

Oxybuprocaine (benoxinate)

Newborn Use Only

2018

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.

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