Newborn Use Only

Alart	Drolongod anthhalmic use is not recommended due to visit of equate light the end of equations		
Alert	Prolonged ophthalmic use is not recommended due to risk of severe keratitis and corneal		
	adverse effects.		
Indiantian	Safety data is lacking and therefore use the lowest concentration available.		
Indication	Local anaesthesia for eye examination (including RetCam) and procedures (laser) in		
	newborn infants in conjunction with other pharmacological and/or non-pharmacological		
A ation	analgesic methods.		
Action	Local anaesthetic.		
Drug Type	Ester-type local anaesthetic.		
Trade Name	Minims Amethocaine Eye Drops (Tetracaine (amethocaine) hydrochloride)		
Presentation	Eye drops 0.5% (5 mg/mL), 1% (10 mg/mL) approximately 0.5 mL. Excipients include		
Deserve / Internel	hydrochloric acid and purified water. No preservatives.		
Dosage / Interval	One drop each eye as required 1–5 minutes prior to examination.		
	Further drops may be needed to achieve a complete anaesthetic effect.		
Maximum daily dose	No information.		
Route	Topical instillation into the eyes from the container or use a microdrop (5–7 microL) cannula.		
Preparation/Dilution	Eye drops (clear, colourless, sterile) 0.5% (5 mg/mL), 1% (10 mg/mL), approximately 0.5 mL.		
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.		
	Normal corneal sensitivity can be expected after approximately 1 hour.		
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 of tetracaine (amethocaine) 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 with prolongation of the effects of		
	tetracaine (amethocaine).		
	May competitively enhance the neuromuscular blocking action of suxamethonium.		
Adverse Reactions	Local burning and stinging sensation.		
	Blurred vision, keratitis, hyperaemia, lacrimation and allergic conjunctivitis.		
	Systemic (if systemic absorption occurs) – Rare. Apnoea, cardiac arrest, ventricular		
	arrhythmias, irritability and excitation.		
	Prolonged ophthalmic use may lead to severe keratitis and corneal adverse effects. <sup>10</sup> For		
Commentibility	decontamination after eye exposure, irrigate eyes with sodium chloride 0.9%.		
Compatibility	Cyclopentolate, phenylephrine, tropicamide		
Incompatibility	No information.		
Stability	Discard immediately after use.		
Storage	Store at 2°C to 8°C. (Refrigerate. Do not freeze.) Protect from light. Each Minims unit should be discarded after a single use.		
Special Comments	Not approved for use in preterm infants by FDA (Food and Drug Administration of USA) in		
Special comments	view of the immaturity of the enzyme system that metabolises the ester type of local		
	anaesthetic. <sup>11</sup> The American Academy of Ophthalmology in January 2013 suggested the		
	use of proparacaine to assess premature infants. <sup>12</sup> Proparacaine is not registered in		
	Australia. Consensus among Australian ophthalmologists during the development of this		
	formulary was to continue to use tetracaine(amethocaine) as no reported adverse effects		
	in neonates in Australia.		
Evidence summary	Refer to full version.		
Lenuence summary			

References	Refer to full versior	۱.	
Original version Date: 13/03/2018		Author: NMF Consensus Group	
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