### Alert

Prolonged ophthalmic use is not recommended due to risk of severe keratitis and corneal adverse effects. For short procedure use only.

### Indication

Local anaesthesia for eye examination [including RetCam3™] and procedures [laser] in newborn infants in conjunction with other analgesia methods.

### Action

Local anaesthetic.

### Drug Type

Ester-type local anaesthetic.

### Trade Name

Minims® Oxybuprocaine hydrochloride 0.4% w/v

### Presentation

Oxybuprocaine hydrochloride 0.4% single-use, preservative-free, eye drop, approximately 0.5 mL per minim.

### Dosage/Interval

One drop each eye as required 1–5 minutes prior to examination. Complete examination within 20 to 30 minutes of administration. Further drops may be needed to achieve a complete anaesthetic effect.

### Maximum daily dose

No information.

### Route

Topical instillation into the eyes.

### Preparation/Dilution

Not applicable.

### Administration

Apply pressure to the lacrimal sac during and for 60 seconds after instillation of eye drop to minimise systemic absorption. Wipe away excess medication.

### Monitoring

### Contraindications

Hypersensitivity to any of the components of the preparation. Eye infection.

### Precautions

The cornea may be damaged by prolonged or frequent application of anaesthetic eye drops. Prolonged use of topical ophthalmic local anaesthetics has been associated with severe keratitis and permanent corneal opacification and scarring with accompanying reduction of visual acuity or visual loss. Systemic toxicity typical of local anaesthetics could occur if sufficient amounts were absorbed systemically. Systemic absorption may be reduced by compressing the lacrimal sac at the medial canthus for a minute during and following the instillation of the drops.

### Drug Interactions

Metabolism may be inhibited by anticholinesterases. May competitively enhance the neuromuscular blocking action of suxamethonium.

### Adverse Reactions

Transient stinging or burning sensation. Limited safety data in infants. Inappropriate and frequent use might cause corneal ulcerations and perforations.

### Compatibility

No information.

### Incompatibility

No information.

### Stability

Discard immediately after use.

### Storage

Store in refrigerator at 2 °C to 8 °C. Do not freeze. Protect from light.

### Special Comments

Anaesthesia persists for 20 to 30 minutes with normal corneal sensitivity after 1 hour.

### Evidence summary

Refer to full version.

### References

Refer to fullversion.

---

**Authors Contribution**

Original author/s: Michael Hewson, Cathy Langdon

Evidence Review: David Osborn

Nursing Review: Eszter Jozsa

Pharmacy Review: Jing Xiao, Cindy Chen

Final content and editing review of the original: Ian Whyte

Electronic version: Cindy Chen, Ian Callander

Facilitator: Srinivas Bolisetty

---

*Neo*natal Medicines Formulary Consensus Group  |  Oxybuprocaine  |  Page 1 of 1

This is a printed copy. Refer to the electronic NMF system for the most up to date version.