



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

### Midazolam Buccal Liquid (Buccolam)

By registered health care professionals for

### Managing seizures

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

## PGD NUMBER 52

### 1. Change history

Version number	Change details	Date
1	Original PGD ratified	June 2021

## 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 [PGD website FAQs](#)

## 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 [NICE PGD competency framework for people authorising PGDs](#)

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

## 5. PGD adoption by the provider

Refer to the [NICE PGD competency framework for people authorising PGDs](#)

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 [NICE PGD competency framework for health professionals using PGDs](#)

	Requirements of registered Healthcare professionals working under the PGD
<b>Qualifications and professional registration</b>	<ul style="list-style-type: none"> <li>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</li> </ul>
<b>Initial training</b>	<ul style="list-style-type: none"> <li>Knowledge of current guidelines and the administration of the drug specified in this PGD/BNF and of the inclusion and exclusion criteria</li> <li>Training which enables the practitioner to make a clinical assessment to establish the need for the medication covered by this PGD</li> <li>Local training in the use of PGDs</li> </ul>
<b>Competency assessment</b>	Staff will be assessed on their knowledge of drugs and clinical assessment as part the competency framework for registered health professionals using PGDs
<b>Ongoing training and competency</b>	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

## 7. Clinical Conditions

<b>Clinical condition or situation to which this PGD applies</b>	Managing seizures
<b>Inclusion criteria</b>	<ul style="list-style-type: none"> <li>• Patient Having Seizures</li> <li>• Under the age of 18 years</li> <li>• Over 6 months of age</li> </ul>
<b>Exclusion criteria</b>	<ul style="list-style-type: none"> <li>• Over the age of 18 years</li> <li>• Patients under 6 months of age</li> <li>• Known hypersensitivity</li> <li>• Patients not fitting</li> </ul>
<b>Cautions (including any relevant action to be taken)</b>	<ul style="list-style-type: none"> <li>• Consider patients weight if low weight for age</li> <li>• Avoid prolonged use (and abrupt withdrawal thereafter)</li> <li>• Debilitated patients (reduce dose)</li> <li>• Elderly (reduce dose)</li> <li>• History of alcohol dependence or abuse</li> <li>• History of drug dependence or abuse</li> <li>• Myasthenia gravis</li> <li>• Personality disorder (within the fearful group—dependent, avoidant, obsessive-compulsive) may increase risk of dependence</li> <li>• Respiratory disease</li> <li>• Cardiac disease</li> <li>• Children (particularly if cardiovascular impairment)</li> <li>• Concentration of midazolam in children under 15kg not to exceed 1 mg/ml</li> <li>• Hypothermia</li> <li>• Hypovolaemia (risk of severe hypotension)</li> </ul>
<b>Arrangements for referral for medical advice</b>	Patient should be referred to a more experienced clinical practitioner for further assessment
<b>Action to be taken if patient excluded</b>	Patient should be referred to a more experienced clinical practitioner for further assessment
<b>Action to be taken if patient declines treatment</b>	<ul style="list-style-type: none"> <li>• A verbal explanation should be given to the patient on: the need for the medication and any possible effects or potential risks which may occur as a result of refusing treatment</li> <li>• This information must be documented in the patients' health records</li> <li>• Any patient who declines care must have demonstrated capacity to do so</li> <li>• Where appropriate care should be escalated</li> </ul>

## 8. Details of the medicine

<b>Name, form and strength of medicine</b>	Midazolam Buccal Liquid (Buccolam)
<b>Legal category</b>	Prescription only medicine (POM) Controlled Drug (CD) Schedule 3
<b>Indicate any <u>off-label use</u> (if relevant)</b>	None
<b>Route/method of administration</b>	Buccal administration
<b>Dose and frequency</b>	<ul style="list-style-type: none"> <li>• <b>Child 6–11 months:</b> 2.5 mg, then 2.5 mg after 10 minutes if required</li> <li>• <b>Child 1–4 years:</b> 5 mg, then 5 mg after 10 minutes if required</li> <li>• <b>Child 5–9 years:</b> 7.5 mg, then 7.5 mg after 10 minutes if required</li> <li>• <b>Child 10–17 years:</b> 10 mg, then 10 mg after 10 minutes if required</li> <li>• <b>Adult:</b> 10 mg, then 10 mg after 10 minutes if required</li> </ul>
<b>Quantity to be administered and/or supplied</b>	As per dose
<b>Maximum or minimum treatment period</b>	<ul style="list-style-type: none"> <li>• Child 6–11 months: 5mg</li> <li>• Child 1–4 years: 10mg</li> <li>• Child 5–9 years: 12mg</li> <li>• Child 10–17 years: 20mg</li> <li>• Adult: 20mg</li> </ul>
<b>Storage</b>	Room Temperature
<b>Adverse effects</b> <i>(continued)</i>	<ul style="list-style-type: none"> <li>• Alertness decreased</li> <li>• Anxiety</li> <li>• ataxia (more common in elderly)</li> <li>• confusion (more common in elderly)</li> <li>• depression</li> <li>• dizziness</li> <li>• drowsiness</li> <li>• dysarthria</li> <li>• fatigue</li> <li>• gastrointestinal disorder</li> <li>• respiratory depression (particularly with high dose and intravenous use—facilities for its treatment are essential)</li> <li>• headache</li> <li>• hypotension</li> <li>• mood altered</li> <li>• muscle weakness</li> <li>• Nausea</li> <li>• sleep disorders</li> <li>• suicidal ideation</li> <li>• tremor</li> <li>• vertigo</li> <li>• vision disorders</li> <li>• withdrawal syndrome</li> </ul>
<b>Records to be kept</b>	The administration of any medication given under a PGD must be recorded within the patient’s medical records

## 9. Patient information

<b>Verbal/Written information to be given to patient or carer</b>	<ul style="list-style-type: none"><li>• Verbal information must be given to patients and or carers for all medication being administered under a PGD</li><li>• Where medication is being supplied under a PGD, written patient information leaflet must also be supplied</li><li>• A patient information leaflet is available on request</li></ul>
<b>Follow-up advice to be given to patient or carer</b>	If symptoms do not improve or worsen or you become unwell, seek medical advice immediately

## 10. Appendix A

References
<ol style="list-style-type: none"><li>1. British National Formulary (BNF) available online: <a href="https://bnf.nice.org.uk">https://bnf.nice.org.uk</a></li><li>2. Nursing and Midwifery (2018) "The code" available online: <a href="https://www.nmc.org.uk">https://www.nmc.org.uk</a></li><li>3. Current Health Care Professions Council standards of practice</li><li>4. General Pharmaceutical Council standards</li><li>5. The General Optical Council</li><li>6. Electronic medicines compendium available online: <a href="https://www.medicines.org.uk">https://www.medicines.org.uk</a></li></ol>

## 11. Appendix B

Health professionals agreed to practice
<ul style="list-style-type: none"><li>• Each registered healthcare professional will hold their own Competency framework which will be signed and agreed by their mentor</li><li>• 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</li></ul>