

## LRI Children's Hospital

### Entonox UHL Childrens Hospital Guideline

Staff relevant to:	All Health Professionals who care for children and young people receiving Entonox.
Team approval date:	September 2019
Version:	2
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Written by:	Sarah Roberts
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#### **1. Introduction and Who Guideline applies to**

To provide Health Professionals guidance in the safe and effective care and management of a child or young person receiving Entonox.

This guideline applies to all Health Professionals who care for children and young people receiving Entonox.

This guideline should be used in conjunction with the;

- UHL Policy for the Administration of Entonox B25/2004
- UHL Consent Policy
- UHL Infection Control Policy
- Leicestershire Medicines Code

## 2. Procedure / Process for child receiving Entonox for procedural pain

No.	Action
1	<p>Identify the suitability of the child for Entonox therapy-</p> <p>Discuss suitability with the child, parents and medical staff. Give parents an information leaflet. Explain the procedure to the child and family; give an explanation of all aspects of Entonox administration-involve play specialists. Allow the child to handle the equipment before commencing the procedure. Assess ability to use mouthpiece effectively.</p> <p>Obtain verbal consent from the child's parents-document in child's notes.</p> <p><b>Contraindications</b></p> <ul style="list-style-type: none"> <li>• Lack of understanding/inability to use mouthpiece.</li> <li>• Pneumothorax</li> <li>• Middle ear surgery</li> <li>• Bowel obstruction/gross abdominal distension</li> <li>• Maxillo-facial injuries</li> <li>• Head injury</li> <li>• Decompression sickness</li> </ul>
2	Ensure Entonox is prescribed on the child's prescription chart (as required section) - Use blue pre-printed sticker. For once only use Entonox can be prescribed as a PGD on the front of the drug chart in RED.
3	Registered nurse to supervise the self-administration of Entonox (this nurse must be assessed as competent in the administration of Entonox). This nurse must only supervise the Entonox administration and NOT be involved in the painful procedure.
4	Ensure by checking the gauge that the cylinder contains sufficient Entonox gas to deliver the full therapy required (at least ¼ full).
5	Wash hands using soap and water +/- alcohol gel. Attach a single patient use mouth piece & antibacterial filter to the demand valve.
6	Instruct the child to begin Entonox inhalation. <b>DO NOT</b> commence the procedure for 1-2 minutes. Encourage the child to breathe the Entonox for the duration of the procedure.
7	Observe the child for nausea and vomiting. If these occur discontinue Entonox therapy.
8	On completion of the procedure, remove the handset from the child and ensure they remain lying down for 2-5 minutes.
9	Assess and document the effectiveness of the therapy and further care planned.
10	Remove the mouthpiece/filter and dispose. Clean the handset and tubing with Chlorclean or Clinell® wipes.
11	Order another Entonox cylinder from the porters if the cylinder is empty or the gauge is in the red zone.

### **3. Education and Training**

In order to administer Entonox nurses must have attended the Children's Hospital pain study day and undertaken an LCAT assessment.

#### **4. Monitoring Compliance**

<b>What will be measured to monitor compliance</b>	<b>How will compliance be monitored</b>	<b>Monitoring Lead</b>	<b>Frequency</b>	<b>Reporting arrangements</b>
100% of nurses will have appropriate Entonox competency.	LCAT assessment.	Pain Team	Once	Departmental clinical practice group
100% of prescriptions will be on blue pre-printed stickers	Audit	Pain Team	Yearly	Departmental clinical practice group

#### **5. Supporting References**

[https://www.boconline.co.uk/internet.lg.lg.gbr/en/images/entonox410\\_43539.pdf](https://www.boconline.co.uk/internet.lg.lg.gbr/en/images/entonox410_43539.pdf)

(BOC medical; Entonox- essential safety information)

#### **6. Key Words**

Entonox, Pain.

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<b>CONTACT AND REVIEW DETAILS</b>	
<b>Guideline Lead (Name and Title)</b> Sarah Roberts - Children's Pain Specialist Nurse	<b>Executive Lead</b> Chief Nurse
<b>Details of Changes made during review:</b> No changes	