

## **Topical Local Anaesthesia**



### Comfort Kids Program 2017





# **Topical Local Anaesthesia (LA)**

- How does topical LA cream works
- Misconceptions
- Cautions
- Preparation
- Application
- Alternatives
- Dosage
- Documentation





## **Basic Principles**



**Topical anaesthesia – is a drug mixture(s) that provide a** *local* **anaesthetic effect** 

Topical anaesthesia effects the dermal pain receptors and nerve endings in the epidermis and dermis layers of the skin.

Only the area in which the drug is applied will become "numb" at a depth of 3-4 mm

Children and adults report feeling: **pressure** e.g. when the cannula is inserted **movement** e.g. vein rolls **sensations** e.g. tapping or palpating the skin **warmth or itchiness** (where drug applied)



2009 WebMD, LLC.

# Amethocaine 4% = AnGel



- Amethocaine is an ester type local anaesthetic.
- It has high lipid solubility and high affinity for neural tissue.
- A high protein binding capacity (76%) maintains the drug at the receptor site with formation of a long-lasting depot in the stratum corneum and clearance by esterases in the skin and bloodstream.
- It inhibits the initiation and transmission of nerve impulses by stabilising the neuronal membrane (by blocking sodium ion influx across the axon). Neuronal conduction is first blocked in the autonomic, then in sensory and finally in motor nerve fibres.





### Lignocaine 2.5% / Prilocaine 2.5% Emla



- Lidocaine and prilocaine are **amide-type** local anaesthetic agents
- EMLA Cream provides dermal analgesia by the release of lidocaine and prilocaine from the cream into the epidermal and dermal layers of the skin and by the accumulation of lignocaine and prilocaine in the vicinity of dermal pain receptors and nerve endings
- Both lidocaine and prilocaine stabilize neuronal membranes by inhibiting the ionic fluxes required for the initiation and conduction of impulses, thereby effecting local anaesthetic action.





## Misconceptions



- Topical medication can completely numb all of the nerves
  - Nerves located in the mid to deeper layers of the skin are not effected by topical anaesthetic drugs
- The child won't feel anything or its pain free is misleading
- Shorter application times are equally effective
  - Research shows ≤ 30-45 min is not enough time for blood sampling or injections
  - Depends on agent & procedure



## **Misconceptions**



- Emla cream causes vasoconstriction
- Vasoconstriction may occur but it also can be caused by illness, dehydration & anxiety
- AnGel causes a rash this is an allergic response
- Mild transient erythema (redness) & itching due to the vasodilatory effect & may persist for hours





## Caution

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- Family & Patient keep away
  - eyes causes irritation
  - the mouth to prevent ingestion
- Health care professionals
  - apply with gloves
  - prevent accidental absorption or contact with eyes





## Why is topical LA not used?



- Perceived short duration of procedure
- Perceived insignificance of pain/procedure
- Perceived alteration to vascular accessibility
- Time required for cream to work



## **Preparation – Child & Parent**

- Age specific explanation EPT
- Describe the type of drug



- For all patients use the name "AnGel" or "Emla" cream
- For parent & teenagers more information is OK
  - Explain local anaesthetic drug
- Consider what you would you tell a child How it will look & feel ?





### **Preparation Tips**





### How it looks & feels...

- The cream on your skin helps to make your skin feel numb. Numb means that you can't fell that part of your skin as much or at all
- Angel or Emla Cream works by " numbing the top of the skin" like an icy pole numbs the top of your tongue
- Angel or Emla is placed on your hands or arms or \_\_\_\_( procedure site)
- Other kids tell us " the numbing cream makes it more comfortable when you have the \_\_\_\_\_"(procedure)
- some kids say it feels squishy
- we use a clear band aid to keep the cream in place
- We will let you know when it is time to take the band aid off
- You can help by \_\_\_\_\_\_ & you can help take if off
- We will then see how your skin feels
- Other?





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Topical anaesthetic The cream on your skin helps to make your skin feel numb. Numb means that you can't cream feel that part of your skin as much or not at all.

### Child friendly explanations for medical procedures

Procedures	
Anaesthetic	Medicine we give you through the straw in your hand or with a mask that makes you go to sleep so the doctor can ( <i>name procedure</i> ). You will not feel anything. When it is finished you will wake up.
Blood test	A tube that goes under the skin to take a small amount of blood. Explain reason for blood test. It tells us information about how to make you better.
Fasting	You cannot eat or drink anything. Explain reason why in developmentally appropriate terms.
Flush IVC	Water goes into the straw with the syringe to make sure it is working.
Fracture	Broken bone.
Fracture reduction	Putting the broken bone back in the right spot so that it can get better.
Infusion	Medicine that takes a bit of time to go through the straw and into your body.
Injection	Medicine that we put into your body with a small needle.
Lumbar Puncture	A needle that goes into your back to take a small amount of fluid. Describe positioning during lumbar puncture. Explanation of cerebrospinal fluid and the purpose of the test depends on the age of the child and anxiety level.
Magnetic resonance	Takes a picture of the inside of you. Describe what the child will see, sounds they will bear, how equipment will move, what the child's role is

### ACIEM doi: 10.1111/j.1742-6723.2012.01611.x Emergency Medicine Australasia (2012) 24, 641-646 PAEDIATRIC EMERGENCY MEDICINE Practical communication guide for paediatric procedures Amanda Stock,<sup>1,2</sup> Amber Hill<sup>1</sup> and Franz E Babl<sup>1,2,3</sup> <sup>1</sup>Emergency Department, Royal Children's Hospital, <sup>2</sup>Murdoch Children's Research Institute, and <sup>3</sup>Department of Paediatrics, The University of Melbourne, Melbourne, Victoria, Australia Abstract Children undergo many diagnostic and therapeutic procedures in the ED. Although emergency staff can often intervene to reduce physical pain through topical anaesthesia, analgesia and sedation, much procedural distress can be addressed by better preparing patients and families for the procedures. A key to guiding children through procedures is the use of age-appropriate and non-threatening language by all clinicians involved. We present a practical language guide for procedures and equipment for use by clinicians in the ED before, during and after procedures. The language tables might be most usefully placed in the procedure rooms for easy reference or incorporated into clinical practice guidelines. Key words: child, distraction, emergency department, language, procedure. The Children's





# **Application - vascular access**

Blood sampling or vascular access

### Apply to unbroken skin

- in a strip like fashion
- along the length of the vein
- 3-4cm long x 0.5mm wide
- allow the Proceduralist choice of insertion site

### Apply to multiple sites

- Explain to the parent & child
- So we can choose the best vein for the test

### Apply a dressing over the drug

- Tip write the application time on the dressing
- What dressing will you use ?









# **Application – Injections / Ports**



- Following local clinical protocols (where available)
  - Port access
  - Botox injections
  - Joint injections
  - IM & S/C injections
  - Insuflon insertion



- Tips
  - Check site(s) with team Oncology / Rheum / Dev Med
  - Apply to unbroken skin no > 50 cent coin to designated site(s)
  - Apply a dressing with application time



# **Alternatives Dressings & Devices**

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- **Dressing** allergies, aversions or anxiety to removal
  - LA + gauze square + cling wrap secure with paper tape
  - LA + gauze square + secure with crepe bandage
  - LA + gauze square + Glad Press n Seal (TBA)

### • Devices

- Buzzy Bee (ice & vibration)
- Coolsense









# Recommendations

### **RCH Topical Anaesthesia**

Action

Topical LA creams	Emla ® 2.5% Lignocaine & 2.5 % Prilocaine	AnGel <sup>®</sup> Amethocaine gel 4%
Recommended for	Those with allergies to AnGel ® > 3 months of age	Preferred drug of choice at RCH > 1 month of age
Recommended Application time	60-90 minutes 60-90 minutes venepuncture (children aged 1– 5 years) 90 minutes for venous cannulation (children aged 1–5 years) Remove @ 60-90 min	45-60 minutes 30 minutes venepuncture 45 minutes venous cannulation Remove @ 60 min
Effective for	2 hours* EMLA <sup>®</sup> is generally equivalent to AnGel <sup>®</sup> , but EMLA <sup>®</sup> application time is longer and effect shorter	1.0-5 hours with 60 min application * 0.5-3 hours with 30 min application *

\*How long Emla \* and AnGel \* are effective is dependent on: optimal application time, how it is applied and amount of drug applied to skin.

\* AnGel <sup>®</sup> deteriorates if not stored correctly. Store in the refrigerator and protect from light. Once removed from the refrigerator store at room temperature for no more than 30 days. Mark the date on the tube when it is first opened.

\* AnGel <sup>®</sup> may cause a mild transient erythema (redness) & itching due to the vasodilatory effect. This may disappear within 20 minutes after removal of the gel or persist for several hours. Emla <sup>®</sup> may also cause a transient, local blanching followed by a transient, local redness or erythema.

EMLA provides dermal analgesia by the release of lidocaine and prilocaine from the cream into the\_epidermal\_and dermal layers of the skin and by the accumulation of lignocaine and prilocaine in the vicinity of dermal pain receptors and nerve endings.

Both lidocaine and prilocaine stabilize neuronal membranes by inhibiting the ionic fluxes required for the initiation and conduction of impulses, thereby effecting local anaesthetic action. AGel <sup>®</sup> inhibits the initiation and transmission of nerve impulses by stabilising the neuronal membrane (by blocking sodium ion influx across the axon). Neuronal conduction is first blocked in the autonomic, then in sensory and finally in motor nerve fibres.





Topical anaesthesia	Amethocaine 4%	Lignocaine 2.5% &		
agent		Prilocaine 2.5%		
Description	Angel®	EMLA®		
Recommended for children	> 1 month (corrected age)	> 37 weeks (corrected age)		
RCH practice points	Preferred drug of choice at RCH due to a more rapid onset of action and extended duration of action (O'Brien, Taddio et al. 2005, Lander 2014).	Use on children with allergies to Angel®		
Application time	60 minutes	60 minutes		
Max time on skin	1 hour	1 hour		
	Remove topical anaesthesia @ 60 mins	Remove topical anaesthesia @ 60 mins		
Duration of anaesthesia	4-6 hours	2-4 hours		
Expected response	Mild transient erythema (redness) and itching are common due to the vasodilatory effects of Angel®	Emla <sup>®</sup> may also cause a transient local blanching followed by local redness or erythema.		
Adverse reactions	Severe erythema, oedema, itching or blistering should be treated by removing the gel immediately. Always record and report adverse events.	Severe erythema, oedema, itching or blistering should be treated by removing the gel immediately. Always record and report adverse events.		
Storage	Angel <sup>®</sup> deteriorates if not stored correctly. Refrigerate unopened tubes to maintain shelf life (up to 6 months).	Store below 25° C, do not freeze or refrigerate		

Do not froozo

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# AnGel & EMLA RCH PPM CPG



## **RCH Pharmacy AnGel**





AnGel is a topical local anaesthetic used prior to minor procedures such as IV cannulation and venepuncture.

#### 5g or 30g tubes of Amethocaine 4% in a white, opalescent gel base.

- How is Local AnGel applied?
- Do NOT use Local AnGel on
- Storage
- <u>Contact Us</u>
- Sales & Distribution
- Product Information
- Consumer Medicine Information

#### How is Local AnGel applied?



Select ONE or TWO sites over a visible vein under intact, healthy skin (eg. back of hand, cubial fossa).

pply 0.5g as a thick layer of gel (approximately the size of a \$2 coin).



#### Other Important Information

- Adequate anaesthesia is usually achieved after:
- · 30 minutes for venepuncture
- 45 minutes for venous cannulation
- naesthesia persists for 4-6 hours after the gel is removed.
- Mild transient erythema (redness) and itching are common due to the vasodilatory effect of Local AnGel and may persist for some hours.
- Severe erythema, oedema, itching or blistering should be treated by removing the gel immediately.
- Always record and report adverse events.

#### Do NOT use Local AnGel on

- Broken skin
- · Eyes
- · Ears
- Inflamed skin
- Mucous membranes
- · Premature infants and full term infants less than one month of age
- · Patients with known hypersensitivity to ester type local anaesthetics or hydroxybenzoates

#### Storage

- · Refrigerate unopened tubes to maintain shelf life (up to 6 months)
- Do not freeze
- · Upon opening, mark the tube with date of opening
- · After opening may be kept at room temperature
- · Discard 30 days after opening



Cover with an occlusive dressing. Record time of application.

Leave in place for 30-60 minutes (maximum).

Remove dressing and wipe off gel prior to commencing procedure.

#### DO NOT LEAVE ON FOR MORE THAN 60 MINUTES





### Improving the quality use of Local AnGel (Amethocaine 4% gel) for prevention of procedural pain in children undergoing venepuncture procedures

Christine Plover Pharmacy Department, The Royal Children's Hospital, Melbourne

#### Background

Venepuncture procedures are a common source of pain and anxiety for hospitalised children. Despite abundant evidence that local anaesthetic agents are useful in the prevention of procedural pain, children often undergo venepuncture without their benefits. This quality improvement study was designed to improve the use of topical Amethocaine 4% gel (Local AnGel) for venepuncture pain at The Royal Children's Hospital (RCH), a major paediatric teaching hospital in Melbourne, Australia

#### Aims

The primary aim of this study was to increase the use of Local AnGel for venepuncture procedures in the outpatient pathology department, in the hope of decreasing venepuncture pain in children, and reducing related fear and anxiety states.

The specific aims of the study were

· To assess the frequency of use of Local AnGel in venepuncture procedures at RCH;

· To investigate staff knowledge, attitudes and perceived barriers towards use of Local AnGel; To implement an awareness and education campaign on appropriate use of Local AnGel: and To assess the impact of these implemented awareness and educational strategies on the frequency

and appropriateness of use, and on the staff knowledge and attitudes towards use of Local AnGel.

### Method

The study targeted the pathology collection department of the hospital (the main site of outpatier venepuncture procedures), as well as the main referring outpatient clinics. A clinical audit was perfor to assess the frequency of topical anaesthetic use. Staff knowledge, attitudes and perceived barriers towards the use of topical anaesthetics were assessed with a focus group discussion and questionna A variety of promotional and educational interventions were then implemented, based on the outco of the initial investigations. The frequency of topical anaesthetic use, in addition to staff knowledge attitudes and perceived barriers towards its use, were reassessed following these interventions.

#### Interventions

Informational posters on the availability of Local AnGel were displayed in outpatients clinic waiting areas and pathology collection vaiting areas. The posters informed readers of the option of a local anaesthetic gel to prevent venepuncture pain An educational campaign was run with in-service education sessions. These education sessions were designed to inform the staff of the availability of Local AnGel and its appropriate use, including time and site of application. The sessions also included information on expected side effects Local AnGel 'baskets' were also created for clinics. These baskets were designed to encourage doctors to prescribe and/or apply Local AnGel at the time of ordering the

blood test.

- The baskets contained: Blank pathology request slips for ordering blood tests
- Local AnGel stickers for pathology request slips for doctors to record the time of application of Local AnGel (so that the pathology staff would be aware of AnGel

having been applied) Local AnGel stickers for children's clothing Occlusive dressings such as Tegaderm\*

 Product information sheet on Local AnGel previously produced by pharmacy department

 Instruction sheet from Orion (manufacturer) including application

instructions and diagrams

 Local AnGel tubes in use (tubes are stored in the refrigerator until opened)

#### Results

Of the 176 patients in the initial audit, 18 patients received Local AnGel (10.2%). In the post-intervention audit, total Local AnGel use was increased to 29 patients out of 139 (20.9%), an absolute improvement of 10.6% (Fisher exact probability: p = 0.0106, 95% CI 2.5% to 18.7%). Five of the patients in the initial audit nted for venepuncture with Local AnGel already in situ (2.8%); this was increased to 19 patients (13.7%) in the post-intervention audit, an absolute improvement of 10.9% (Fisher exact probability: p = 0.0004, 95% CI 4.6% to 17%). Increases were also seen with the proportion of venepuncture patients offered Local AnGel by pathology staff (10.9% absolute increase), and the proportion of patients having Local AnGel applied for an appropriate amount of time (22.5% absolute increase), but these changes failed to reach statistical significance (Fisher exact probability: p = 0.08 in both cases).

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All staff members participating in the pre-intervention questionnaires claimed to have used the gel previously, although some staff members did not know the correct site or time of application of the gel. Knowledge scores were improved in the repeat guestionnaire following education sessions on the appropriate use of Local AnGel

Table 1: Baseli

			Absolute difference		Relative		
Total patients receiving AnGel	10.2%	20.9%	1 10.6%	2.5%-18.7%	12.04	1.18-3.52	0.01
Offered AnGel by staff	9.1%	15.8%	16.7%	-0.7%-14.7%	11.74	0.95-3.19	0.0
Appropriate use (time)	70.6%	93.1%	122.5%	-1.0%46.1%	132	0.96-182	0.08
Arrived with AnGel in situ	2,8%	13.7%	110.8%	4.6%-17%	14.81	3.85-4.97	0.00

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	mediatal	manual effect	and effect	moundle effect	story iffict	Cristianerec
не		-	35		-	
Post	0		3	3		
Chage	0	0	0	00	0	
Q2a	Do you think the pai	n of venepuncture esper	ienced by a chid has a ne	gative impact on the ch	Ed having the venepunc	ure?
	Yes	No	Unanswered			
Pre	16	2	0			
Post	15	2	1			
Charge	- 4	0	1			
Q2b	Do you think the pai					
	Yes	No	Unanswered			
Pre	17	1	0			
Post	16	1	1			
Charge	-1	0	1			
926	Do you think the pai	n of venezorchure exper-	ianced by a chid has a m	pative impact on the st	off member taking the bi	Head?
	Yes	No	Unanswered			
Dee	17	1	0			
Direct.	14					
Chargen	10					
03	Here were broad all	and the Calibration A				
43	Harve you recard on to	Han Milder Beforen	the second second			
	res	NO	chanswered			
PTE	10	0	0			
Post	18	0	0			
Change	0	0	0			
Q4	Have you ever appli	ed Local AnGel on a child	to reduce venepuncture	pain?		
	Yes	No	Unanswered			
Pto	18	0	0			
Post	18	0	0			
Change	0	0	0			
Q5	How effective do yo					
	It doesn't work	Minimally effective	Midly effective	Quite effective	Very effective	Unanswered
Pre	0	1	5	8	4	0
Post	0	1	3	9	4	1
Change	0	0	-7	1	0	1
04	Here land should be	ral AnGel he applied for a	when heing used to prev	ent venerundure rain?		
	10 - 15 mins	15-30 mins	30-60 mins	60-50 mins	90 - 180 mins	Unaccurrent
200	0	2				0
ne	0	,	10		· ·	
POST	0	0	18	0	0	0
change	0		1	0	0	0
	Generally, where she	ould Local AnGel be appl	led for venepuncture?			
	Dorsum of foot	Back of hand	Wist	Forearm	Cubital Fossa	Unanswered
me	0	2	0	1	15	0
Post	0	0	0	0	17	1
Charge	0	-2	0	4	2	1
Q8	Is Local AnGel availa	ble in the area where you	a work?			
	Yes	No	I don't know	Unanswered		
Pre	18	0	0	0		
Post	18	0	0	0		
Charge	0	0	0	0		
09	When was the last ti	me you had training/edu	cation about the use of t	ocal AnGel?		_
	Newy	> 2 years and	1-7 10000 0000	6-12 miths acco	< 6 months ann	Unaccounted
24		1 1000	- c pours mpo	o a Dire aju		C. Alexandres
Pres 4			0			
Ourse	0				10	
utange	-5	-4	-1	0	10	0
019	Are you a member o					
	rathology	Div 1 hunling	Christ Numing	Medical	Other affed health	Unanswered
PTE	7	5	6	0	0	0
2004	6	3	8	0	0	1

#### Conclusions



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Is your child baving a needl

The use of local anaesthetic for prevention of venepuncture pain in paediatric patients is low, despite it being recommended as standard practice at the Royal Children's Hospital. Simple intervention measures that encouraged prescribers to offer Local AnGel at the time of ordering blood tests resulted n almost five times the number of patients presenting to pathology collection with AnGel in situ. This project achieved a more than 100% increase in the overall use of Local AnGel for preventing nepuncture pain in paediatric outpatients, and was an important quality improv for the hospital.

# **RCH Pharmacy AnGel Research**





Age	Dosage	Maximum dosage	
37 weeks (corrected age)	Use a syringe to measure 1 g = 1 mL	Maximum 1 g for up to 1 hour	
		No more than 1 dose in 24 hours	EN
Babies (at term) – 3 months of age	Apply 0.5–1 g of cream	Maximum 1 g for up to 1 hour	
		No more than 1 dose in 24 hours	
4-12 months	Estimate a 1 g dose by applying a thick layer of	Maximum 2 g for up to 4 hours	
	cream the size of a \$2 coin	No more than 2 doses (separated by at least 12 hours) in 24 hours.	
1-6 years	Estimate a 1 g dose by applying a thick layer of	Maximum 10 g for up to 4 hours	
	cream the size of a \$2 coin	No more than 2 doses (separated by at least 12 hours) in 24 hours.	
7-12 years	Estimate a 1 g dose by applying a thick layer of	Maximum 20 g for up to 4 hours	
	cream the size of a \$2 coin	No more than 2 doses (separated by at least 12 hours) in 24 hours.	
13-18 years	Estimate a 1 g dose by applying a thick layer of cream the size of a \$2 coin	The usual maximum dose is 60 g on intact skin for up to 5 hours.	

### **EMLA AMH**



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# **Documentation MAR**



### Inpatients

• Topical anaesthetic agents are able to be order as a Nurse Initiated Medication. This will be captured on the MAR. Please refer to maximum dosing in the Procedural Pain Management CPG.

### **Outpatients**

- Pathology Collectors managing inpatients in A6 require the RN to order topical anaesthesia as a Nurse Initiated Medication.
- Pathology Collectors are endorsed by the Director of Laboratory Services/ Haematologist in the application of AnGel, as requested by carers





# **Documentation MAR outpt**

AMETHOCAINE	Browse (F4)         Preference List (F5)         Eacility List (F6)         Clear Selected
	□ <u>O</u> nly Favourites (★)
<ul> <li>Medications Nurse Initiated Medica</li> <li>Imaging</li> <li>Labs</li> <li>Procedures</li> <li>Consults/Referrals</li> <li>Diet</li> <li>CLD</li> <li>Nursing</li> <li>Supplies</li> <li>Miscellaneous</li> <li>Diagnostic</li> </ul>	Nurse Initiated Medications       (Medications)       Medications         □       adrenaline 1:1,000 injection       hypromellose eye drops 0.5%       paractamol tablet       ✓         □       adrenaline respirator solution       ibuprofen suspension 20       paraffin (POLYVISC) eye ointment       ✓         1%       amethocaine (ANGEL) 4 %       ibuprofen tablet       polyvinyl alcohol - povidone (Refresh) minims eye drops       ✓         gel       carmellose minims       lignocaine - prilocaine       salbutamol inhaler 100 mcg/actuation       ✓         (CELLUFRESH) eye drops 0.5%       Ignocaine - prilocaine       sodium chloride 0.9 % flush       ✓       ✓         chlorhexidine 0.2% solution       MYLANTA P suspension       sodium chloride 0.9 %       ✓       ✓         gel 9%       48 mg/mL       injection (to use as eyewash)       ✓       ✓         glycerol suppository       paracetamol suspension 48       sucrose solution 33%       ✓
<ul> <li>Immunisations</li> <li>Order Panels</li> <li>Order Panels</li> </ul>	Imaging         MRI (Imaging)         MRI Brain       MRI Extremity Upper Limb         MRI Extremity Lower Limb
	Labs (Labs)          □ Coagulation Screen         □ C-Reactive Protein         □ Full Blood Count         □ Urea, Creatinine and         Electrolytes         □         □ Electrolytes         □         □         □
< >	Procedures         Derm (Procedures)         Destruction of Lesion       Skin / Nail Biopsy         Epidermal / Dermal Shaving





# **Documentation MAR inpt**

amethocaine	ł % gel	✓ <u>A</u> ccept	× <u>C</u> ancel
Route:	Topical 🔎 Topical		
Frequency:	When required O PRN		
	PRN reasons: V prior to procedure		
	PRN comment: Applied to back of hand right and left		
	For: Doses O Hours O Days		
	Starting: 9/05/2016 📋 Today Tomorrow At: 17:31 🕘 Show Additional Options		
	Starting: Today 17:31 Until Discontinued		
	(i) There are no scheduled times based on the current order parameters.		
Admin. Inst.: Prod. Admin. Inst.:	Apply 60-90 min before procedure. (none)		
Priority:	Routine 🔎 Routine		
Additional Ord	er Details		
• Next Require	d	✓ <u>A</u> ccept	× <u>C</u> ancel
	The Children's Excellence in clinical care,	Ne Royal	Murdoch Childrens Research Institute



MELBOURNE

# **Documentation MAR inpt**

lignocaine-prilocaine (EMLA) cream	✓ <u>A</u> ccept <mark>× C</mark> ancel
Reference 1. Australian Medicines Handbook - Children's Dosing Companion 2. RCH Pharmacy Medicines Information Links:	
Route: Topical 🔎 Topical	
Frequency:       When required       Once       PRN         PRN reasons:       Image: prior to procedure       PRN comment:       Applied to left cubital fossa         For:       Image: Doses       Hours       Days         Starting:       9/05/2016       Image: Today       Tomorrow         At:       17:29       Image: Show Additional Options         Starting:       Today       Tomorrow       At:         Image: Starting:       Today       Tomorrow       At:	
(i) There are no scheduled times based on the current order parameters.	
Admin. Inst.: <u>Apply 45-60 min before procedure.</u> Prod. Admin. Apply at least 60 minutes prior to procedure. Inst.:	
Priority: Routine 🔎 Routine	
Additional Order Details	
<u>N</u> ext Required	✓ <u>A</u> ccept X <u>C</u> ancel
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## Resources



- RCH Medication procedure
- Procedural Pain Management CPG
- Comfort Kids Website
- Communicating procedures to children CPG
- Pharmacy Local AnGel
  - <u>http://www.rch.org.au/pharmacy/business\_development/Local\_AnGel/</u>
  - <u>http://www.rch.org.au/pharmacy/research/Improving\_the\_quality\_use\_of\_Local\_AnGel\_Amethocaine\_4\_gel\_for\_prevention\_of\_procedural\_pain\_in\_children\_undergoing\_venepuncture\_procedures/</u>

