

This patient group direction (PGD) must only be used by registered health professionals who have been named and authorised by their organisation to practice under it. The most recent and in date final signed version of the PGD should be used.

Patient Group Direction (PGD)

For the administration or supply of

Entonox (Nitrous Oxide 50% and Oxygen 50%)

By registered health care professionals for

Pain

Throughout the Manx Care and those contracted by the Manx Care where appropriate within practice

PGD NUMBER 139

1. Change history

Version number	Change details	Date
1	Original PGD ratified	June 2021

Reference number: 139 Valid from: 06/2021 Review date: 06/2023

2. Medicines practice guideline 2: Patient group directions

Refer to the relevant sections of NICE medicines practice guideline 2: *Patient group directions* as stated in the blank template notes. For further information about PGD signatories, see the NHS and Manx Care <u>PGD website FAQs</u>

3. PGD development

Refer to the NICE PGD competency framework for people developing PGDs

Job Title & organisation	Name	Signature	Date
Author of the PGD			
Member of the PGD working group			

4. PGD authorisation

Refer to the <u>NICE PGD competency framework for people authorising PGDs</u>

Job Title	Name	Signature	Date
Medical Director			
Chief Pharmacist/ Pharmaceutical Adviser			
Senior Paramedic			
Director of Nursing			
GP Adviser			
Senior Microbiologist (if PGD contains antimicrobials)			

Reference number: 139 Valid from: 06/2021 Review date: 06/2023

Version: 1 Page 2 of 6

5. PGD adoption by the provider

Refer to the <u>NICE PGD competency framework for people authorising PGDs</u>

Job title and organisation	Signature	Date	Applicable or not applicable to area

6. Training and competency of registered healthcare professionals, employed or contracted by the Manx Care, GP practice or Hospice

Refer to the <u>NICE PGD competency framework for health professionals using PGDs</u>

	Requirements of registered Healthcare professionals working under the PGD
Qualifications and professional registration	 Registered healthcare professionals, working within or contracted by the Manx Care, GP practice or Hospice who are permitted staff groups outlined within the current PGD policy Pharmacists must be practising in Manx Care authorised premises i.e. contracted pharmacy premises
Initial training	 Knowledge of current guidelines and the administration of the drug specified in this PGD/BNF and of the inclusion and exclusion criteria Training which enables the practitioner to make a clinical assessment to establish the need for the medication covered by this PGD Local training in the use of PGD's
Competency	Staff will be assessed on their knowledge of drugs and clinical
assessment	assessment as part the competency framework for registered health professionals using PGD's
Ongoing training and competency	The registered health care professionals should make sure they are aware of any changes to the recommendations for this medication; it is the responsibility of the registered health care professionals to keep up to date with continuing professional development. PGD updates will be held every two years

Reference number: 139 Valid from: 06/2021 Review date: 06/2023

7. Clinical Conditions

Clinical condition or	Pain
situation to which this	
PGD applies	
Inclusion criteria	Pain
	Patient who is able to self-administer
Exclusion criteria	Patient who is unable to self-administer
	First 16 weeks of pregnancy
	Pheumothorax, bullous emphysema
	Abdominal distension, Bowel obstruction
	Middle ear surgery
	Eye surgery recent intra-ocular gas injection
	Decompression sickness or recent deep dive
	Head injury
	Heavily sedated patients and intoxicated patients
	Patients on bleomycin, nitrofurantoin, amiodarone, methotrexate
Cautions (including any	Patients with a history of B12 deficiency
relevant action to be	Sickle cell anaemia
taken)	Do not use near naked flame
	Do not use in confined space with poor ventilation
	Patient receiving narcotics
	Patients should not drive or operate machinery for 30 minutes after
	use
Arrangements for referral	Patient should be referred to a more experienced clinical
for medical advice	practitioner for further assessment
Action to be taken if	Patient should be referred to a more experienced clinical
patient excluded	practitioner for further assessment
Action to be taken if	A verbal explanation should be given to the patient on: the need
patient declines	for the medication and any possible effects or potential risks
treatment	which may occur as a result of refusing treatment
	This information must be documented in the patients' health
	records
	Any patient who declines care must have demonstrated capacity
	to do so
	Where appropriate care should be escalated

Reference number: 139 Valid from: 06/2021 Review date: 06/2023

8. Details of the medicine

Name, form and strength	Entonox (Nitrous Oxide 50% and Oxygen 50%)		
of medicine			
Legal category	Pharmacy (P)		
Indicate any off-label use	None		
(if relevant)			
Route/method of	Inhalation by mask or mouth piece		
administration			
Dose and frequency	One episode of care		
Quantity to be	To be administered using suitable apparatus, adjusted according		
administered and/or	to the patient's needs		
supplied			
Maximum or minimum	One episode of care		
treatment period			
Storage	Room temperature		
Adverse effects	Abdominal distension Myeloneuropathy		
	Addiction Nausea		
	Agranulocytosis Paraesthesia		
	Disorientation Sedation		
	Dizziness Subacute combined cord		
	Euphoric mood degeneration		
	Megaloblastic anaemia		
	Middle ear damage Vomiting		
Records to be kept	The administration of any medication given under a PGD must be		
	recorded within the patient's medical records		

9. Patient information

Verbal/Written information to be given to patient or carer	 Verbal information must be given to patients and or carers for all medication being administered under a PGD Where medication is being supplied under a PGD, written patient information leaflet must also be supplied
	A patient information leaflet is available on request
Follow-up advice to be	If symptoms do not improve or worsen or you become unwell, seek
given to patient or carer medical advice immediately	

10. Appendix A

References

- 1. British National Formulary (BNF) available online: https://bnf.nice.org.uk
- 2. Nursing and Midwifery (2018) "The code" available online: https://www.nmc.org.uk
- 3. Current Health Care Professions Council standards of practice
- 4. General Pharmaceutical Council standards
- 5. The General Optical Council
- 6. Electronic medicines compendium available online: https://www.medicines.org.uk

Reference number: 139 Valid from: 06/2021 Review date: 06/2023

11. Appendix B

Health professionals agreed to practice

- Each registered healthcare professional will hold their own Competency framework which will be signed and agreed by their mentor
- A mentor is defined within the Manx Care policy as any ward/area managers, sisters, senior nurses, GPs, pharmacists or senior paramedics who has completed the PGD training themselves

Reference number: 139 Valid from: 06/2021 Review date: 06/2023