

# AWAKE TRACHEAL INTUBATION - TOPICALISATION

**1. Dry secretions** – IV Atropine 10mcg/kg or IV Glycopyrrolate 4mcg/kg  
(can take 20mins to work)

## 2. Alkalise Lignocaine for Topicalisation recipe

Mix 30ml 2% Lignocaine + 2ml 8.4% Bicarb in a 30ml syringe -> total 32ml 600mg  
Discard volume according to patient weight as per table below.

## 3. Discard excess alkalised lignocaine by weight – as per table

LIGNOCAINE TOPICALISATION max 9mg/kg				
Estimated Lean Weight	50kg	60Kg	70Kg	80kg
Discard excess ml lignocaine	12	8	3	0
ml of 2% alk lignocaine left in syringe for patient	20	24	29	32
Max 9mg/Kg	450mg	540mg	630mg	720mg

## 4. Prepare alliquots

Put 8mls in nebuliser & start neb (can take 20mins)

Put 1ml alk lignocaine in five 3-10ml syringes for standard recipe below

Put remaining spare alk lignocaine in 1ml alliquots in 3-10ml syringes

## 5. Standard 310mg Topicalisation Recipe

**1. Nebulise** (advise nose breathing), takes 15-20min – started in step 4 above.

8ml 2% alk lignocaine	160mg
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**2. Nose** – with slow deep sniff (select one nostril)

Cophenylcaine spray each cm along floor of one nostril <b>x6</b> (5mg/spray)	30mg
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MADJIC 1ml 2% alk lignocaine to floor of same nostril	20mg
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**3. Throat**

Cophenylcaine spray to pharyngeal wall <b>x2 right and left</b> (4 sprays)	20mg
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**4. Tongue base/vallecula/epiglottis/Larynx**

MADJIC 1ml 2% alk lignocaine <b>x3</b> over tongue base to larynx	60mg
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**5. Larynx via Ascope \*\* NB after Ascope thru ETT in procedure \*\***

1ml 2% alk lignocaine in syringe <b>OF AIR</b> via Ascope at cords/ trachea squirted briskly by assistant, target at centre of screen	20mg
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<b>TOTAL</b>	<b>310mg</b>
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## 6. Top ups and extras up to 9ml/kg lignocaine.

Extra topicalisation if needed:

1ml 2% spare alkalised lignocaine (~ 20mg) prepared as per table above

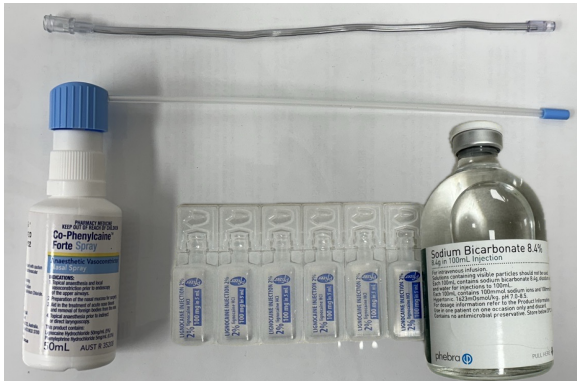
1 spray cophenylcaine 5mg – reduce spare lignocaine by 1ml per 4 squirts.

RECORD TOTAL DOSE LIGNOCAINE USED



# Topicalisation – side 2

Source cophenylcaine, nozzle, MADJIC, neb mask & make alkalinized lignocaine 32mls



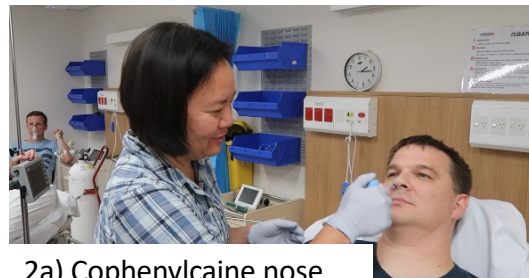
Alkalinised lignocaine prepared as per 60kg patient – spare 11mls in syringe can now be separated into 1ml doses



Topicalisation recipe steps in pictures



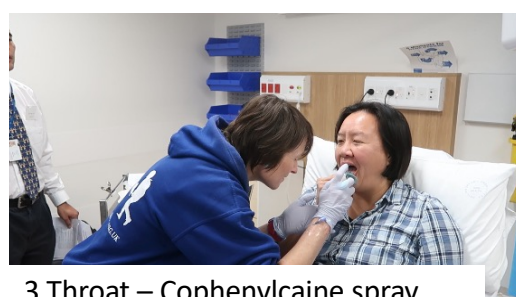
1 Neb



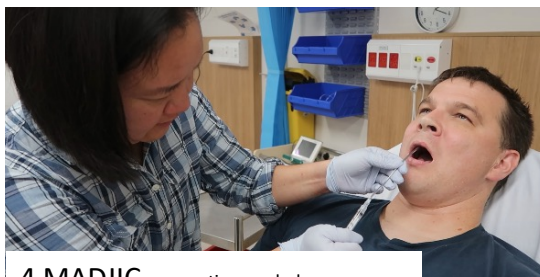
2a) Cophenylcaine nose



2b) MADJIC nose



3 Throat – Cophenylcaine spray



4 MADJIC – question mark shape  
(base tongue/vallecula/epiglottis/larynx)



5 Ascope spray (1ml + 5ml air)