 - **secondary**

cornea

*aqueous
humour*

lens

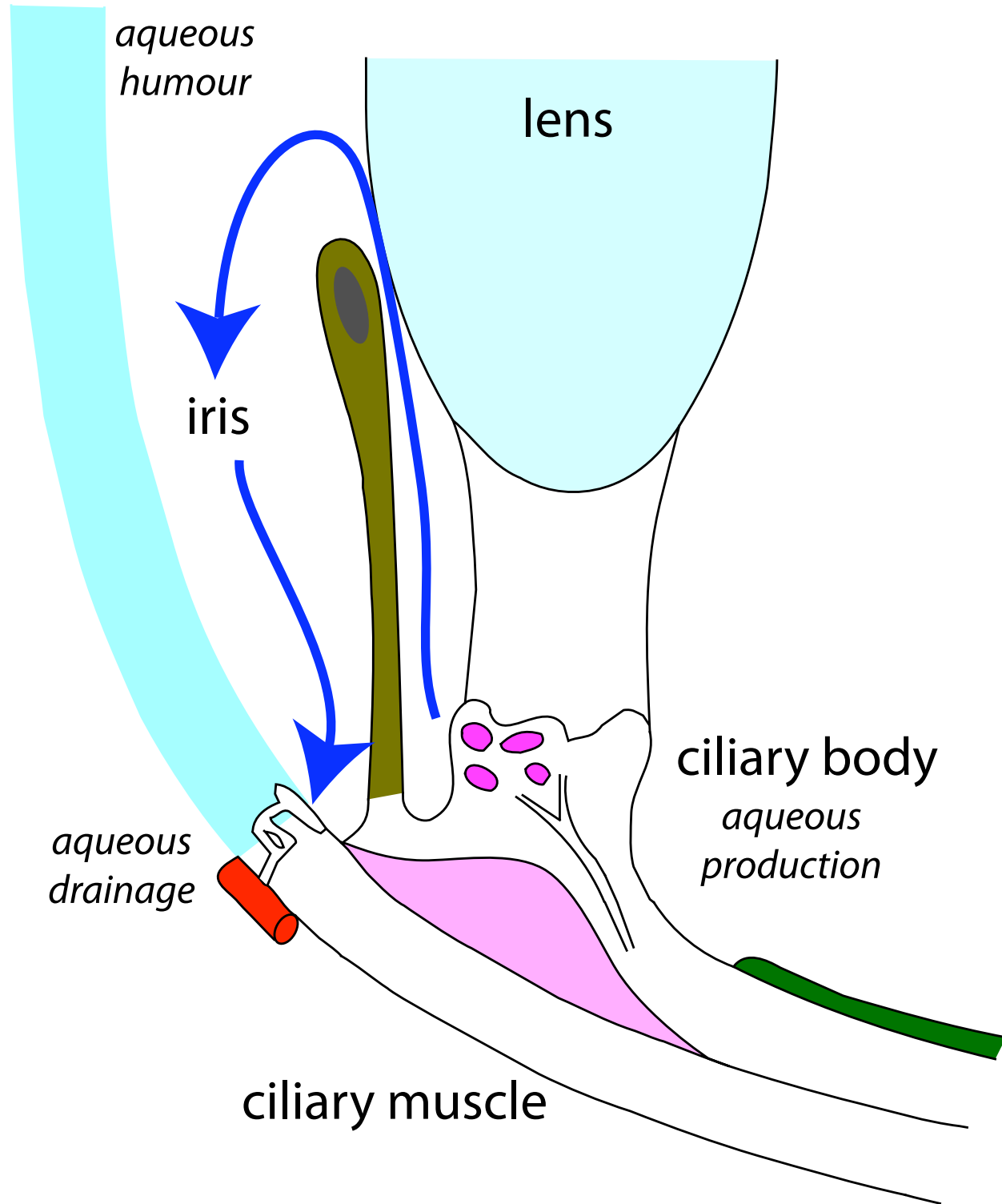
iris

ciliary body

*aqueous
production*

*aqueous
drainage*

ciliary muscle



A red mushroom with white spots, resembling a fly agaric, is growing in a field of dry grass. The mushroom has a bright red cap with numerous white, irregular spots. Its stem is thick and appears to have a white or light-colored base. The background is a dense field of dry, yellowish-brown grass.

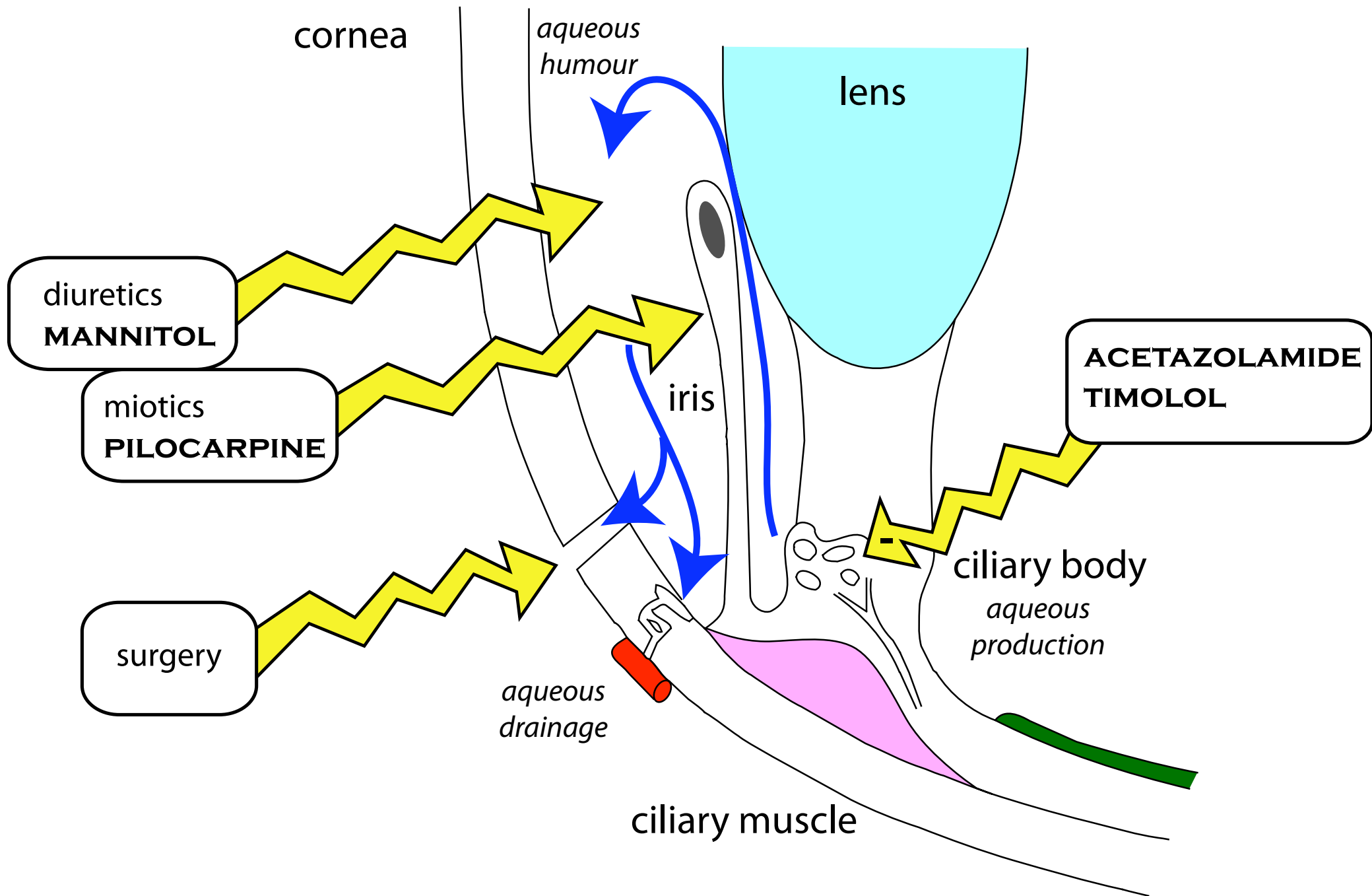
glaucoma

- **treatment strategies**
 - **reduce production of aqueous**
 - **increase drainage**

glaucoma

- diuretics
- miotics
- β blockers
- surgery





cornea

aqueous
humour

lens

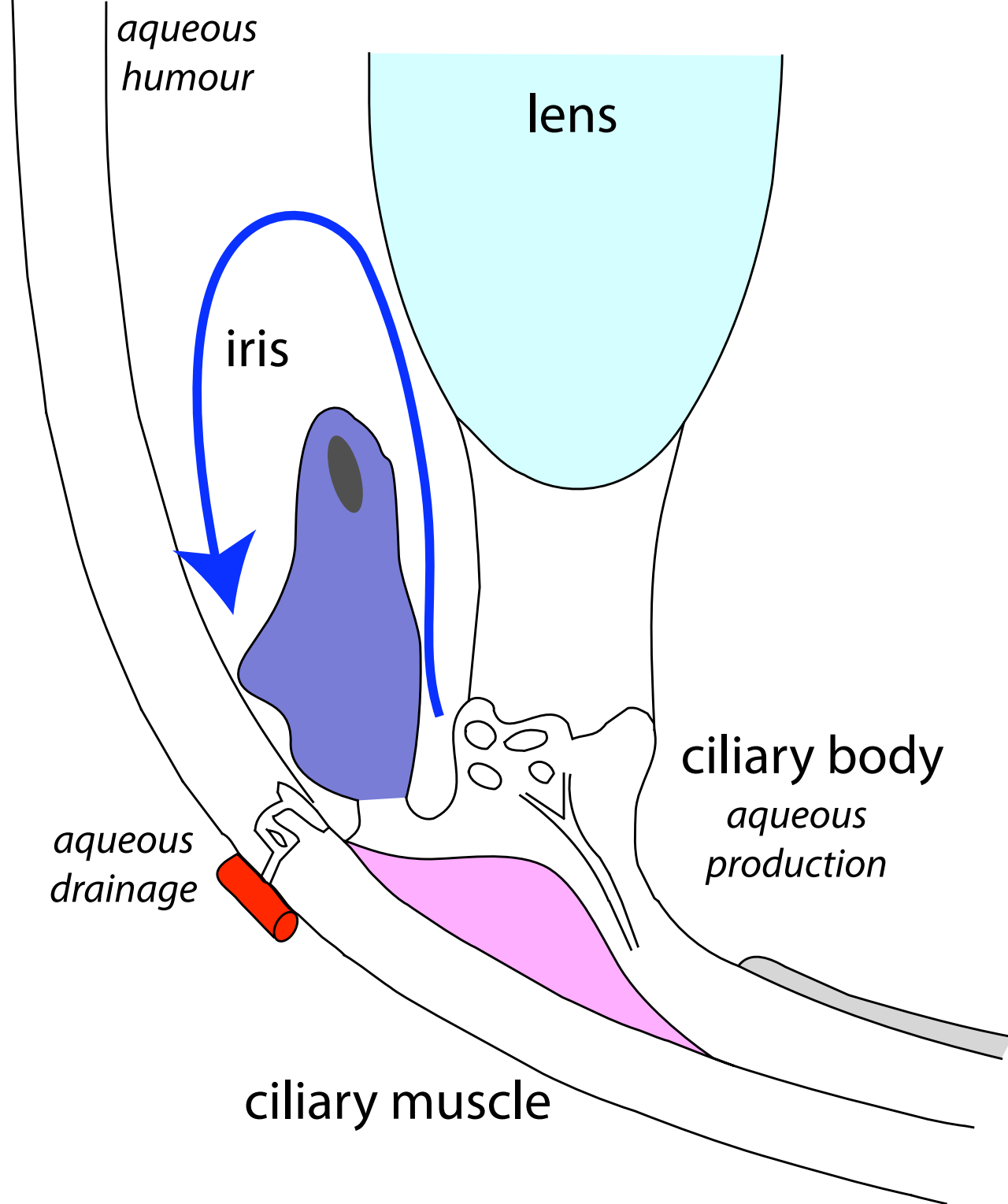
iris

ciliary body

aqueous
production

aqueous
drainage

ciliary muscle



A large, red mushroom with white spots, resembling a fly agaric, is the central focus of the image. It is growing in a field of dry, yellowish-brown grass. The mushroom's cap is convex and covered in numerous white, irregular spots. Its stem is thick and appears to have a white, fibrous texture. The background is a dense field of similar dry grass, creating a textured, natural setting.

in emergency

- **osmotic diuretics**
 - glycerine po
 - mannitol iv

keratoconjunctivitis sicca

- lack of tears
- usually immune mediated
- treatment
 - cyclosporin (immunosuppressant)
 - artificial tears



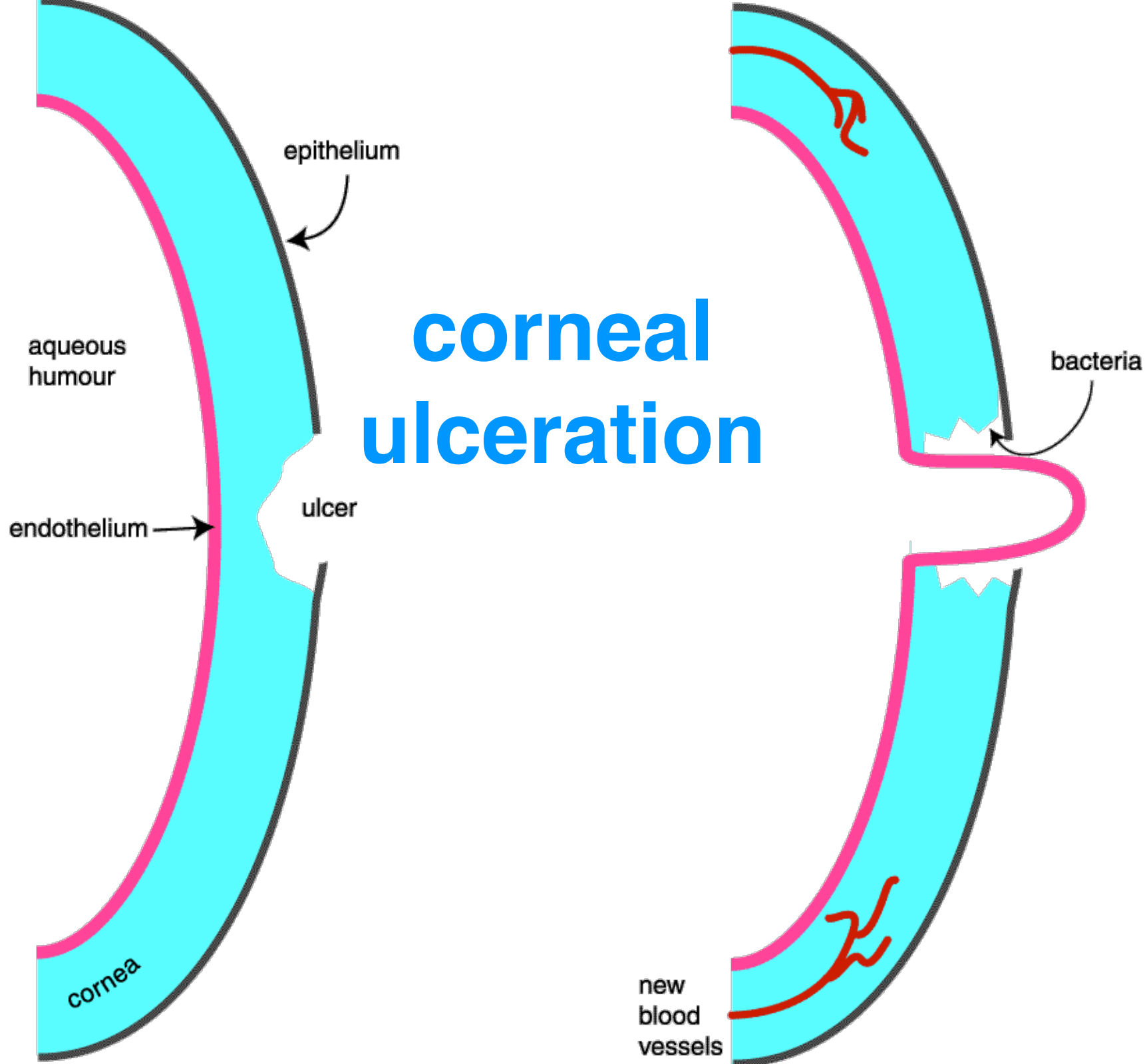
anti-inflammatory drugs

- **corticosteroids**
 - reduce inflammation
 - reduce healing
 - prevent vascularisation of cornea
- **non steroidal anti-inflammatory drugs**

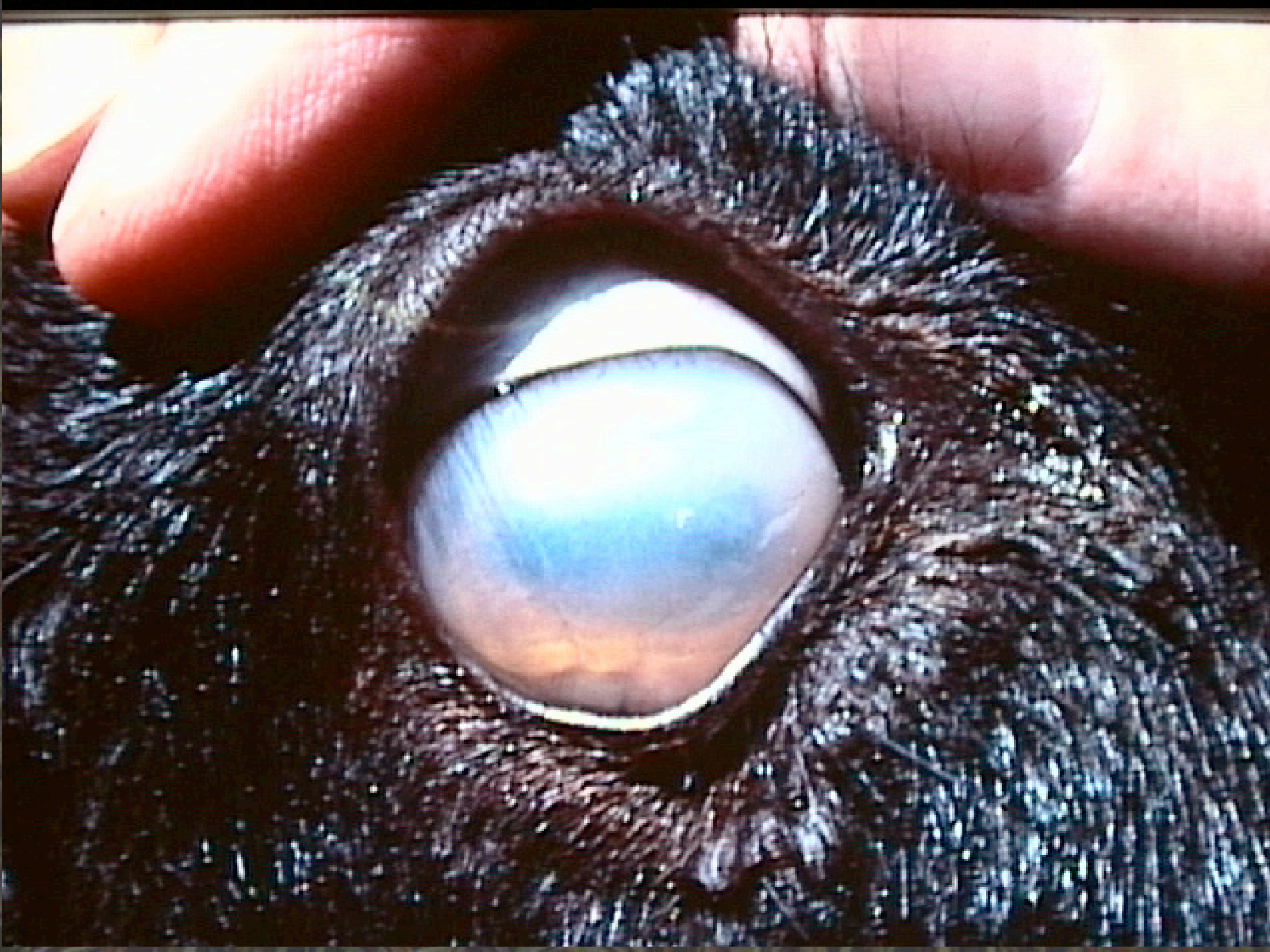
NSAIDs

- given systemically when steroids contra-indicated
- for analgesia













A red mushroom with white spots, likely an Amanita muscaria, is shown growing in a field of dry grass. The mushroom has a bright red cap with numerous white, irregular spots and a thick, white, fuzzy ring around the stem. The background is a dense field of dry, yellowish-brown grass.

caustics

- phenol
- silver nitrate
- ferric chloride
- cotton wool

A red mushroom with white spots, resembling a fly agaric, is centered in the background. The text is overlaid on this image.

administration

- **topical**
 - drops
 - ointment
 - do not use powders
- **subconjunctival injection**

drugs with ocular side effects



- corticosteroids, ecothiophate
 - cataracts
- atropine
 - cycloplegia
- chloroquine
 - retinal damage

What would you do?



A red mushroom with white spots, likely an Amanita muscaria, is the central focus of the image. It is growing in a field of dry, yellowish-brown grass. The mushroom's cap is bright red with numerous white, irregular spots. The stem is thick and white. The background is a dense field of similar dry grass, creating a textured, natural setting.

uveitis

- anti-inflammatories
- antibiotics?
- analgesics?

the eye

- **mydriatics, local anaesthetics and fluorescein are used to examine the eye**
- **antibiotics are instilled into the eye to treat infections**
- **local anaesthetics are useful for examination and removal of foreign bodies**
- **glaucoma is usually treated with miotics (pilocarpine, anticholinesterases)**
- **care required with steroids**