

Assessment of Competence in the supervision of the self-administration of Entonox[®] by children

Introduction

To ensure the safe and effective use of Entonox, nurses will be assessed in both the theory and practice of supervising the self-administration of Entonox[®] by children. The time frame for completing the competency assessment is expected to be from 1-6 months.

Criteria for nursing staff who may supervise children during self-administration of Entonox[®]

- The nurse must be a registered nurse who is employed by Our Lady's Children's Hospital Crumlin.
- The nurse must have received practical and theoretical instruction in relation to the use of Entonox[®].
- The nurse must be supervised when acquiring the skill to prepare and administer Entonox[®].
- Each nurse must then assess if the skill is within her/his scope of practice.
- The nurse will undertake PILS training on a yearly basis.

Learning Outcomes

Following completion of the competency assessment in Entonox[®] administration, the nurse will demonstrate knowledge of the:

- Use of Entonox[®], including it's contraindications
- Safety implications of using Entonox[®]
- Complications of Entonox[®] and how these may be both detected and managed
- Role of the nurse during the self-administration of Entonox[®] by children
- In addition the nurse will demonstrate competence in the use of the Entonox[®] equipment and the supervision of children who are self-administering Entonox[®]

Competency assessment

To demonstrate practical competence and a sound knowledge base, the registered nurse is required to complete this workbook and competency assessment package. In addition you must complete the package if you:

- Have returned to practice after a break in practice of over one year (at the discretion of the CNS Acute Pain
- Any other updating at the discretion of the Clinical Nurse Specialist Acute Pain.

Advice on demonstrating your competence and knowledge may be obtained from:

- Clinical Nurse Specialist practitioner Pain, Advanced Nurse Practitioner Pain, CNM or CNF..

COMPETENCE ASSESSMENT STRATEGY

There are three parts to the assessment of competence in relation to the administration of Entonox[®].

Part 1 The nurse will have completed the BOC on line learning resource- compulsory module and child specific module, and receive practical instruction relating to the preparation and set of Entonox[®].

Part 2 The nurse will undergo assessment of competence in the administration of Entonox[®] as per this workbook. The grading system for this is outlined below

Part 3 . On successful completion of the assessment of competence and the workbook, please forward summary sheet to Clinical Nurse Facilitator, CNSp Pain or ANP Pain & a certificate of competence will be issued.

If the candidate is unsuccessful on 1st assessment of competence, two further attempts at reassessment may be undertaken. An action plan will be developed and recorded by the assessor.

Action Plan

The action plan must be documented and should detail the following:

- The area(s) of practice which require development as agreed by the nurse and the assessor
- Specific details of how these area(s) of practice will be addressed in the clinical area
- An agreed period of time for further supervised practice

Guide for Assessors

An assessor must be a registered nurse who is deemed competent in the administration of Entonox[®]. When undertaking the supervision of nurses administering Entonox[®] and for the final assessment of competence, it is recommended that the learning outcomes and the competence as outlined in the workbook are used as a guide.

ASSESSMENT GRADING SYSTEM	
Have limited knowledge, observed a demonstration of the skill but doubt my ability to perform the skill safely without guidance/direction	1
Could perform the skill safely under supervision.	2
Can utilise my knowledge and perform the skill safely independently.	3
Confident and competent of my knowledge and ability to perform the skill safely and efficiently.	4

Please locate the following documents, be familiar with the contents and tick when read:-

- Guidelines for the supervision of the self-administration of Entonox[®] by children.
- SOP set up of Entonox[®] equipment
- The Code of Professional Conduct for each Nurse and Midwife (2014). NMBI.
- Guidance to Nurses and Midwives on Medication Management (2007). An Bord Altranais.
- Scope of Nursing and Midwifery Practice Framework (2015). NMBI.
- The Current Hospital Formulary, Our Lady’s Children’s Hospital.
- Hospital Medication Policy (2016). Our Lady’s Hospital for Sick Children.

I confirm that I have located and read all of the above documents and have a comprehensive understanding of their contents.

Signed: _____ **Date:** _____ Name of nurse undertaking assessment

Start Date of competency assessment: _____

Finish Date of competency assessment (must be within 6 months of start date) _____

ENTONOX[®] Learning Package

PART 1

Completed BOC learning package and certificates supplied:

Assessor _____ **Date** _____

The nurse can now proceed to be assessed for competency in the administration of Entonox[®] under supervision of an experienced practitioner.

Competency Statement	Evaluation Strategy
Staff will be able to: demonstrate competence in the set up and safe use of Entonox [®] equipment and the supervision of children who are self-administering Entonox [®]	Verbalise understanding Satisfactory completion of competency assessment

Part 2 – Supervision of the administration of Entonox[®] to children

Observed & Supervised Practice	1. Set Up	2. Set up	3. Observed	1. Supervised	2. Supervised	3. Supervised
Signature & Date once for each assessment						
Date						
Preparing the child- Assessment	√	√	√	All competencies completed successfully Sign assessor	All competencies completed successfully Sign assessor	All competencies completed successfully Sign assessor
Explains why the child requires Entonox [®]						
Assess the nature of injury or procedure to be carried out and whether Entonox [®] will be suitable.						
Assess patient, to ensure no contraindications to use of Entonox [®] using risk assessment checklist.						
Assess child's level of understanding and ability to self-administer Entonox [®]						
Assess need for any concurrent local, topical or systemic analgesia						
Assess child's pain & administer appropriate pain relief if required.						
Plan	√	√	√			
Prepare all necessary equipment and environment ensuring all are complete and in working order						
Verbalises knowledge of how to order cylinders and disposable equipment.						
Entonox [®] cylinder in date and suitable to use.						
Explain procedure and use of Entonox [®] as analgesia to patient/family/ carers as appropriate.						
Ensure patient understands what to do and what to expect before procedure commences.						
Answer questions, provide reassurance Gain verbal consent/assent.						
Check Entonox [®] prescription as per medication policy.						

Observed & Supervised Practice	1 Set Up	2 Set Up	3 Observed	4. Supervised	5. Supervised	6. Supervised
Signature & Date once for each assessment						
Date						
Care of the child during the procedure Administration	√	√	√	Sign	Sign	Sign
Demonstrate to patient use of equipment.				Signature Assessor All competencies completed successfully	Signature Assessor All competencies completed successfully	Signature Assessor All competencies completed successfully
Allow patient to practice using equipment.						
Encourage patient to inhale and exhale Entonox® for 2-3 minutes before commencing procedure to ensure effectiveness.						
Encourage continued deep breathing throughout procedure.						
Monitor child's respiratory status						
Observe patient during and after the procedure to monitor for any side effects and take appropriate action in a timely and efficient manner.						
After the procedure	√	√	√			
Ensures cylinder is turned off, gas from tubing is discharged as per SOP						
Dispose of single patient use components.						
Clean equipment and return to storage area						
Evaluation	√	√	√			
Evaluate effectiveness of Entonox® Ensuring child or young person is free from side effects and comfortable.						
Age appropriate pain scoring system is documented and effectiveness of Entonox® documented in the health care record						

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Summary sheet

PART 3 – please tick as appropriate

The nurse's practice has been supervised on three occasions and is competent to supervise the self-administration of Entonox® by children for procedural pain.

The nurse's practice has been supervised on three occasions. The nurse is *not* yet Competent to support and supervise a patient with the self-administration of Entonox. Please see action plan.

Assessor

Date

I agree with the above assessment _____ Nurse

If candidate is **unsuccessful** prepare **Action Plan**.

Action Plan No. 1 (if unsuccessful at Assessment)

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It is advisable to keep a copy of summary sheet for one's own personal records/portfolio.