



GUIDELINE

Anaesthesia - Topical

Scope (Staff):	All Emergency Department Clinicians
Scope (Area):	Emergency Department

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<http://kidshealthwa.com/about/disclaimer/>

Anaesthesia - Topical

Description
ALA (Laceraïne): Sterile wound anaesthetic: 5 ml vial <ul style="list-style-type: none">• Adrenaline 0.1%w/v (1:1000 or 1 mg/ml)• Lignocaine HCL 4% M/V (40 mg/mL)• Tetracaine (Amethocaine) 0.5% (5mg/mL)
<ul style="list-style-type: none">• Onset: 20-30 minutes• Duration: 30-60 minutes
Indications
<ul style="list-style-type: none">• Topical use on broken skin• Local anaesthesia for wound management (cleaning, closure)• Haemostasis
Contraindications
<ul style="list-style-type: none">• Do not use on digits, pinnae, tip of nose, penis or other end arterial areas• Not for dental use or where entry into major vessels may occur• Not meant for use on intact skin - consider EMLA®• Do not apply to mucous membranes• Do not use on wounds > 7 cm, bites, contaminated or complex wounds, burns, extensive abrasions• Do not use in patients with hypersensitivity to any local anaesthetic
Adverse Reactions

- Systemic toxicity is rare and invokes mainly CNS (usually first) and CVS: restlessness, dizziness, tinnitus, nausea and vomiting, tremors, convulsions, later depression.
- Numbness of the tongue and perioral region may be an indicator of early systemic toxicity.
- Cardiac effects are myocardial depression and vasodilation.

Dosage / Preparation

- Use a syringe: Draw up 0.1 mL/kg (maximum of 3mL) from the 5ml vial
 - 0.1mL/kg = 4mg/kg of lignocaine

Administration

- Clean wound removing debris and clotted blood
- Wearing gloves
 - Soak cotton wool ball/s with the ALA and apply to wound
 - Cover cotton balls and area around wound with Tegaderm™/Opsite
- Advise child/carer
 - May sting on first application
 - Not to interfere with site
- Leave for 20-30 minutes (maximum 60 minutes)
 - Test sensation prior to further treatment
 - Blanching at edges is usual
- Supplemental 1% lignocaine can be used intradermally as long as a **total lignocaine dose does not exceed 5mg/kg**
 - Maximum additional lignocaine dose 1mg/kg = 0.1mL/kg of 1% lignocaine

Tags


ALA, anaesthetic, laceraine, local

References

- National Institute of Clinical Studies. 2011 Emergency Care Acute Pain Management Manual. National Health and Medical Research Council, Canberra.

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