

Eye drops

EXCIPIENTS: May contain Benzalkonium chloride

- ▶ **Brolene (Propamidine)** (Sanofi)
Propamidine isetonate 1 mg per 1 ml Brolene 0.1% eye drops | 10 ml [P] £2.80 DT = £2.80
- ▶ **Golden Eye (propamidine)** (Cambridge Healthcare Supplies Ltd)
Propamidine isetonate 1 mg per 1 ml Golden Eye 0.1% drops | 10 ml [P] £3.62 DT = £2.80

3.2 Viral eye infection

3.2a Ophthalmic herpes simplex

ANTIVIRALS > NUCLEOSIDE ANALOGUES

Aciclovir

(Acyclovir)

INDICATIONS AND DOSE**Herpes simplex infection (local treatment)**

▶ TO THE EYE USING EYE OINTMENT

- ▶ Child: Apply 1 centimetre 5 times a day continue for at least 3 days after complete healing

- **INTERACTIONS** → Appendix 1: aciclovir

SIDE-EFFECTS

- ▶ **Common or very common** Eye inflammation · eye pain

PATIENT AND CARER ADVICE

Medicines for Children leaflet: Aciclovir eye ointment for herpes simplex infections

www.medicinesforchildren.org.uk/aciclovir-eye-ointment-herpes-simplex-infection-0

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

Eye ointment▶ **Zovirax** (GlaxoSmithKline UK Ltd)

Aciclovir 30 mg per 1 gram Zovirax 3% ophthalmic ointment | 4.5 gram [PoM] £9.34 DT = £9.34

4 Eye procedures

Mydriatics and cycloplegics

Overview

Antimuscarinics dilate the pupil and paralyse the ciliary muscle; they vary in potency and duration of action.

Short-acting, relatively weak mydriatics, such as tropicamide below 0.5% (action lasts for 4–6 hours), facilitate the examination of the fundus of the eye. Cyclopentolate hydrochloride 1% p. 695 (action up to 24 hours) or atropine sulfate p. 694 (action up to 7 days) are preferable for producing cycloplegia for refraction in young children; tropicamide may be preferred in neonates.

Phenylephrine hydrochloride p. 703 is used for mydriasis in diagnostic or therapeutic procedures; mydriasis occurs within 60–90 minutes and lasts up to 5–7 hours.

Mydriatics and cycloplegics are used in the treatment of anterior uveitis, usually as an adjunct to corticosteroids. Atropine sulfate is used in anterior uveitis mainly to prevent posterior synechiae and to relieve ciliary spasm; cyclopentolate hydrochloride or homatropine hydrobromide p. 695 (action up to 3 days) can also be used and may be preferred because they have a shorter duration of action.

ANTIMUSCARINICS

F 694

Tropicamide

INDICATIONS AND DOSE**Funduscopy**

▶ TO THE EYE

- ▶ Neonate: 0.5% eye drops to be applied 20 minutes before examination.

- ▶ Child: 0.5% eye drops to be applied 20 minutes before examination

- **INTERACTIONS** → Appendix 1: tropicamide

- **SIDE-EFFECTS** Eye erythema · eye irritation (on prolonged administration) · eye pain · headache · hypotension · nausea · syncope · vision blurred

- **PRESCRIBING AND DISPENSING INFORMATION** Although multi-dose tropicamide eye drops commonly contain preservatives, preservative-free unit dose vials may be available.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

Eye drops

EXCIPIENTS: May contain Benzalkonium chloride, edetic acid (edta)

▶ **Mydriacyl** (Alcon Eye Care Ltd)

Tropicamide 10 mg per 1 ml Mydriacyl 1% eye drops | 5 ml [PoM] £1.60

▶ **Tropicamide** (Bausch & Lomb UK Ltd)

Tropicamide 5 mg per 1 ml Minims tropicamide 0.5% eye drops 0.5ml unit dose | 20 unit dose [PoM] £11.18

Tropicamide 10 mg per 1 ml Minims tropicamide 1% eye drops 0.5ml unit dose | 20 unit dose [PoM] £11.31

ANTISEPTICS AND DISINFECTANTS > IODINE PRODUCTS

Povidone-iodine

INDICATIONS AND DOSE**Cutaneous peri-ocular and conjunctival antiseptics before ocular surgery**

▶ TO THE EYE

- ▶ Neonate: Apply, leave for 2 minutes, then irrigate thoroughly with sodium chloride 0.9%.

- ▶ Child: Apply, leave for 2 minutes, then irrigate thoroughly with sodium chloride 0.9%

- **CONTRA-INDICATIONS** Concomitant use of ocular antimicrobial drugs · concomitant use of ocular formulations containing mercury-based preservatives · preterm neonates

SIDE-EFFECTS

- ▶ **Rare or very rare** Eye erythema · punctate keratitis

- ▶ **Frequency not known** Cytotoxicity · eye discolouration · hypothyroidism (in neonates)

- **BREAST FEEDING** Avoid regular or excessive use.

- **PRESCRIBING AND DISPENSING INFORMATION** Although multi-dose povidone iodine eye drops commonly contain preservatives, preservative-free unit dose vials may be available.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: eye drops, eye lotion

Eye drops▶ **Povidone iodine** (Bausch & Lomb UK Ltd)

Povidone-iodine 50 mg per 1 ml Minims povidone iodine 5% eye drops 0.4ml unit dose | 20 unit dose [PoM] £16.00