

# Primary Palliative Care Guidelines

3rd Edition 2020



## DISCLAIMER & ACKNOWLEDGEMENTS

At the time of writing, these guidelines are indicative of primary palliative care practice under the guidance of Northland Palliative Care Medical Specialist Dr Warrick Jones and Clinical Resource Nurse Walter Nasarek. Much of the information contained within these guidelines is based on "The Palliative Care Handbook" (McLeod, Macfarlane 2019). We acknowledge the authors for granting us permission to use this information freely when developing these guidelines.

These guidelines are provided to guide practice alongside personal clinical judgement and formulary information. Using these guidelines does not diminish practitioners from the necessity to exercise their own clinical judgement. The Hospices of Northland and their staff do not accept any responsibility for the use of these guidelines in practice and encourage collaboration in the practice of palliative care for the benefit of patients and their families.

When using parts of this publication please give full acknowledgement of the source (Primary Palliative Care Guidelines – Hospices of Northland) and supply North Haven Hospice with a copy. Information regarding medication can be found in the normal formulary sources. Some medications are used for indications, by routes or in doses that are not approved by New Zealand licensing. This is common practice and validated internationally. For further information: '**Use of Unapproved Medicines and Unapproved Use of Medicines**'. (<http://medsafe.govt.nz/profs/RISS/unapp.asp>)

**Please note: This is a controlled document. The electronic version of this document is available online at [www.northhavenhospice.org.nz](http://www.northhavenhospice.org.nz).**

**The online document is the most up-to-date and in the case of conflict the electronic version prevails over any printed version.**

In the electronic version the Table of Contents and other parts of the Guidelines have automatic hyperlinks embedded. The reader can click on the hyperlinks and will be taken to the other sections in the guidelines or to Internet sites for additional information.

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# Primary Palliative Care Guidelines

3<sup>rd</sup> Edition 2020

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## Foreword to the Third Edition

Provision of Palliative Care is an integral part of health services. Primary Health Providers are key members of a patient's care team and as such are often the first point of contact for them. It is vital therefore that Primary providers have access to resources to assist them provide best practice assessment, care and support, so as to ensure patients and their whānau are able to "Live while they are dying".

This is now the second edition of the Primary (formerly Generalist) Palliative Care Guidelines for Northland. Our vision was to have up-to-date information readily available and easily understood. Knowledge should be shared rather than held by those in a specific speciality/discipline.

We wish to acknowledge our colleagues in both primary and specialist areas for their insightful feedback. We trust that the breadth of advice given in this document reflects this combined thought. There have been alterations to dose ranges to incorporate this broader spectrum of practice. Included also are additional guidelines on Referral Criteria, Advance Care Planning, Management at End of Life and Opioid Conversion.

We have endeavoured to maintain the validity of the information contained by benchmarking it against the latest Palliative Care Formulary. As we have used resources that have been freely distributed to us, we wish to extend an open hand to others using what we have put together. We would ask that if this document is altered or used in organisations outside of Northland, that you acknowledge the source of this information.

Hospice has been a part of health care within Northland for over 25 years. The growth and development of the hospice services Northland wide has expanded considerably. The utilisation of these services has increased with this development and hospice care is a more accepted service now than 25 years ago. Cancer is no longer the only diagnosis referred to hospices. Today hospices are caring for more people (of all ages) with life-limiting illnesses such as end stage organ failure (heart, kidney, lung), neurological disorders, accident victims etc., as well as those who have a malignant diagnosis.

Again, we would like to acknowledge the thorough and professional work of our Regional Nurse Educator/Advisor and our Resource Nurse in their reviewing and extension of these guidelines.

These guidelines are a work in progress and will be reviewed regularly to ensure supporting evidence is current. We welcome your feedback so that this can be incorporated into the next review.

I trust you will find these guidelines of great help to you as you journey with families as they seek to LIVE Every Moment while on the last journey of life.

He aha te mea nui o te ao?  
Maku a ki atu.  
He tangata  
He tangata  
He tangata

If you should ask me, what is the greatest thing in this world?  
I would answer, it is people,  
it is people,  
it is people.

(Anonymous, n.d.)

**Leonie Gallaher**  
General Manager  
North Haven Hospice  
**Whangarei**

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# Palliative Care

## What is palliative care?

Palliative care is a branch of health care that attends to only those with an advanced life-limiting illness. A life-limiting illness is one that has no cure. The focus of this area of care is the patient's and their family/whānau's total care i.e. physical/tinana, social/whānaungatanga, emotional/hinengaro, and spiritual/wairua wellbeing. Care is specific to each person and focuses on helping them to live the best that they can for as long as they are able. This care can be provided in home or in another place such as a hospice, hospital or long term residential facility. Specialist palliative care is provided by a skilled team of health professionals who have undergone specific training and/or accreditation in palliative care. In Northland these are the four [Hospices of Northland](#) and the Hospital Palliative Care Liaison Team (based at Whangarei Hospital).

The care that Hospices provide is **free to patients**. All Northland hospices have a contract with the Northland District Health Board to provide palliative services to the residents in Northland. This contract only covers about 60% of the cost of providing this service. The rest is funded by donations, grants, fundraising and bequests.

## What is the difference between specialist & primary palliative care?

Resource and Capability Framework for Integrated Adult Palliative Care Services in New Zealand defined two separate levels for the provision of palliative care. These are:

### **Primary palliative care**

*Care provided by all individuals and organisations that deliver palliative care as a component of their service, but whose substantive work is not the care of people who are dying. It is palliative care provided for those affected by a life-limiting or life-threatening condition as an integral part of standard clinical practice by any health care professional who is not part of a specialist palliative care team.*

*In the context of end-of-life care, a primary palliative care provider is the principal medical, nursing or allied health professional who undertakes an ongoing role in the care of patients with a life-limiting or life-threatening condition. A primary palliative care provider may have a broad health focus or be specialised in a particular field of medicine. This care is provided in the community by general practice teams, Māori health providers, allied health teams, district nurses and residential care staff, etc. It is provided in hospitals by general ward staff, as well as disease-specific teams (eg, oncology, respiratory, renal and cardiac teams).*

*Primary palliative care providers assess and refer patients to specialist palliative care services when the patient's needs exceed their services capability.*

*Quality care at the end of life is realised when strong networks exist between specialist palliative care providers, primary palliative care providers, support care providers and the community – working together to meet the needs of all people.*

### **Specialist palliative care**

*Palliative care provided by health professionals who have undergone specific training and/or accreditation in palliative care/medicine, working in the context of an expert interdisciplinary team of palliative care health professionals. Specialist palliative care may*

be provided by hospice- or hospital-based palliative care services where patients have access to at least medical and nursing palliative care specialists. Specialist palliative care will be provided through accredited services (or organisations) that work exclusively in palliative care and meet specific palliative care standards as they are developed nationally. Specialist palliative care practice builds on the palliative care provided by primary palliative care providers and reflects a higher level of expertise in complex symptom management, psychosocial support, grief and bereavement. Specialist palliative care provision works in two ways.

1. Directly – to provide direct management and support of patients, their families and whānau, where more complex palliative care need exceeds the resources of the primary palliative care provider. Specialist palliative care involvement with any patient and the family/whānau can be continuous or episodic depending on changing need. Complex need in this context is defined as a level of need that exceeds the resources of the primary palliative care team. This may be in any of the domains of care – physical, psychological, spiritual, etc.

2. Indirectly – to provide advice, support, education and training of other health professionals and volunteers to support the provision of primary palliative care.

Ministry of Health, 2012

## **What services do Hospices offer?**

Hospice prides itself on the range of services that it offers. These include:

- Community care, which includes a palliative care liaison team based at Whangarei Hospital
- Inpatient care - for respite (booked or acute), intensive symptom management and end of life care
- Shared care with other health professionals
- Counselling
- Social work
- Volunteer services
- Bereavement support
- Family/whānau support
- Chaplaincy support
- An extensive pool of equipment for homecare
- 24 hour telephone advice support
- Education for those providing palliative care in a primary health care setting
  - Syringe Driver Competency Training
  - Care Assistant Training
  - Fundamentals of Palliative Care (Hospice New Zealand)
  - Undergraduate Nursing Training and clinical placements
  - 5th year medical student training and clinical placements
  - One-off training for identified learning within an organisation

For more information on the Educational activities visit the North Haven Hospice website [www.northhavenhospice.org.nz](http://www.northhavenhospice.org.nz) or if the Mid North <https://www.hospicemn.org.nz/>

## **Referrals to Specialist Support**

### **When is referral appropriate?**

Specialist Palliative Care support for those with a diagnosis of an advanced/ progressive life-limiting illness may be required when:



- Symptoms relating to their illness are not able to be managed effectively
- The patient and their family/whānau require more intensive care of their holistic issues related to the illness – these could be spiritual, psychosocial, psychological
- Respite care is required to maintain care at home
- Occasionally in-patient care is required for the final stages of their disease
- Staff members require support to care effectively for those in their care.

### **How do I make a referral for palliative care support?**

In Northland there are four Hospice services providing specialist palliative care based in Whangarei, Kaipara, Kerikeri and Kaitiāia. In general, Hospice service is available to anyone with an illness for which there is no cure, is getting worse and is going to result in death. People can refer themselves, or a friend, family/whānau member, doctor or nurse may refer them to the service.

People have to be agreeable to having Hospice involved. Hospice staff always check that what is offered is acceptable and wanted. If you are not sure if referral is appropriate or what your local Hospice is able to offer, please contact them directly for further advice.

See [Appendix Six for Referral Guidelines](#) (page 67)

**[www.northhavenhospice.org.nz](http://www.northhavenhospice.org.nz)**

**North Haven Hospice** **09 437 3355**  
[admin@northhavenhospice.org.nz](mailto:admin@northhavenhospice.org.nz)

**Hospice Kaipara** **0800 395 467**  
[manager@hospicekaipara.org.nz](mailto:manager@hospicekaipara.org.nz)

**Hospice Mid Northland** **09 407 7799**  
[clinicalmanager@hospicemn.org.nz](mailto:clinicalmanager@hospicemn.org.nz)

**Far North Community Hospice** **09 408 0092**  
[admin@fnpacc.org.nz](mailto:admin@fnpacc.org.nz)

**Whangarei Hospital Palliative Care Liaison Team** **09 430 4100** – ask the operator to transfer you to the Palliative Care Liaison Team

At the time of referral it is helpful to include copies of important letters and copies of test results as well as discharge summaries from recent hospital admissions. This will help the hospice gain a clearer more in-depth picture of the current situation.

**Referrals can be made to all Northland Hospices by phone, or preferably by using the electronic referral form on Care Select (via Medtech and Concerto) or on PalCare.**

All of the Hospices of Northland document their patient notes on PalCare (a web-based patient management system) and, if you wish, you can be provided access to these notes to assist you in the patients' on-going care.

# Hospice New Zealand Standards for Palliative Care

The vision of Hospice New Zealand is that everyone with a life-limiting condition, their family and whānau, have access to the best possible palliative care. Our Standards address and reflect changes within palliative care and hospice and focus on the future. They support hospices to develop their services and maintain a continuous quality improvement approach to their service planning process.



*Moku ano enei rā, mo te rā ka hekeheke;  
he rākau ka hinga ki te mano wai!*

*Let these few days be for me, for the declining sun;  
a tree falling through many floods of waters*

Whilst these standards have been written for hospices in the first instance, our long-term vision is that the other providers of palliative care across many settings will adopt, or use, the Standards to enhance and support their care and services.

## **Standard 1 — Assessment of needs**

Initial and ongoing assessments are comprehensive and person-centred, and incorporate the person's physical, psychological, cultural, social and spiritual experiences, needs, preferences and priorities.

## **Standard 2 — Developing the care plan**

The team works in partnership with the person, their family, whānau and carers, to communicate, plan, set goals and make informed decisions about their care plan.

## **Standard 3 — Providing the care**

Care provided is empathetic, informed by evidence, and aligned with the person's values, culture, goals and preferences as documented in their care plan.

## **Standard 4 — Supporting and caring for the family, whānau and carers**

The person's family, whānau and carers' needs and preferences are assessed and they are provided with appropriate support, guidance and resources.

## **Standard 5 — Transitions within and between services**

Palliative care is accessible to all people who need it and it is integrated and coordinated across the person's experience to ensure seamless transition within and between services.

## **Standard 6 — Grief support and bereavement care**

The person at the centre of care, and their family, whānau and carers, have access to grief support and bereavement care services and they are provided with information about loss, grief and bereavement.

## **Standard 7 — Culture of the organisation**

The Hospice service has a philosophy, values, culture structure and environment that supports the delivery of person-centred palliative and end-of-life care.

## **Standard 8 — Quality improvement and research**

Hospice services are engaged in quality improvement and research to improve service provision and the development of palliative and end-of-life care.

## **Standard 9 — Staff qualifications and training**

Staff and volunteers are skilled, competent, qualified, and engaged in continuing professional development appropriate to their role and the capability of the Hospice service.

For more information on the Standards please contact Hospice NZ [www.hospice.org.nz](http://www.hospice.org.nz)

## Advance Care Planning

Advance Care Planning (ACP) is the process of thinking about, talking and planning for the future health care and the end of life care. This makes it much easier for families and healthcare providers to know what the person would want - particularly if they can no longer speak for themselves.

(<https://www.hqsc.govt.nz/our-programmes/advance-care-planning/>)

Advance Care Planning is more than one conversation. If started early (even before a diagnosis of a life-limiting illness is made) decisions are natural and an integrated part of a patient's care. Decisions around care at the end of life are able to be discussed openly and honestly without the burden of emotion so that care can be planned proactively.

### Care Conversations

Considerations could be given to the following conversation topics:

- **Legal requirements** e.g. wills, enduring powers of attorney (EPOA), guardianship for young children, financial affairs, organ donation
- **Choice for nutrition** – food, fluids, intravenous supplements, nasogastric or PEG tube feeding
- **CPR** – full CPR or just compression or just mouth to mouth or just defibrillation
- **Medical interventions** – e.g. antibiotics; diagnostic tests e.g. blood tests, x-rays/CAT scan, MRI scan, use of intravenous access/hydration e.g. Central lines, Portacaths; hospitalisation, ventilation/life support, surgery, chemotherapy
- **End of life care** – what is important to them – where they wish to die, with whom around – what don't they want - what denotes quality of life to the patient/their family/whānau
- **Allowing natural death** (AND) – this is a way of looking at the dying process as a natural part of life and allowing it to occur in such a way that maximises dignity and comfort above life-preserving or prolonging measures and care interventions. Allowing a natural death does not stop the use of medications to ease discomfort and distress
- **Funeral requirements** – planning with the person present to discuss things such as clothing to be worn, casket choice, venue choice, order of service, readings, hymns/music to be played, people who they would like to speak at their funeral, photos to be used etc.

### Documenting Care Decisions

When conversations have been held and options discussed or choices made, it is important that these are documented accurately either in the patient notes or in their own Advance Care Plan. An Advance Care Plan is a document which clearly outlines choices and requests for care which helps enduring powers of attorneys and health carers to advocate for patient choices. Patients should be encouraged to record an electronic version of their ACP via Whānau Tahi so that it can be viewed by all health providers (both primary and secondary sector).

For more information go to the Advance Care Planning website:

<https://www.hqsc.govt.nz/our-programmes/advance-care-planning/>

## Primary Palliative Care Guidelines

Managing symptoms for those with life-threatening conditions requires thorough assessment, appropriate intervention and attention to detail. Many physical symptoms that arise during this period have underlying holistic roots so listening to the “words behind the words” is important.

Anticipatory care and prescribing is fundamental to seamless care with minimal crisis incidents. Empowering patients and family/whānau members and other team members to know what to do in the “what if” scenarios ensures the patient can remain where they wish to be and are able to do so by managing their care in partnership with the professionals.

The following guidelines are written as an overview of how to manage the more common issues that occur within primary palliative care. They are not prescriptive and it is acknowledged that there are many guidelines within palliative care that may differ from these ones. These are for Northland and have been adapted to suit what is accepted practice in Northland under the guidance of Dr Warrick Jones, Northland Palliative Medicine Specialist and the Hospices of Northland Specialist Teams.

It is difficult to prioritise issues and therefore these have been placed within the holistic quadrant that they fall in and then alphabetical ordered for ease of access and to place equal importance on all issues.

It is acknowledged that there are many more issues (other than what is represented here) for those who are dying and those who are caring for them. For assistance with any areas of palliative care, please seek the specialist advice of your local specialist palliative care team.

[Hospices of Northland Contacts](#) (page 9).

These guidelines are formatted in the following way for ease of use:

▪ Definition of symptom (if not obvious)
▪ Symptoms
▪ Possible Causes
▪ Holistic considerations of symptom
▪ How to treat reversible causes
▪ How to palliative symptoms
▪ How to treat symptoms in pharmacological way

In addition a colour code has been added as a page border:

▪ Common conditions
▪ Emergencies
▪ End of Life Care

In Palliative Care the following assessment tools are regularly used to assess symptoms and the functional status of patients [Appendix Five](#) (page 63):

- [AKPS](#) (Australia-modified Karnofsky Performance Scale)
- [IPOS](#) (Integrated Palliative Outcome Scale)
- [SES](#) (Social / Emotional / Spiritual Assessment)

## Useful questions to ask yourself or the patient during assessments

- Would you be surprised if this patient dies within the next 12 months or on this admission to hospital?
- What is important for me to know how to care for you in the best possible way?
- If I could change one thing for you today - what would that be?
- Tell me how it is for you right now and how I can help.
- What do you need right now to make a difference?

## Managing Pain

### Guidelines for the General Management of Pain

#### What is pain?

Pain is subjective and is essentially what someone says it is, where it is and how it is. It is described as an unpleasant sensory and emotional experience associated with actual or potential tissue damage (International Association for the Study of Pain, 1994).

#### Pain assessment

Pain can be the result of many different factors. A thorough assessment of the patient will help to elicit areas other than those that are physical that may have some relevance to their pain. Remember that the pain that you see may be the “tip of the iceberg”.

Consider the following assessing their pain using the **PQRSTU** format:

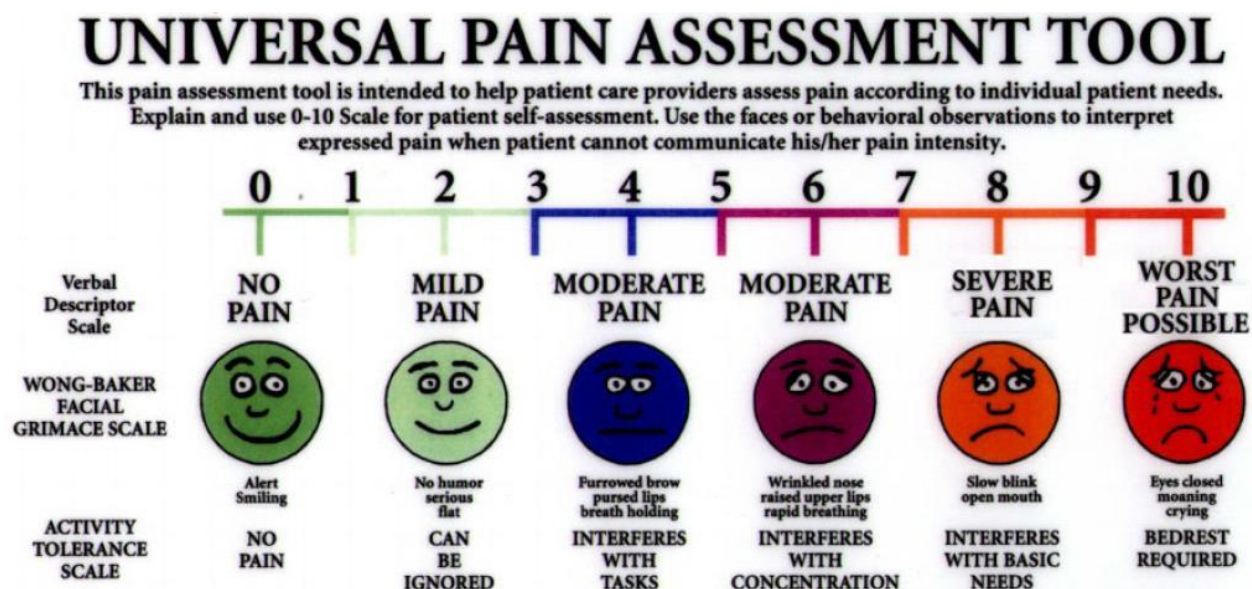
<b>P</b>	Palliative factors Provoking factors	<b><i>“What makes it better?”</i></b> <b><i>“What makes it worse?”</i></b>
<b>Q</b>	Quality	<b><i>“What is your pain like? Give me some words that tell me about it.”</i></b>
<b>R</b>	Radiation	<b><i>“Does the pain go anywhere else?”</i></b>
<b>S</b>	Severity	<b><i>“How severe is it?”</i></b> <b>Measured on numbered scale</b>
<b>T</b>	Time	<b><i>“Is it there all the time?”</i></b> <b><i>“Does it come and go?”</i></b>
<b>U</b>	Understanding	<b><i>“What does this symptom mean to/for you?”</i></b> <b><i>“How does this symptom affect your daily life?”</i></b> <b><i>“What do you believe is causing this pain?”</i></b> <b>Does their pain have meaning?</b>



## Visual Analogue Scale

Using a simple face scale (using 1-10) as a guide can help to guide where a person sees their pain.

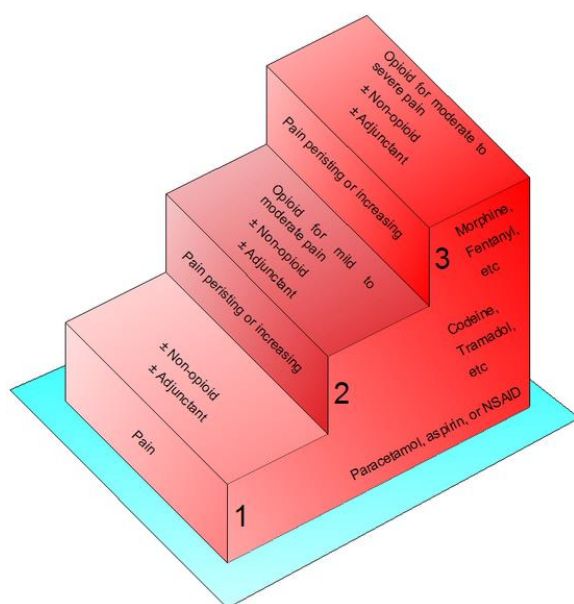
### Example of a Visual Analogue Scale



<http://www.nes.scot.nhs.uk/media/660731/painassessmenttoolfaceassscaletool.pdf>

## Using the Analgesic Ladder as a guide

The WHO's analgesic ladder is a systematic way of managing increasing or uncontrolled pain. The three steps are as follows:



**Step 3** – strong opioids – e.g. Morphine, Methadone, Oxycodone, Fentanyl

**Step 2** – weak opioids – e.g. Codeine, Dihydrocodeine, Tramadol

**Step 1** – non-opioids e.g. Paracetamol

## Types of Pain

**Somatic pain:** "arises from bone, muscle, ligament, subcutaneous tissue, or skin. It is often experienced as sharp or dull and is typically well localized by the patient."

Bonica's Management of Pain Fourth Edition (2009)

**Visceral pain:** "arises from organs such as lung, liver, or bowel and is broadly understood to arise from tissue that is embryologically mesodermal in origin. It is characteristically described as dull and achy and is usually poorly localized; typically the patient will use their entire hand to describe the location of the pain. Visceral pain is often also referred to distant sites, such as liver pain being experienced in the ipsilateral shoulder."

Bonica's Management of Pain Fourth Edition (2009)

**Neuropathic pain:** "is generally described as dull, achy, itchy, or burning. The skin can be sensitive to light touch ("allodynia") and there may be brief stabbing episodes of neuralgic pain. The burning may be superficial as in the experience of scalded skin or can be deep, as if there is a feeling of having been burned deep inside. The spontaneous use of the word "burning" by the patient predicts the presence of neuropathic pain."

Bonica's Management of Pain Fourth Edition (2009)

**Mixed pain:** "is the clinical situation where there is both nociceptive (i.e., somatic and/or visceral) and neuropathic pain. A common example is chest wall pain from lung cancer; there may be poorly localized deep ache consistent with visceral (pleural) pain, sharp and well-localized somatic pain from contiguous rib invasion, and burning numbness of the overlying skin due to invasion of intercostal nerves."

Bonica's Management of Pain Fourth Edition (2009)

**Breakthrough/Incident pain:** "is transient increase in pain to greater than moderate intensity superimposed on an otherwise stable pattern or level of pain of mild to moderate intensity. Breakthrough pain includes (1) incident pain that may arise from some activity or physical function (e.g., coughing, standing up), (2) pain that routinely increases as the duration of analgesic medication in reaching its limit (end-of-dose failure), and (3) spontaneous exacerbation of a stable level of pain for nonspecific reasons."

Bonica's Management of Pain Fourth Edition (2009)

## Consider the use of co-analgesics for the management of different types of pain:

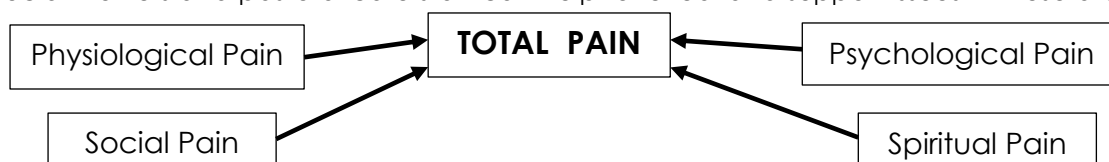
- **Bone Pain** – NSAIDs, Bisphosphonates
- **Skeletal Muscle Spasm pain** – Diazepam, Clonazepam, Baclofen
- **Smooth Muscle Spasm pain** – Hyoscine Butylbromide
- **Tenesmus** – Dexamethasone, Prednisone
- **Raised Intracranial pressure** – Dexamethasone, NSAIDs
- **Liver Capsule Stretch pain** – Dexamethasone

(McLeod, Vella-Brincat, MacLeod, 2012., p 12)

## KEEP IN MIND THAT PAIN IS NOT ALWAYS PHYSICAL

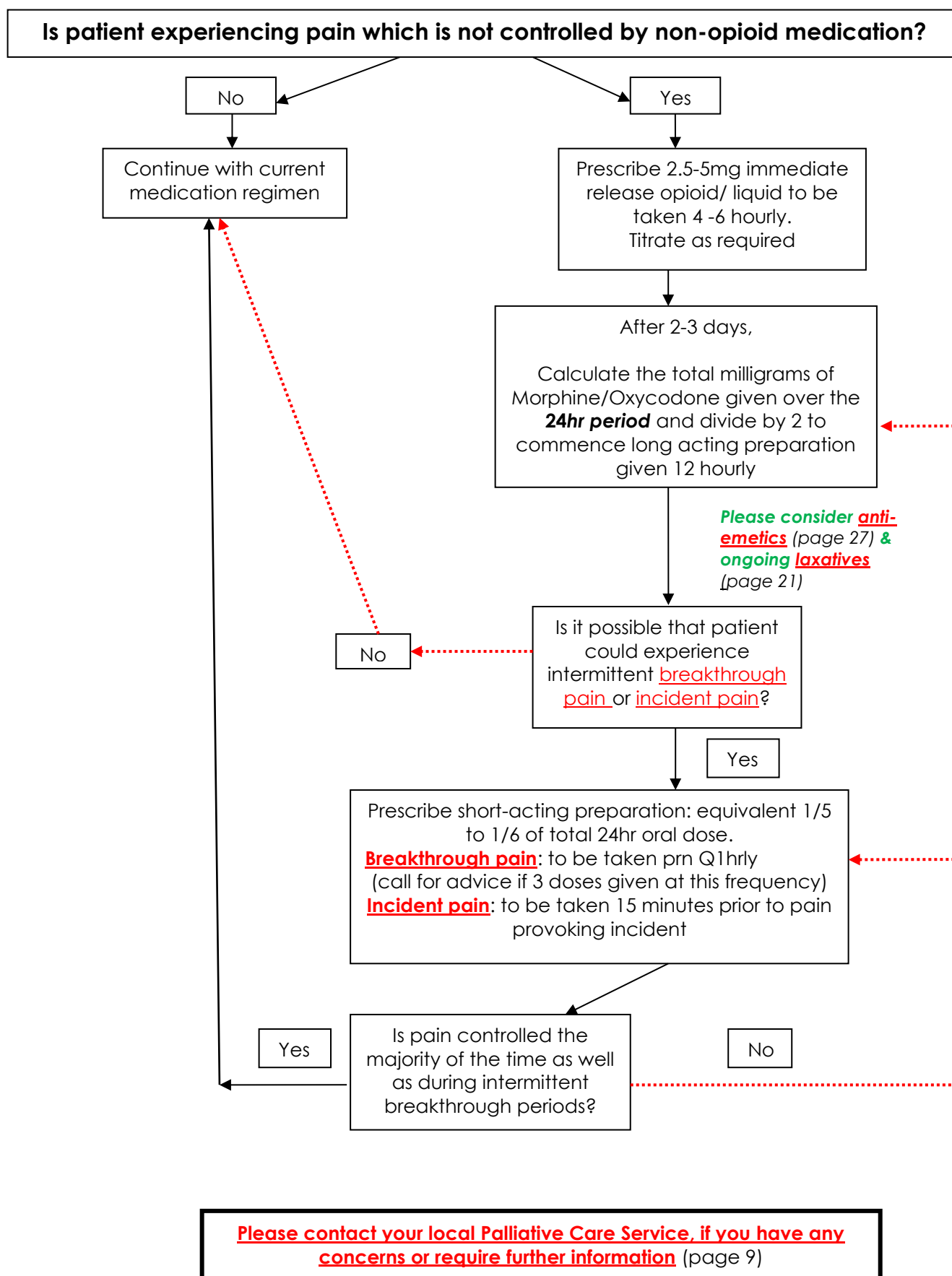
**Psychological pain** is any mental, or mind, or non-physical suffering. This can be from causes related to emotions.

Consider discussing issues that could be causing emotional and spiritual distress and explore these sensitively with your patient. The skills of specially trained professionals in this field e.g. counsellors, social workers and pastoral care staff can help to reveal and support issues in these areas.

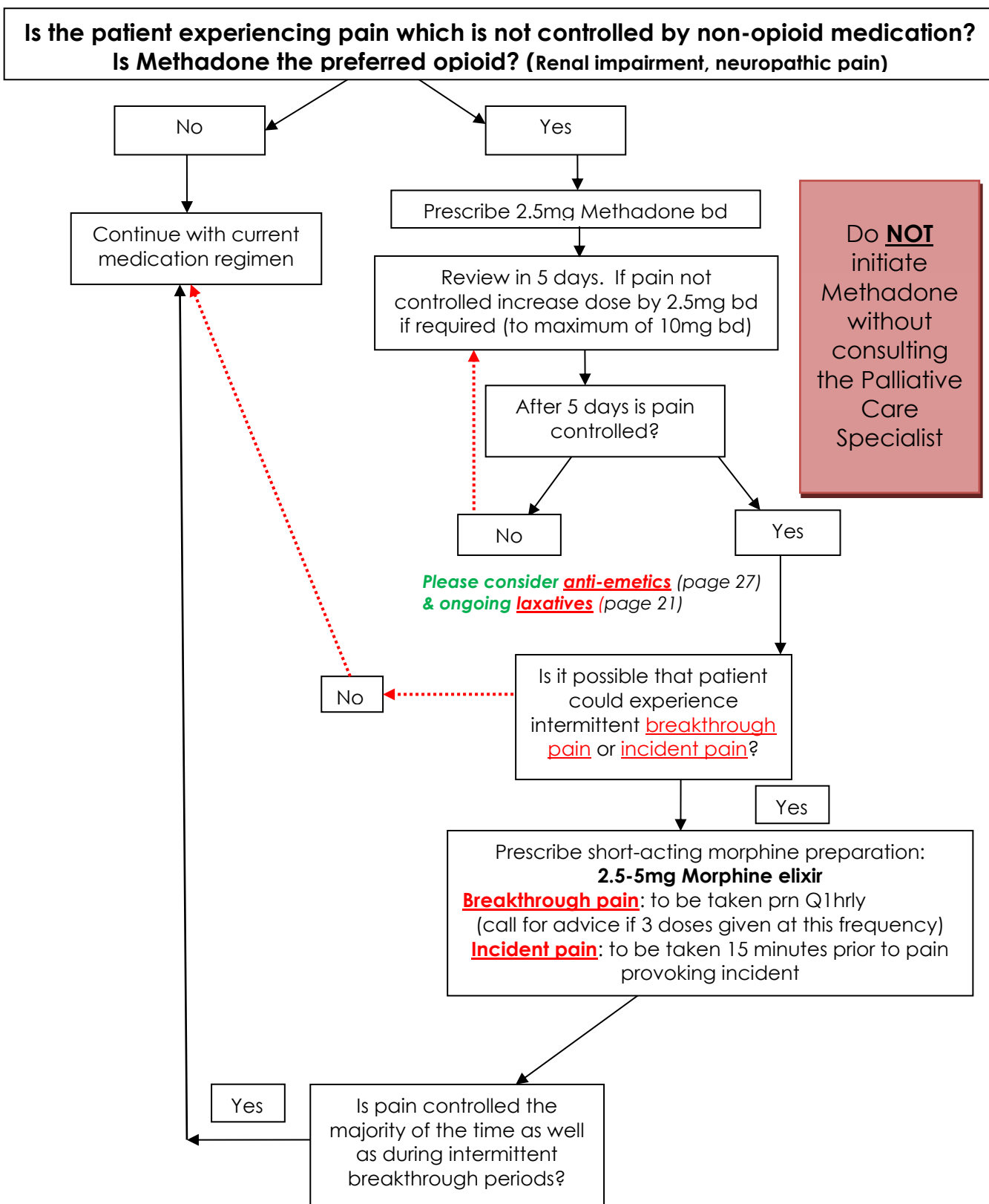




## Commencing an initial opioid – Morphine and Oxycodone



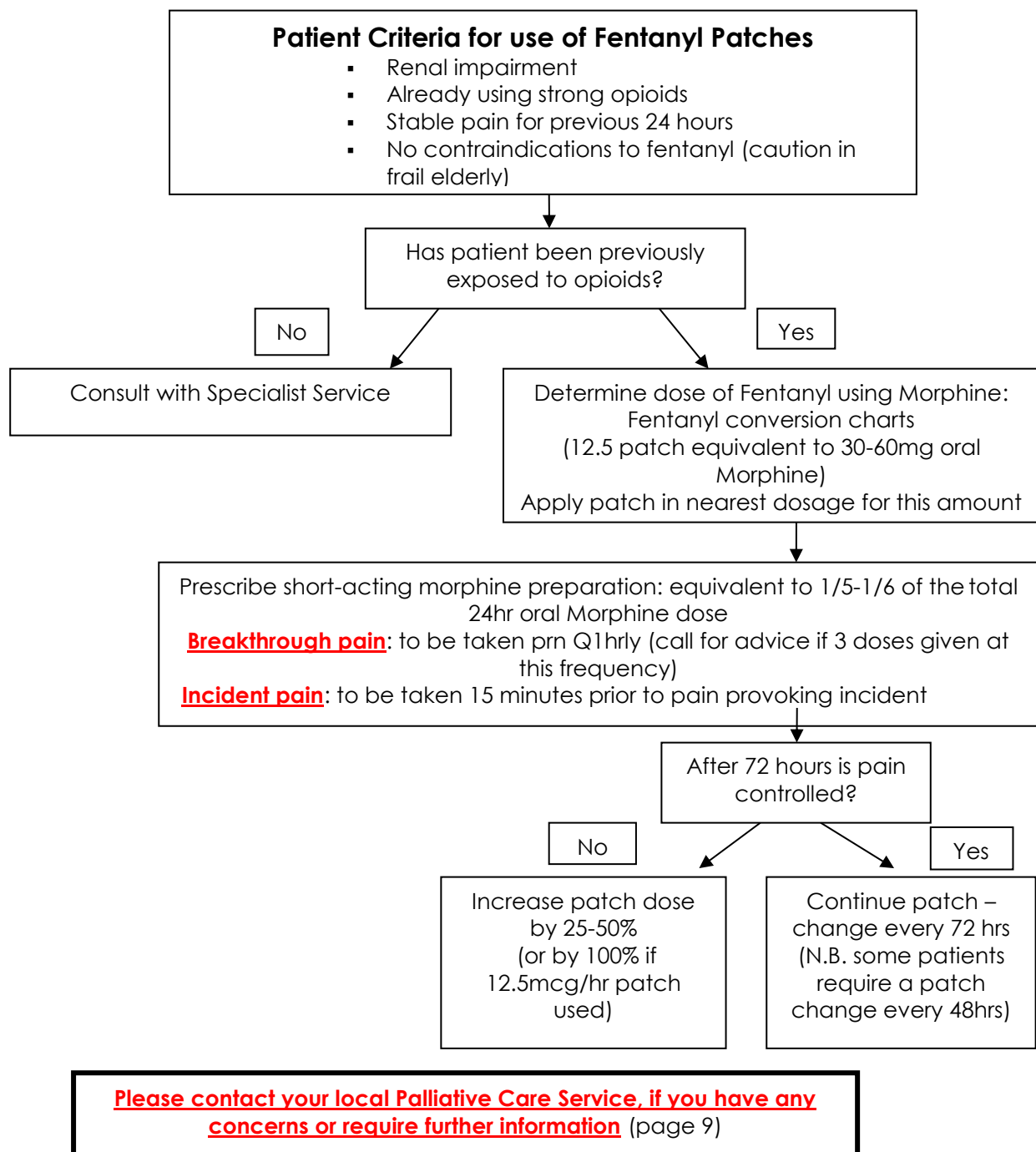
## Commencing an initial opioid - Methadone



### Note:

1. **PRN Methadone should not be used** unless under guidance of Specialist Palliative Care (see box above for alternatives)
2. For doses over 10mg bd or if pain is not controlled, please consult your specialist service [Hospices of Northland Contacts](#) (page 9)

## Management of Fentanyl Patches (for those with stable pain)



Reference: Janssen-Cilag Durogesic resource information

# Managing Gastrointestinal Issues

## Bowel Management – Constipation

**Constipation is:** irregular and infrequent (compared to what is not normal for that patient) or difficult evacuation of the bowels.

**Symptoms include:** Anorexia, vomiting/nausea, abdominal discomfort, diarrhoea or faecal overflow, abdominal distension, confusion, anxiety, bowel obstruction, pain.

**Causes include:** Hypercalcaemia, spinal cord abnormalities/injuries, drugs, dehydration, low fibre diet, immobility, intestinal obstruction, nerve compression/neuropathy, haemorrhoids, anal fissure, diabetes and hypothyroidism.

### Holistic Reflection

**PQRSTU assessment:** Consider this framework as a tool to assess the symptom holistically.

[See PQRSTU guidelines](#) (page 58)

**Emotional Considerations:** Fear regarding other issues surrounded defecation e.g. pain can impact on regularity. Is the presence of toilet equipment “outside of the usual place” causing emotional anguish?

**Spiritual Considerations:** Are there issues regarding ongoing defecation e.g. colostomy. Has the “routine” changed? How does this affect the person and their lifestyle? Has the patient/family/whānau changed their language around describing themselves? i.e. has their identity changed?

**Social Considerations:** How does constipation affect family/whānau life? How is this affecting your relationship with your partner/friends?

### Bristol Stool Chart

This chart is a good visual resource to “describe” faecal matter. This also gives a good indication of how long it has been in the bowel. (i.e.) Type 1-3 have been in the bowel longer and therefore have less water content and may be harder to pass. This knowledge influences management.

**See Bristol Stool Chart Appendix Four** (page 62)

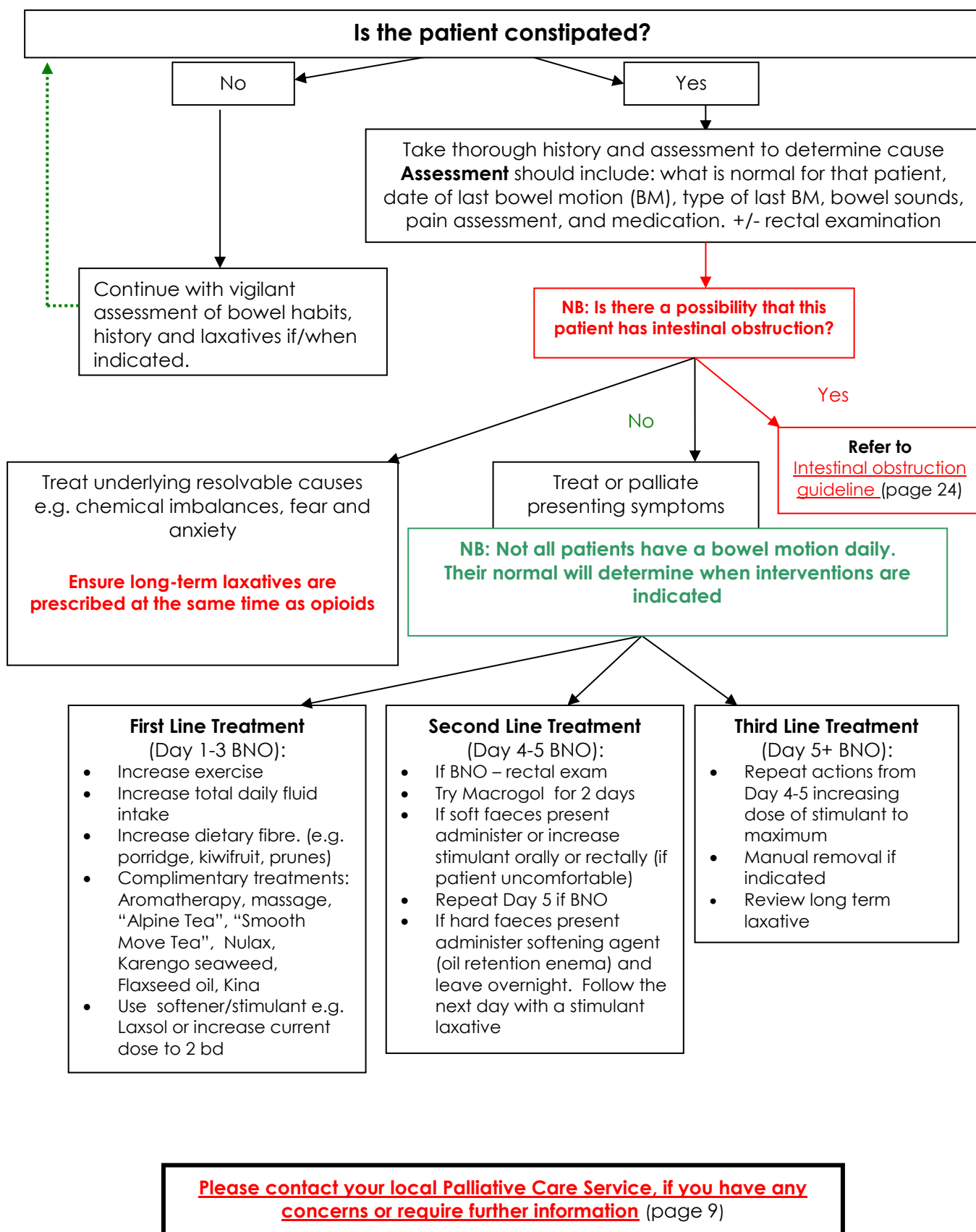
## Types of Laxative and Uses

Type	Action	Example	Prescribing and Administration Hints
<b>Stimulant</b>	Stimulate the peristaltic movement	Senna (in Laxsol™) 1-2 bd Bisacodyl (Dulcolax™) 5mg bd Fleet™	<ul style="list-style-type: none"> <li>Contraindicated in suspected obstruction</li> <li>Can increase abdominal pain</li> <li>If given rectally must be inserted at least 4cm into the rectum <b>against the mucous membrane</b> of the rectum not into the faeces – <b>blunt end first</b></li> </ul>
<b>Stimulant/Softener</b>	Stimulate the peristaltic movement	Dantron and Poloxamer (Pinorax™)	<ul style="list-style-type: none"> <li>Contraindicated in suspected obstruction</li> <li>Can increase abdominal pain</li> </ul>
<b>Lubricant</b>	Lubricate the anorectum and have a stimulant effect	Glycerine suppository	<ul style="list-style-type: none"> <li>Insert <b>into the faeces – pointed end first</b></li> <li>Avoid using lubricant with suppositories</li> </ul>
<b>Softeners</b>	Change consistency of faeces <i>Not the laxative of choice where peristaltic action impaired e.g. stroke, Parkinsons, impaction, bowel obstruction</i>	Docusate Sodium (in Laxsol™) 1-2 bd	<ul style="list-style-type: none"> <li>If given rectally must be inserted at least 4cm into the rectum <b>against the mucous membrane</b> of the rectum not into the faeces – <b>blunt end first</b></li> </ul>
<b>Osmotic Agents</b>	Draw water into the faeces	Lactulose (Duphalac) Macrogol 3350 (Lax-Sachets™) 1-2 sachet up to qid – similar to an osmotic as it draws water but does not affect the electrolyte balance	<ul style="list-style-type: none"> <li>At least 125mls of water needs to be taken at the time of administration</li> </ul>

### Manual Evacuation Guidelines

Manual evacuations are to be avoided if possible.

- Obtain prescription for relaxant
- Obtain consent and explain procedure
- Left lateral position
- Use plenty of lubricant
- Remove small amounts of faeces with one finger



## Bowel Management – Diarrhoea

**Diarrhoea is:** an increase in the frequency of bowel motions, or increased stool liquidity.

**Symptoms include:** watery, loose stool, passing stools more than three times per day. Person may experience an urgency to pass faeces.

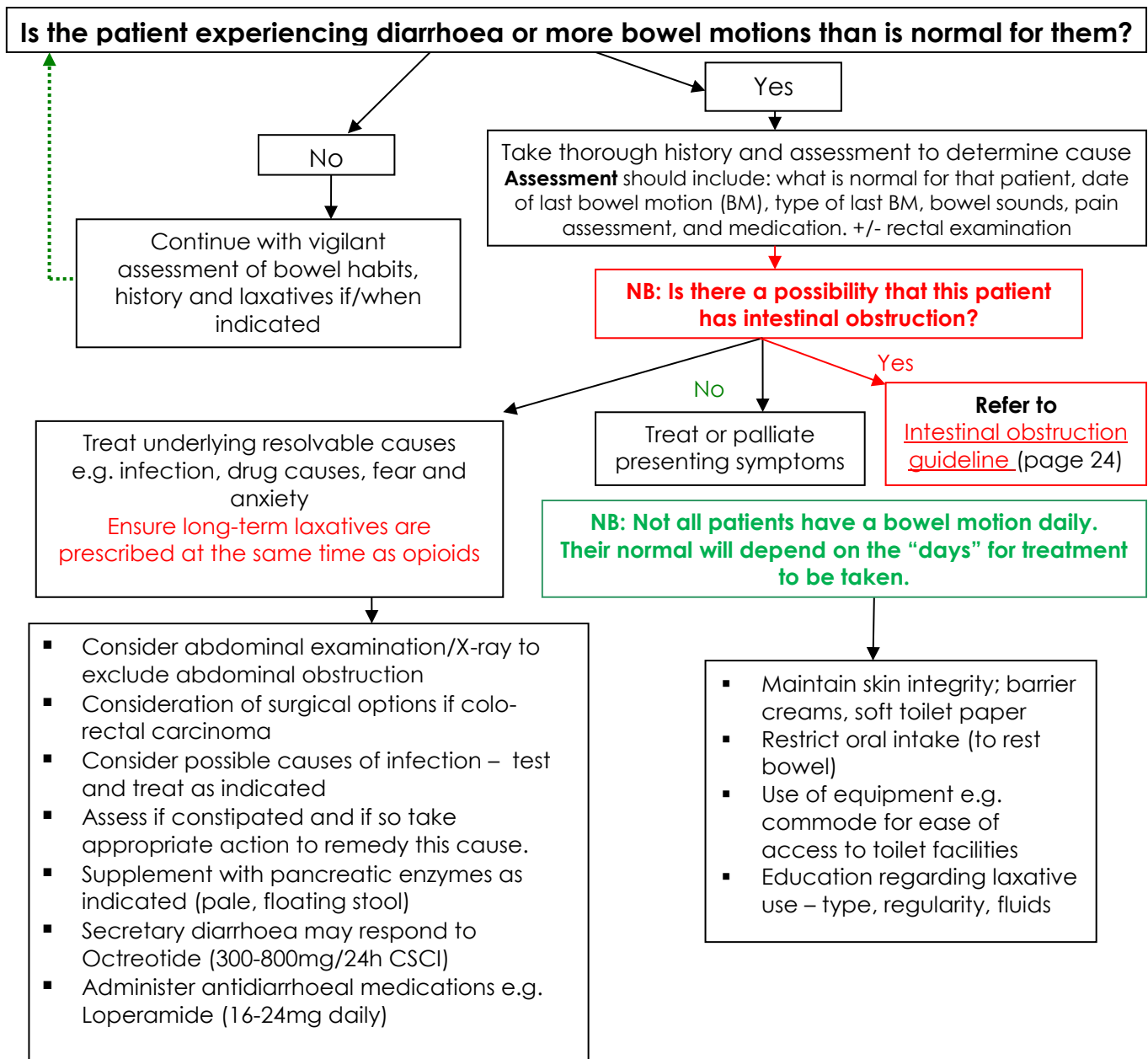
**Causes:** faecal impaction, carcinoma, spinal cord compression, incomplete gastrointestinal obstruction, malabsorption, food intolerance, overfeeding (e.g. PEG) concurrent disease e.g. diabetes, hyperthyroidism, inflammatory bowel disease, radiotherapy to torso, drugs, bowel surgery, fistula formation between small and large bowel, anxiety.

### Holistic Reflection

**Emotional Considerations:** Fear regarding other issues surrounded defecation e.g. Will I make it to the toilet? Do you experience pain on defecation? Is the presence of toilet equipment "outside of the usual place" causing emotional anguish?

**Spiritual Considerations:** Are there issues regarding ongoing defecation e.g. colostomy. Has the "routine" changed? How does this affect the person, and their lifestyle?

**Social Considerations:** How does diarrhoea affect family/whānau life? How is this affecting your relationship with your partner/friends?



## Bowel Management – Intestinal Obstruction

**Intestinal Obstruction is:** “a blockage of the forward flow of gastric and intestinal contents through the gastrointestinal tract and can occur in the large or small bowel”.

(Fraserhealth 2014)

**Symptoms include:** colic pain, vomiting, dehydration

**Causes:** Can be mechanical or paralytical; blockage of intestine by tumour or inflammation, aggravated by drugs (anticholinergics, opioids), radiation fibrosis, autonomic nerve disruption due to tumour.

### Holistic Reflection

**Emotional Considerations:** Fear regarding what obstruction means long-term.

**Spiritual Considerations:** How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this diagnosis impact on the remainder of life? How does diagnosis affect family/whānau life? How is this affecting your relationship with your partner/friends?

### Are there symptoms present which could indicate intestinal obstruction?

No

Continue with vigilant assessment of bowel habits, history and laxative use

Ongoing review is vital to assess recurrence of this symptom.

Yes

Symptoms include:  
Abdominal pain (colic type pain), nausea/vomiting, constipation, or diarrhoea, faeculent vomiting

Use medical interventions to reverse or minimise specific issues

- Confirm diagnosis either via abdominal examination or X-ray. ? partial or complete obstruction
- Consideration of surgical options if colo-rectal carcinoma
- Reduce nausea/vomiting with appropriate anti-emetics (e.g. Haloperidol 2.5-5mg daily, Cyclizine 100-150mg daily, Levomepromazine 6.25-12.5mg daily)
- Pain – consider opioid and anti-spasmodic (e.g. Buscopan 40-80mg daily)  
Buscopan will also help to reduce secretions
- Consider Octreotide (300-800mg/24h CSCI) if above not adequate
- Assess if constipated and if so take appropriate action to alleviate this cause
- Education re diet to decrease dietary residue
- Start on Dexamethasone 4-8mg SC daily

Background palliative measures

- Restrict oral intake (to rest bowel) unless patient wishes to eat/drink limited amounts.  
Educate re outcome of this
- Use of equipment e.g. commode for ease of access to toilet facilities
- Education regarding laxative use – type, regularity, fluids

**Please Note:** Oral medication is not always absorbed adequately. If intestinal obstruction is suspected be aware of this and use other modes of delivery for drugs e.g. subcutaneous. Please consult your specialist service for advice regarding this. [Hospices of Northland Contacts](#) (page 9)



## Malignant Ascites

**Malignant Ascites is:** "free fluid in the peritoneal cavity"

(Kane, P. 2006)

**Symptoms include:** breathlessness, squashed stomach → nausea/vomiting, pain/discomfort, increased abdominal size/girth

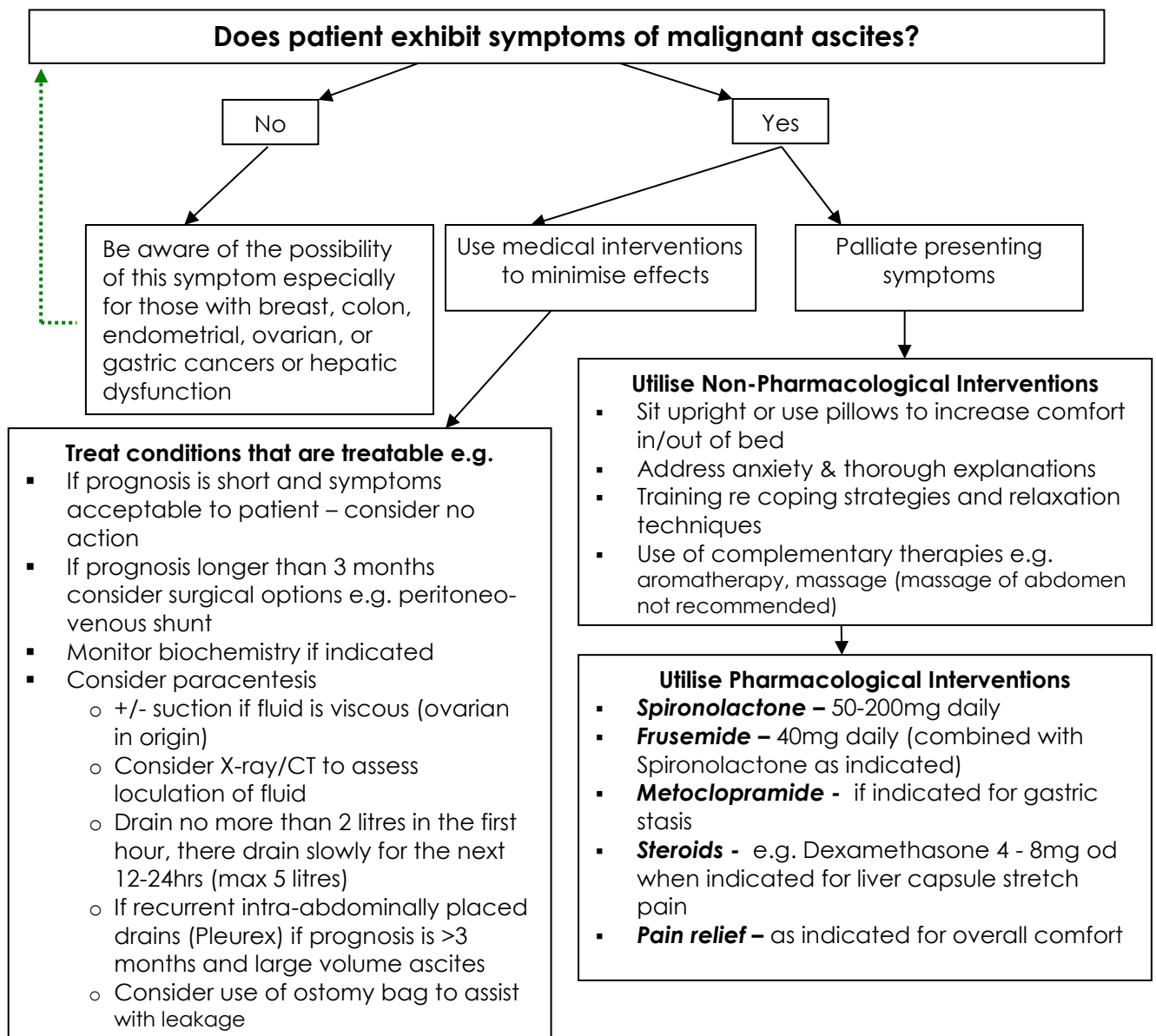
**Causes:** Fluid build-up can be attributed to failure of the lymph system to adequately drain, tumour in the peritoneal cavity, low serum albumin (such as in Liver Failure) or excess fluid production

### Holistic Reflection

**Emotional Considerations:** Anxiety regarding perception of self, body image and mobility

**Spiritual Considerations:** How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this diagnosis impact on the remainder of life?



**Please contact your local Palliative Care Service, if you have any concerns or require further information** (page 9)

## Mouth Care

**Mouth Care Management:** involves the management of any abnormal condition within the oral cavity

**Symptoms include:** sore mouth, dry mouth, ulceration of mouth, tongue, gums or lips, infection of oral cavity

**Causes can include:** radiotherapy, chemotherapy, infection (e.g. fungal, herpes), decreased fluid intake, decreased nutritional status, oral tumour, inability to brush/care for teeth/mouth, oxygen therapy, mouth breathing, mental-, nutritional and physical state

### Holistic Reflection

**Emotional Considerations:** Anxiety regarding perception of self because of state of oral cavity. Dependency issues with not being able to care for oral cares independently.

**Spiritual Considerations:** How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this diagnosis impact on the remainder of their life

Using a pen torch and spatula conduct a full oral assessment with particular regard to tongue, teeth, mucous membranes, lips and type/quantity of saliva.  
Dentures must be removed prior to examination.

### Does the patient require intensive mouth care?

No

Continue with their current mouth care regimen

Yes

Check causes as mentioned above

Medicate underlying resolvable causes  
e.g. infection, dehydration, pain

Palliate presenting symptoms

- **Benzydamine** as analgesic for mouth
- **Nystatin suspension** or **Miconazole** for treatment of oral thrush
- **Fluconazole** (systemically) if topical applications are ineffective
- **Acyclovir** for herpetic infections
- **Topical corticosteroids** for aphthous ulcers
- **Pilocarpine solution** (1mg/ml, 5ml rinse three times/day) for **dry mouth**
- **Atropine eye drops** (1%, 1-2 drops orally three to four times a day) or **Ipratropium bromide nasal spray** (1 to 2 puffs orally three to four times a day)
- **Radiotherapy** for hypersalivation

- Increase oral fluids or fluids in diet
- Increase frequency of mouthwashes (salt/baking soda, Chlorhexidine)
- Administer salivary stimulants e.g. lime/lemon/pineapple/melon (fresh/frozen juice or cubes)
- Clean mouth with soft toothbrush or tooth swab
- Re-assess medications

## Nausea and Vomiting

**Nausea is:** "an unpleasant feeling of the need to vomit often accompanied by autonomic symptoms"

**Vomiting is:** "the forceful expulsion of gastric contents through the mouth"

Watson, Lucas and Hoy, 2006

### Causes within table below

#### Holistic Reflection

PQRSTU assessment: Consider this framework as a tool to assess the symptom holistically.

See [PQRSTU guidelines](#) (page 58)

**Emotional Considerations:** Fear and anxiety can be both cause and consequence.

**Spiritual Considerations:** Cultural considerations e.g. Maori/Asian/Pacific peoples.

How does this affect the person, their self identity and their lifestyle?

**Social Considerations:** How is not eating affecting family/whānau life? How is this affecting your relationship with your partner/friends?

Is there pressure from other people for you to eat? Does the smell of cooking/food around you cause you to feel sick?

What is the cause of the Nausea/Vomiting?					
	Higher Vomiting Centre – Cerebral Cortex	Vomiting Centre Stimulation	Vagal and Sympathetic Afferent stimulation	Chemo-receptor Trigger Zone Stimulation	Vestibular Nerve Stimulation
Causes	<ul style="list-style-type: none"> <li>Sights, smells, memories</li> <li>Emotion</li> <li>Anxiety &amp; fear</li> </ul>	<ul style="list-style-type: none"> <li>Primary or metastatic tumour</li> <li>Radiotherapy to head</li> <li>Raised intracranial pressure</li> </ul>	<ul style="list-style-type: none"> <li>Distension – over-eating, gastric stasis, hepatomegaly</li> <li>Cough</li> <li>Bronchial secretions</li> <li>Obstruction – high, mid, low, constipation</li> <li>Chemical Irritants – blood, drugs</li> </ul>	<ul style="list-style-type: none"> <li>Toxic – cancer, infection, radiation</li> <li>Drugs – Chemotherapy, Opioids, Digoxin etc</li> <li>Biochemical – Uremia, Hypercalcaemia</li> </ul>	<ul style="list-style-type: none"> <li>Opioids</li> <li>Cerebellar Tumour</li> </ul>
Possible Solutions	<ul style="list-style-type: none"> <li>Relaxation</li> <li>Benzodiazepines</li> <li>Midazolam – 2.5mg SC/SL prn or</li> <li>Clonazepam 1 - 2 drops S/L prn</li> </ul>	Cyclizine 50mg O/SC 8hrly prn ↓ Review after 24hrs ↓ If more than 2 doses given consider use of Syringe Driver of 100 - 150mg Cyclizine SC over 24hrs ↓ Review after 24hrs ↓ If not effective use combination of Cyclizine/Haloperidol <b>OR</b> Change to Levomepromazine 5 - 12.5 mg SC over 24 hours	If bowel obstruction suspected ring Specialist Team for advice If not: ↓ Regular 6hrly Metoclopramide 10mg orally ↓ If more than 2 doses given consider use of Syringe Driver at 30 - 60mg Metoclopramide over 24hrs	Haloperidol Oral 1 - 2.5mg <b>OR</b> SC 1.5mg prn ↓ Review after 24 hrs ↓ If more than 2 doses given consider use of Syringe Driver of 5 - 7.5mg Haloperidol SC over 24hrs ↓ Review after 24 hrs ↓ If not effective use combination of Cyclizine/Haloperidol <b>OR</b> Change to Levomepromazine 5 - 12.5 mg SC over 24 hours	Haloperidol Oral 1 - 2.5mg <b>OR</b> SC 1.5mg prn (limit to 3 doses) ↓ Review after 24 hrs ↓ If more than 2 doses given consider use of Syringe Driver 5 - 7.5mg Haloperidol SC over 24hrs ↓ Review after 24 hrs ↓ If not effective use combination of Cyclizine/Haloperidol <b>OR</b> Change to Levomepromazine 5 - 12.5 mg SC over 24 hours
<b>If these doses are exceeded please consult your specialist service for advice regarding further options <a href="#">Hospices of Northland Contacts</a> (page 9).</b>					

# Managing Respiratory Issues

## Breathlessness (Dyspnoea)

**Breathlessness or Dyspnoea is:** a state or sensation of being breathless or out of breath.

**Symptoms include:** inability to catch breath, gasping, short breaths, shallow breathing. In addition cough, hiccup and pleural pain are common in people who have breathlessness.

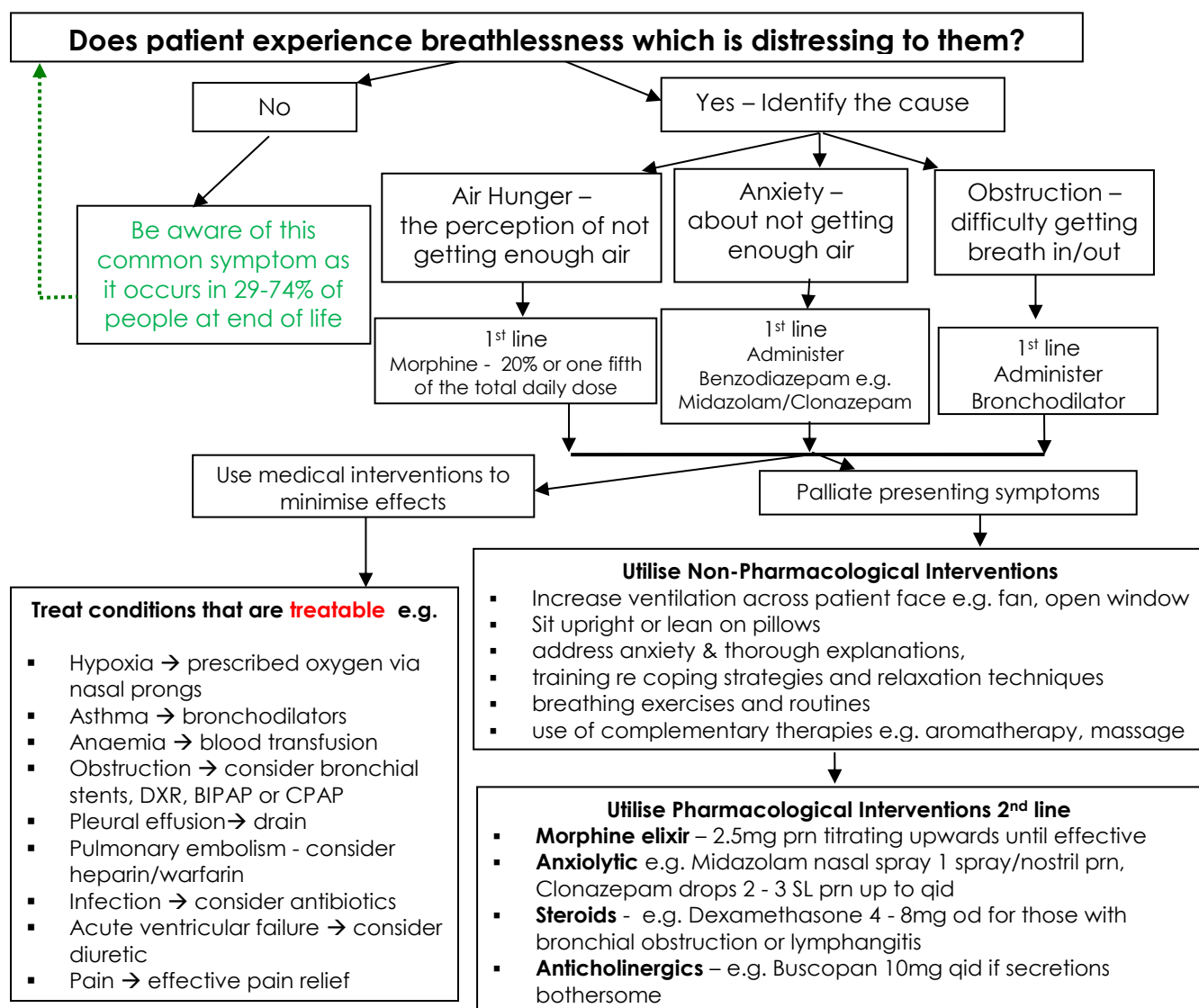
**Causes include:** Obstruction of airways, decreased lung volume (e.g. from effusions, infections, chronic conditions, lung collapse), increase lung stiffness (e.g. from pulmonary oedema, lymphangitis, carcinomatosis, pulmonary fibrosis, mesothelioma), decreased gas exchange (e.g. from pulmonary thrombus, tumour effect on pulmonary circulation), pain (pleurisy, infiltration of chest wall, rib or vertebral fractures), neuromuscular failure (e.g. paraplegia, motor neurone disease, phrenic nerve palsy, cachexia, paraneoplastic syndrome), congestive heart failure, ascites/pleural effusion, anxiety, anaemia, metabolic acidosis.

## Holistic Reflection

**Emotional Considerations:** How does it feel to be out of breath all the time? How is your distress perceived by those around you?

**Spiritual Considerations:** What does being breathless mean to you? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does being breathless affect your lifestyle and the lifestyle of those around you?



## Cough

**Cough is:** a forceful exhalation of air to clear the airways as a means of defense to protect the airways

**Symptoms include:** constant exhalation of air

**Causes include:** see chart below

### Holistic Reflection

**Emotional Considerations:** How does it feel to cough all the time? How does this affect your sleep and your overall wellness?

**Spiritual Considerations:** What does coughing mean to you? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does constantly coughing affect your lifestyle? And the lifestyle of those around you?

Cause	First Line Treatment
Acute Respiratory Infection	<ul style="list-style-type: none"><li>• Physiotherapy</li><li>• Nebulised saline</li><li>• Antibiotics</li></ul>
Airways Disease	<ul style="list-style-type: none"><li>• Physiotherapy</li><li>• Bronchodilator</li><li>• Inhaled corticosteroids</li><li>• Systemic corticosteroids</li></ul>
Malignant Obstruction/Tumour	<ul style="list-style-type: none"><li>• As above</li><li>• Nebulised local anaesthetic</li></ul>
Oesophageal reflux	<ul style="list-style-type: none"><li>• Positioning</li><li>• Proton pump inhibitors e.g. Omeprazole</li><li>• Prokinetic agents e.g. Metoclopramide</li></ul>
Salivary Aspiration	<ul style="list-style-type: none"><li>• Anticholinergic agent</li></ul>
Cardiovascular Causes	<ul style="list-style-type: none"><li>• Cardiac drugs</li></ul>
Pulmonary Oedema	<ul style="list-style-type: none"><li>• Assuming regular dose of Frusemide is not greater than 120mg PO daily → 40mg oral/IV stat</li></ul>
Drugs which cause cough e.g. Captopril	<ul style="list-style-type: none"><li>• Reduce dose or change drug</li></ul>
Cough with tenacious sputum	<ul style="list-style-type: none"><li>• Steam inhalation</li><li>• Nebulised saline</li><li>• Bronchodilators</li><li>• Physiotherapy</li></ul>

### Pharmacological Interventions

Issue	Management
Simple Linctus e.g. Gee's Linctus	<ul style="list-style-type: none"><li>• Soothing first line suppressant</li></ul>
Cough Suppressant e.g. Codeine, Pholcodeine, Morphine	<ul style="list-style-type: none"><li>• Titrate dose to effect</li><li>• May be useful in dry non-productive coughs</li><li>• In productive coughs suppressing cough may lead to infection</li></ul>
Oxygen	<ul style="list-style-type: none"><li>• Useful in emphysema related cough</li></ul>
Corticosteroids e.g. Dexamethasone 4mg mane	<ul style="list-style-type: none"><li>• Often used to treat cough associated with endobronchial tumours, lymphangitis or radiation pneumonitis</li></ul>

## Hiccup

**Hiccup is:** the spasmodic contraction of the diaphragm

**Symptoms include:** sudden inspiration of air and closure of the vocal cords

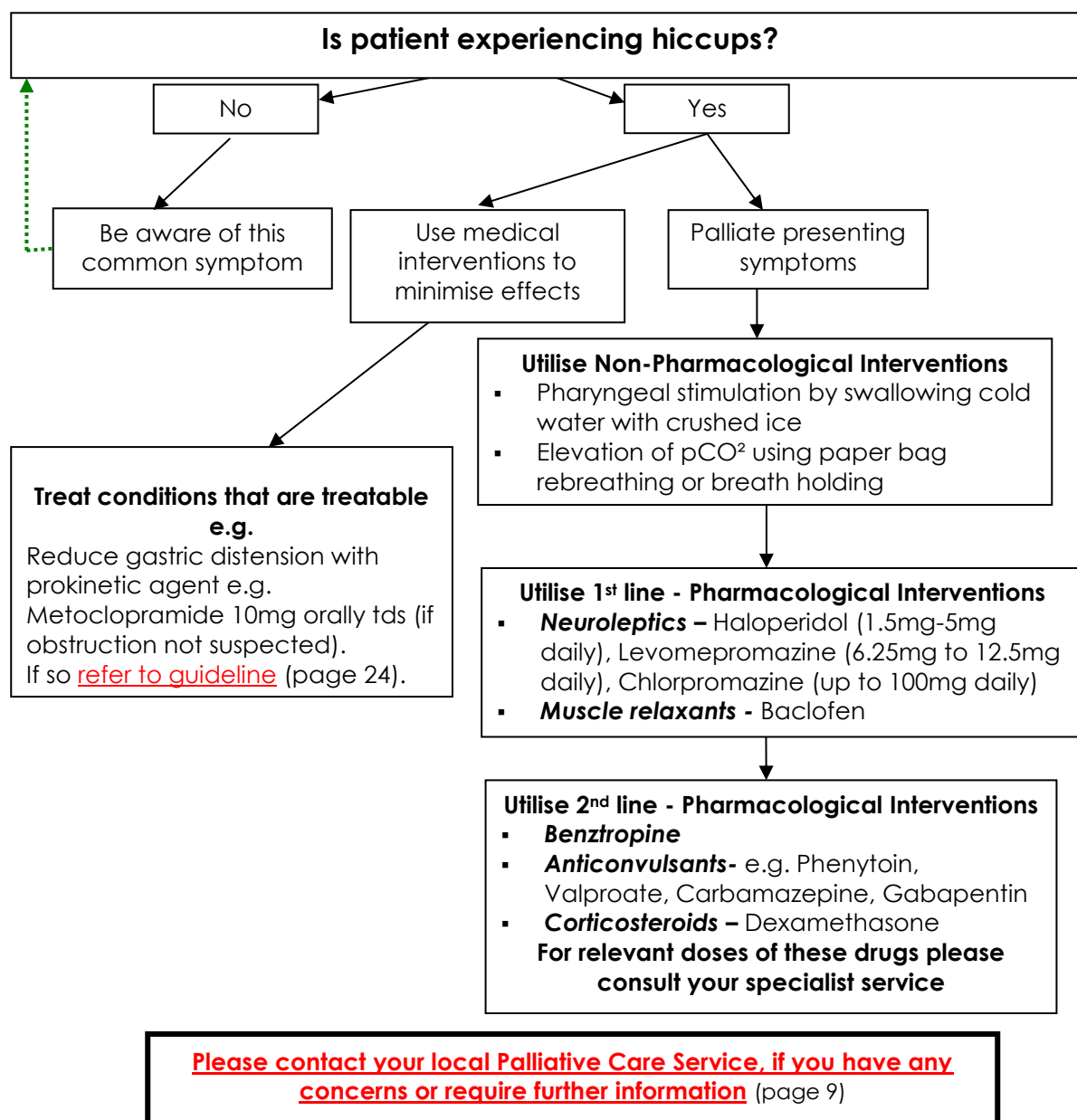
**Causes include:** Gastric distension, diaphragmatic irritation, phrenic or vagal nerve irritation, uraemia, neurological disease affecting the medulla e.g. brain cell tumour, infarction, encephalitis, liver disease

### Holistic Reflection

**Emotional Considerations:** How does it feel to be hiccuping all the time? How is your distress perceived by those around you?

**Spiritual Considerations:** What does continually hiccuping mean to you? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does hiccuping all the time affect your lifestyle? And the lifestyle of those around you.



## Secretions

**Noisy breathing/Secretions:** occurs when a person is unable to physically clear respiratory secretions. This is a common symptom leading up to the end of life and is often referred to as the "death rattle". This is not obviously distressing for the patient but is so for the family/whānau

**Symptoms include:** noisy, gurgling, rattling sound associated with breathing

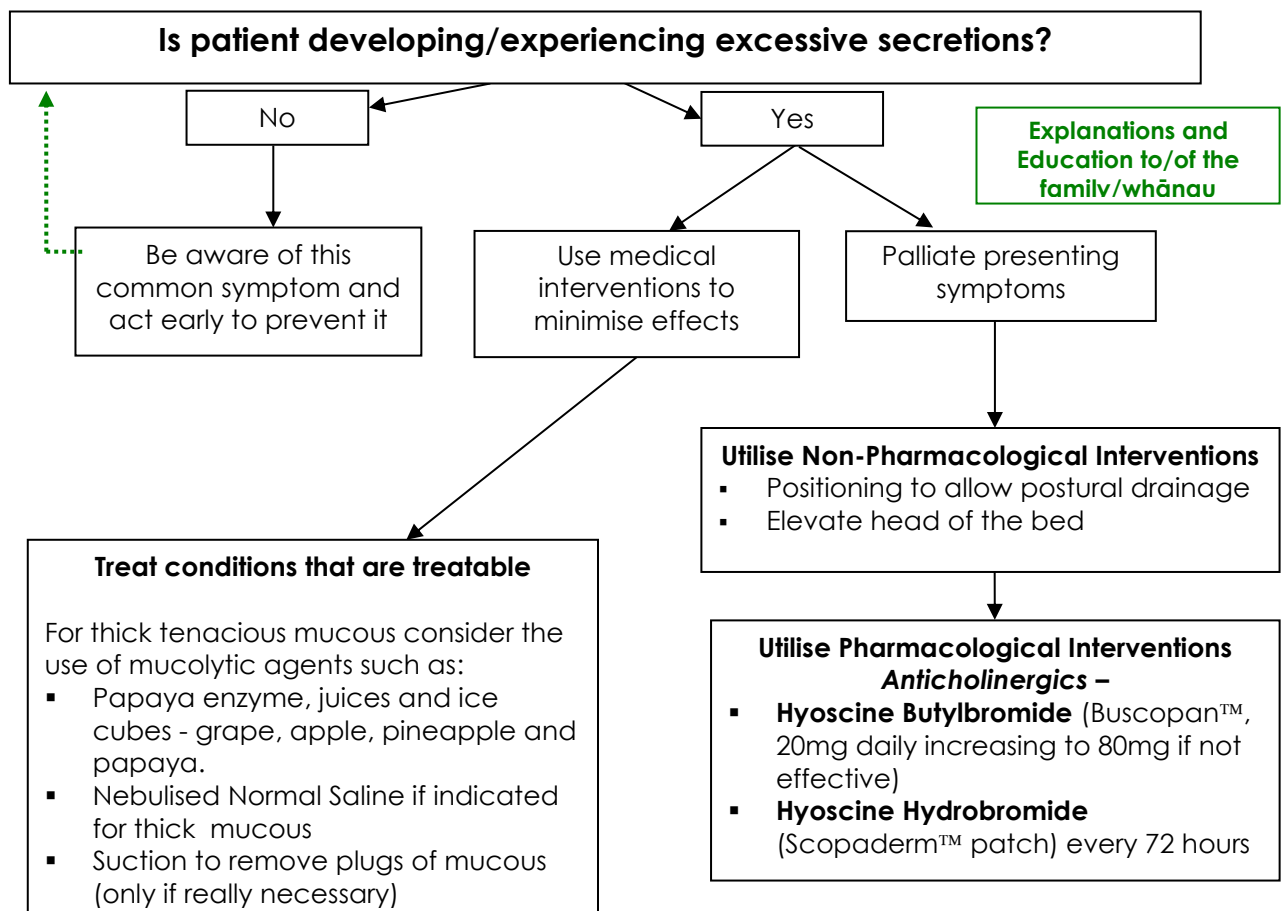
**Causes include:** weakening of physical strength to enable forceful expulsion of secretions from the back of the throat, weakening of cough reflex. Early identification of patients who could potentially develop/experience this symptom is the key to good management

### Holistic Reflection

**Emotional Considerations:** What does this symptom mean for the family/whānau?

**Spiritual Considerations:** Is there any considerations that need to be taken into account around this time? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this symptom affect family/whānau staying close by?



**Please contact your local Palliative Care Service, if you have any concerns or require further information** (page 9)



# Managing Skin Issues

## Itch

**Itch is:** an irritating skin sensation causing a desire to scratch

**Symptoms include:** an intense desire to continually scratch

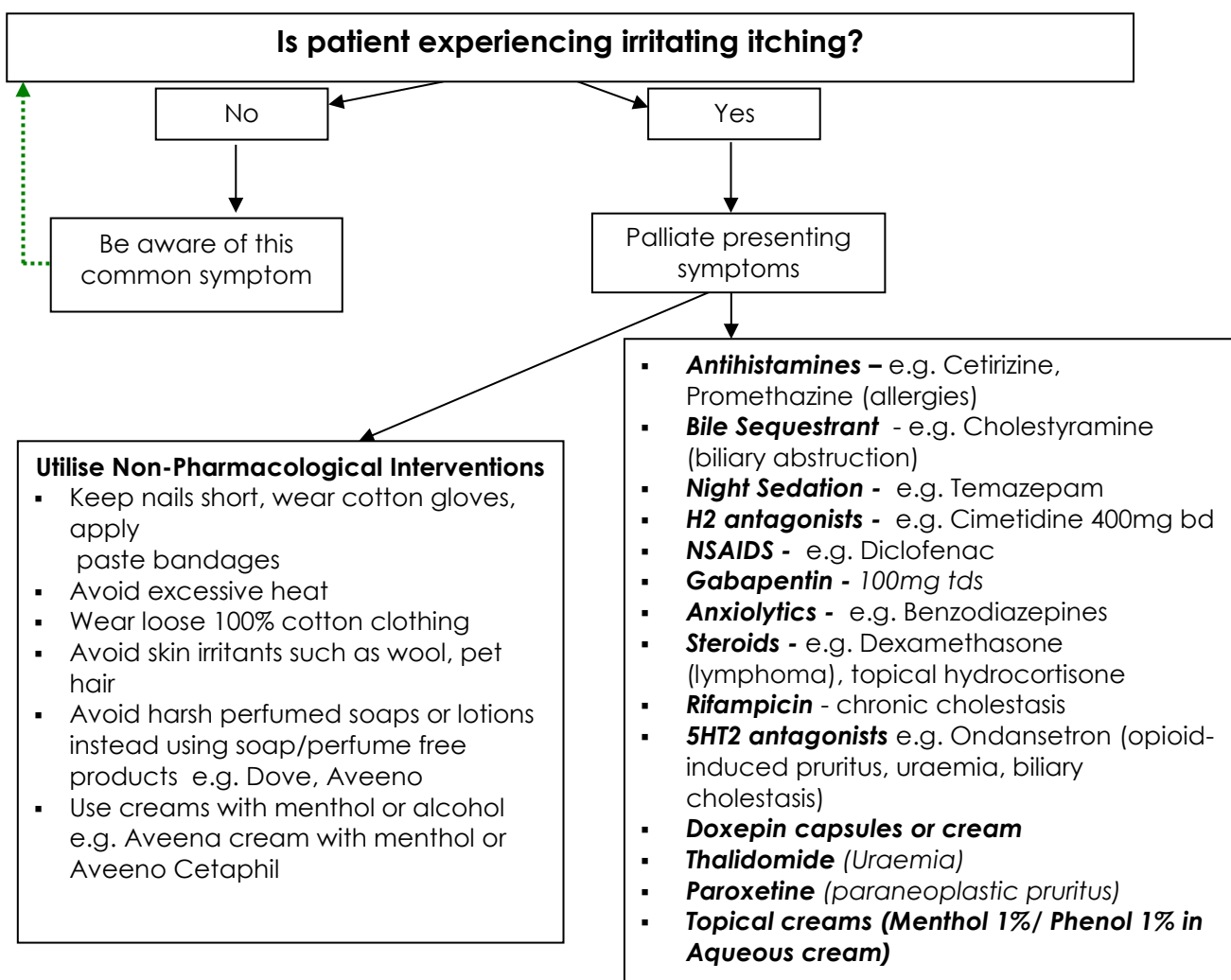
**Causes include:** hepatic/renal disease (obstructive jaundice, cholestatic and uraemic itch), drug allergy, drugs (opioids, vasodilators), endocrine disease, iron deficiency, lymphoma, provocative sensory influence such as rough clothing, parasites

## Holistic Reflection

**Emotional Considerations:** What does this symptom mean for the family/whānau?

**Spiritual Considerations:** Is there any considerations that need to be taken into account around this time? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this symptom affect family/whānau staying close by?



**Please contact your local Palliative Care Service, if you have any concerns or require further information** (page 9)



## Sweating

**Sweating is:** the secretion of fluid from the skin by sweat glands within and under the skin

**Symptoms include:** an overproduction and secretion of sweat for no apparent usual cause

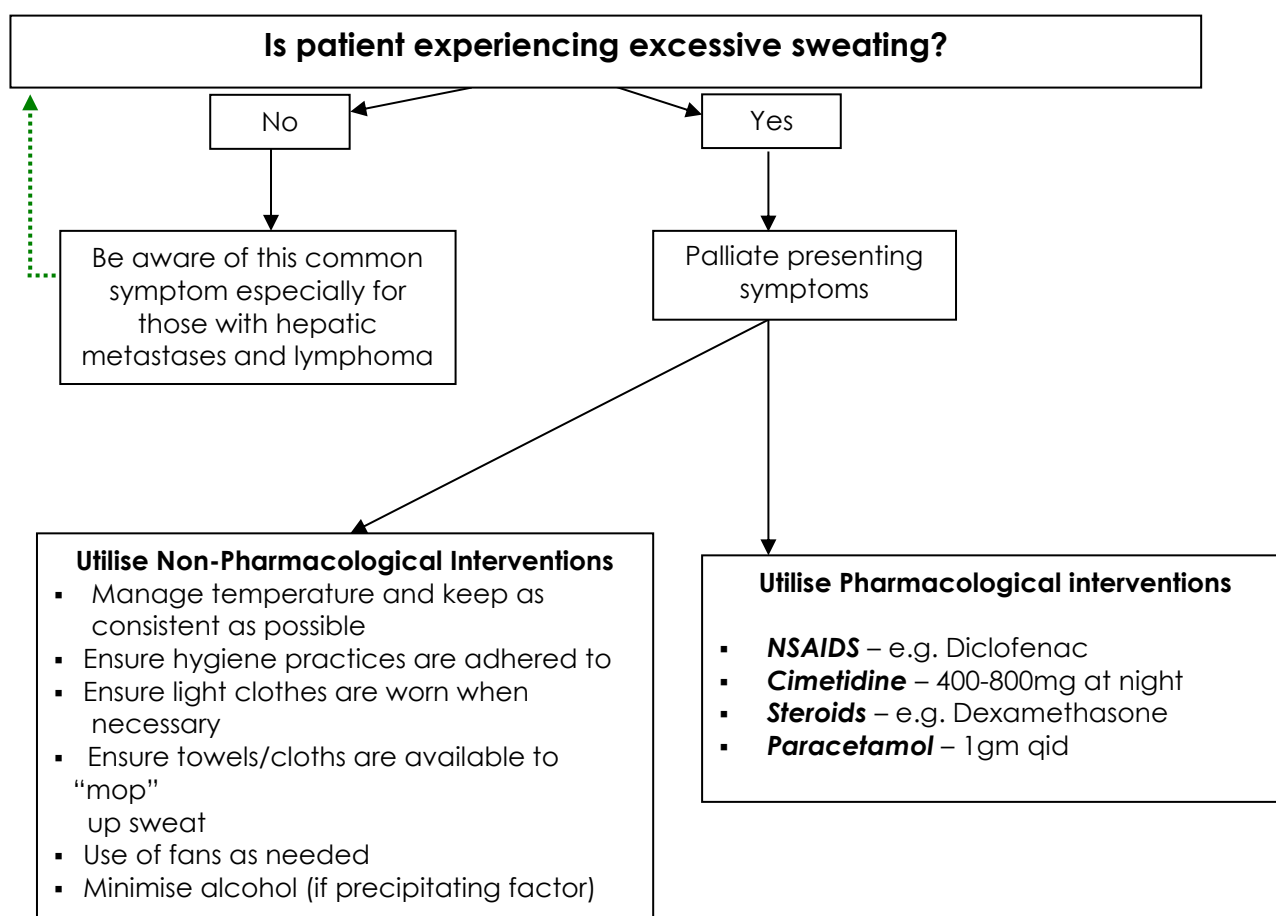
**Causes include:** environmental temperature changes, emotion, lymphomas, hepatic metastases and carcinoid, intense pain, anxiety and fear, infection, drugs (alcohol, tricyclic antidepressants and opioids)

### Holistic Reflection

**Emotional Considerations:** What does this symptom mean for the family/whānau?

**Spiritual Considerations:** Is there any considerations that need to be taken into account around this time? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this symptom affect family/whānau staying close by?



**Please contact your local Palliative Care Service, if you have any concerns or require further information** (page 9)

## Wound Management

**Wounds** and their management are an integral part of holistic care. They are a result of impairment of the skin integument that is not healed or not healing

**Symptoms include:** a wound/ulcer that has not healed. Odour and exudate are the main manifestations of this symptom

**Causes include:** primary skin tumour, invasion of nearby tissue by tumour, metastatic involvement, anaerobic activity within a cavity, erosion of blood vessels as the wound enlarges

### Holistic Reflection

**Emotional Considerations:** What does this symptom mean for the family/whānau?

**Spiritual Considerations:** Is there any considerations that need to be taken into account around this time? How does this affect the person, their perception of self, their body image and their lifestyle?

**Social Considerations:** How does this symptom affect family/whānau staying close by?

For in-depth information regarding management of wounds go to

**"Guidelines for Wound Management in Palliative Care"** by W. Naylor

<https://www.nzwcs.org.nz/images/publications/woundmanagementguidelines-text.pdf>

### Also consider topical agents for use:

- Malodorous Wounds - Metronidazole 2%w/w cream
- Painful dressing changes - Morphine 5mg in 5ml Intracite gel  
(these are dispensed separately and combined at the time of dressing change)

# Managing CNS Issues

## Anxiety and Fear

**Anxiety and Fear:** is a common symptom of excessive uneasiness and being afraid and frightened

**Symptoms include:** inability to relax, expressing feelings of anxiousness, isolating behaviours

**Causes include:** medical condition (e.g. delirium, depression, hormone secreting tumour), drug reaction (steroids, bronchodilators), may be a symptom of an impending medical catastrophe, learned phobic reaction (e.g. to needles, chemotherapy, death)

## Holistic Reflection

**PQRSTU assessment:** Consider this framework as a tool to assess the symptom holistically.

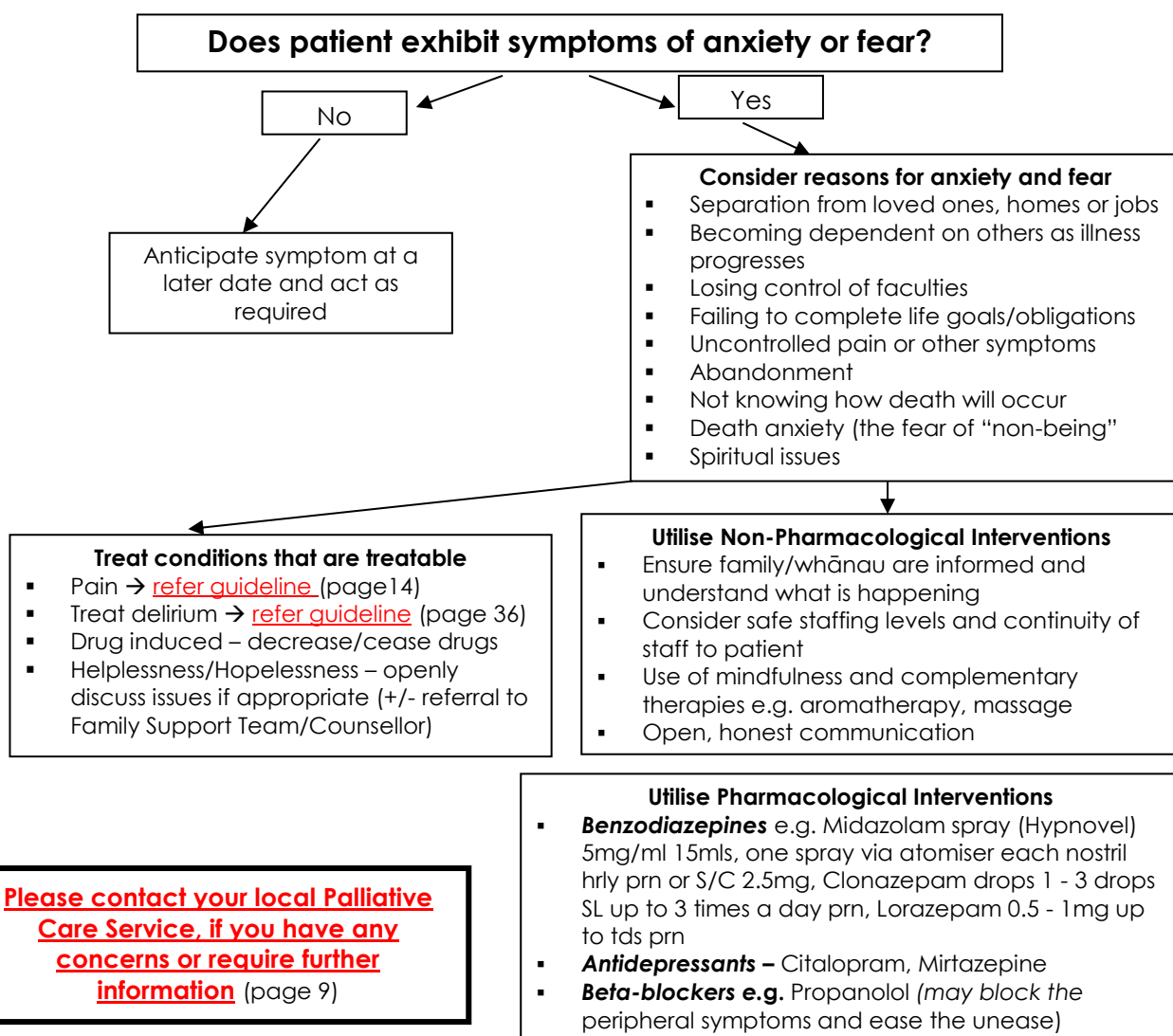
[See PQRSTU guidelines \(page 58\)](#)

**Emotional Considerations:** How can emotional issues be identified and addressed at this time? Is there time to address these prior to death?

**Spiritual Considerations:** How can feelings of hopelessness and helplessness (by patient/family/whānau) be addressed? Would the patient like to see/benefit from a chaplain visiting? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** Is the patient safe where they are at the moment? Can they remain there until they die? What other support does the family/whānau need at this time?

**Physical Considerations:** How can we make this person safe? How is this symptom affecting physical needs for this person?



## Delirium

**Delirium is:** "a reversible toxic state"

**Symptoms include:** disorientation, fear and dysphoria, memory impairment, reduced attention span, hyperactive, hypoactive, reversal of sleep-wake cycle, perceptual disturbances, disorganised thinking, dysgraphia, and sundowner effect

### Causes:

Drugs  
Severe Anaemia  
Cerebral Haemorrhage

Infection  
Metabolic disturbances  
Vitamin Deficiency  
Epilepsy – postictal

Organ Failure  
Hypoxia  
Cerebral Metastases

### Aggravating factors:

Dementia  
Fatigue  
Change of environment

Pain  
Urinary Retention  
Unfamiliar excessive stimuli

Constipation

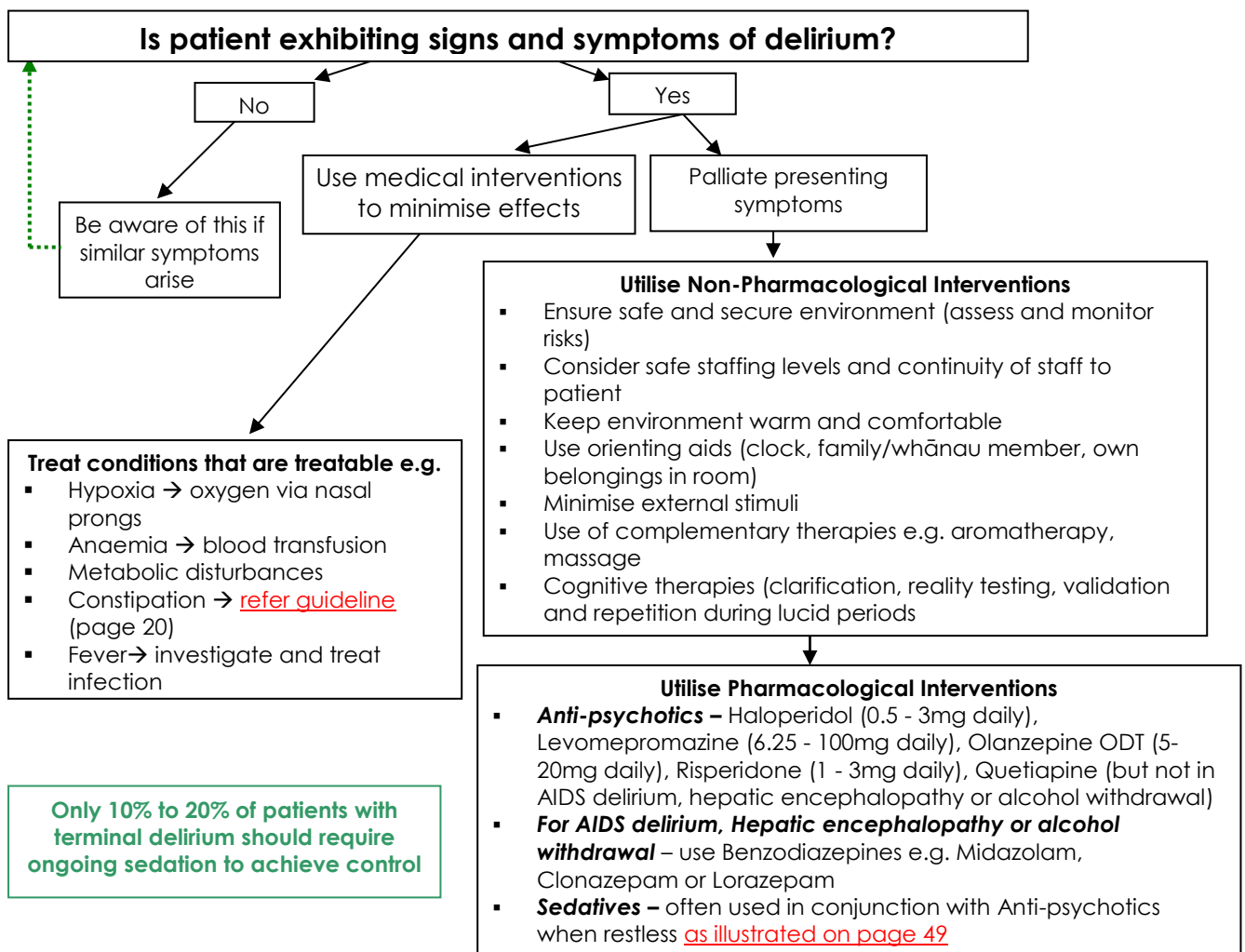
## Holistic Reflection

**Emotional Considerations:** How does this diagnosis affect the family/whānau? Is there any perception or understanding of this diagnosis?

**Spiritual Considerations:** How does this affect the person, their family/whānau and their lifestyle?

**Social Considerations:** How does this diagnosis impacts on the remainder of their life?

**Physical Considerations:** How can we make this person safe? How is this symptom affecting physical needs for this person?



**[Please contact your local Palliative Care Service, if you have any concerns or require further information](#)** (page 9)

# Managing Social Issues

## Discharge Planning

Discharge planning (or lack of) from one facility to another/home can be the difference between a smooth transition and a complicated one. Complicated transitions often increase the anxiety and stress for the patient and their families/whānau as well as colleagues due to things often being left undone or not considered at all. Discharge planning involves **ALL** involved in someone's care and helps to ensure that all necessary requirements are in place at the time of discharge.

This includes:

- Communication between **ALL** providers involved in patient care (e.g. General Practitioners, District Nurses, Outreach Nurses) as well as the patient and their family/whānau
- The delivery of (or access to) necessary equipment
- The preparation of necessary scripts (ensuring that immediate medications are on hand if needed) and a decision on who is responsible for future scripts, ideally this should be the General Practitioner
- Information related to troubleshooting different situations which may arise, e.g. medication management for distressing symptoms, who to contact if/when

## Equipment

Each of the Hospices has loan equipment that can be utilised when caring for palliative patients. For some pieces of equipment a hire fee may be charged and there may be a cost for delivery/retrieval. Phone your local specialist palliative care team for further information and to discuss your needs. [Hospices of Northland Contacts](#) (page 9).

Some of the equipment that is available is:

- Electric beds
- Pressure relief mattresses
- Alternating Air Pressure mattresses
- Syringe Drivers
- Wheelchairs
- Commodes, over toilet chairs
- Shower chairs

## Home Help/Personal Care

The District Health Board contracts various local home support services to provide in home assistance with housework and personal care. [Please contact your local palliative care service](#) if this is required.

## Long Term At-Home Support

For some families, long term care at home is a preferred option. This option is NOT provided by the District Health Board or Hospice. This type of care will need to be paid for privately by the patient or family/whānau. [Please contact your local palliative care service](#) if this is required.

### **Placement to a Long Term Facility**

The process of placement of a palliative patient is one that requires assessment, co-ordination and communication. [Please contact your local palliative care service](#) if this is required.

### **Support for Family/Whānau/Carer**

There is different pre-bereavement support for family/whānau within Northland depending on where people live. If you feel your patient and family/whānau could benefit from this type of support, please contact a member of the Specialist Team to discuss this further. [Please contact your local palliative care service](#) if this is required.

### **Volunteer Support**

Volunteer support can be invaluable when caring for people during the palliative stage of their life. If you feel your patient and family/whānau could benefit from this type of support, please contact a member of the Specialist Team to discuss this further. [Please contact your local palliative care service](#) if this is required.

### **Nutritional Support**

In palliative care it is rare that intravenous fluids and nasogastric tubes are required. Treatment centres on minimising discomfort from symptoms in an active and yet as free from medical technology and tubes as possible. Patients and their family/whānau must always be fully informed to make the decision that is right for them.

### **Pharmacist Support**

North Haven Hospice contracts the services of a local Pharmacist to provide specialist pharmacist support. Should you have any concerns or queries of a pharmacological nature [please contact your local palliative care service](#).

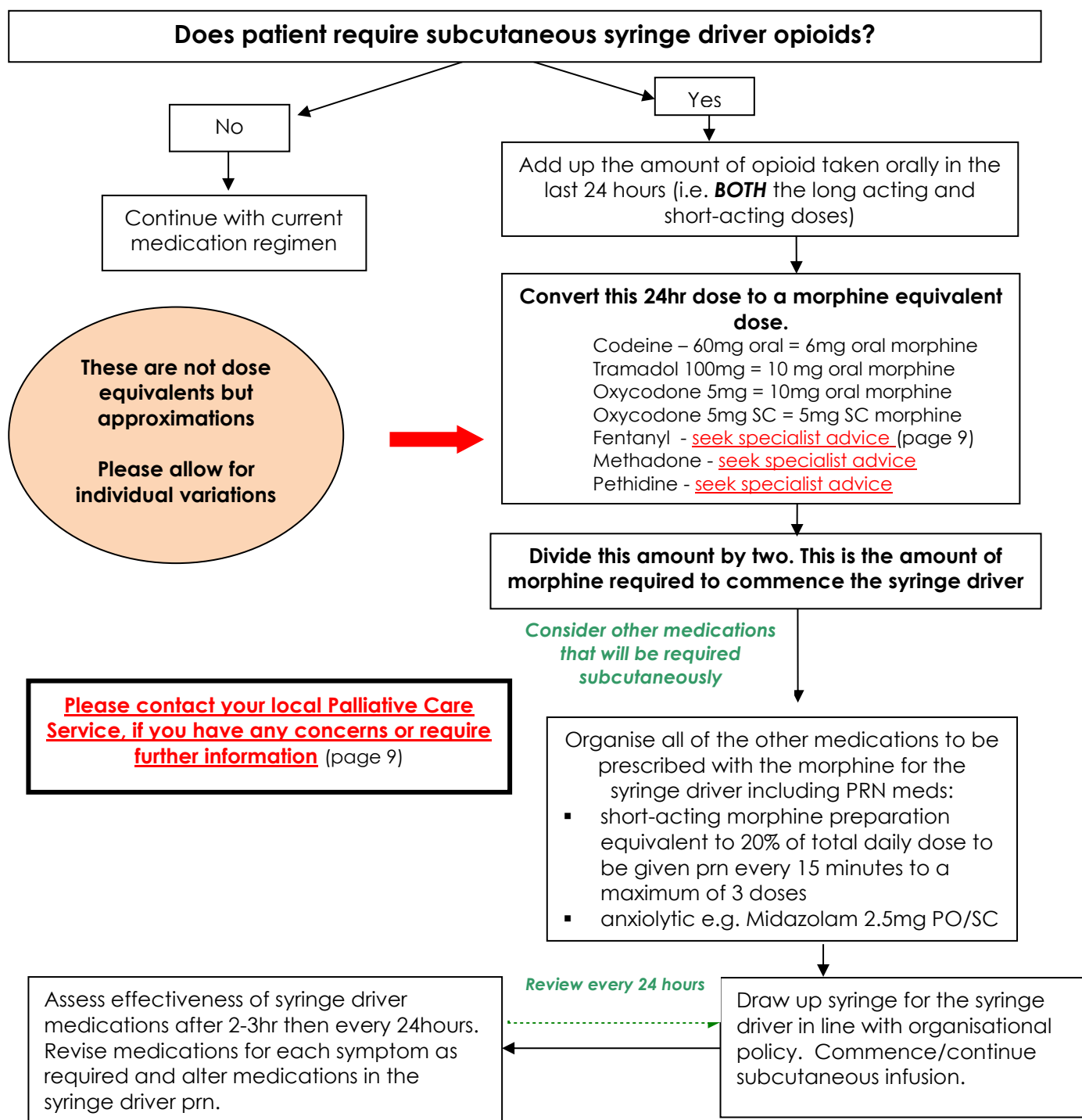
# Syringe Driver Management

## Commencing Subcutaneous Syringe Driver Medications

A Syringe Driver is a battery powered device that administers drugs subcutaneously over a chosen period of time. In Northland the T34 Syringe Driver is used. It is advisable that nurses and carers who are working with syringe drivers have gained competency after attending and updating their knowledge via the Hospice New Zealand syringe driver competency programme.

Details of training can be accessed via [www.northhavenhospice.org.nz](http://www.northhavenhospice.org.nz) and <https://www.hospicemn.org.nz/>

The initial programme is 2-3 hours long and comprises of theory and practical training. Annually thereafter an hour update session is recommended to maintain competency.



## Choice of Drugs for Use in Syringe Drivers/Continuous Subcutaneous Infusions (CSCI)

**MORPHINE NOTE:** Parenteral Morphine is 2x as strong as oral Morphine  
If pain not controlled on oral medication, consider increasing the oral dose by 30-50% when converting to subcutaneous and convert to a subcutaneous dose from this dose

DRUG - usual dose ranges quoted	USE	STAT DOSE	S/C DOSE OVER 24 HRS
<b>CYCLIZINE (Valoid™)</b> (Antihistamine)  <b>50mg/ml injection</b>	Antiemetic, centrally acting on vomiting centre Good for nausea associated with bowel obstruction or increased intracranial pressure Dilute with water	50mg	100-150mg
<b>HALOPERIDOL (Serenace™)</b> (Neuroleptic)  <b>5mg/ml injection</b>	Antiemetic – good for chemically induced nausea  <hr/> Delirium	0.5 -1.5mg  <hr/> 0.5-1.5mg	1– 3mg  <hr/> 1-3mg
<b>METOCLOPRAMIDE (Maxolon™)</b>  <b>10mg in 2ml injection</b>	Antiemetic (1) prokinetic (accelerates GI transit) (2) centrally acting on chemo-receptor trigger zone (CTZ), blocking transmission to vomiting centre.  <b>NOTE:</b> Don't use in combination with HYOSCINE	10mg	30-60mg
<b>LEVOMEPRMAZINE (Nozinan™)</b>  <b>25mg/ml injection</b>	Broad spectrum antiemetic, works on CTZ and vomiting centre (at lower doses)  <hr/> Delirium	5 - 6.25mg  <hr/> 12.5-25mg	5-25mg  <hr/> 12.5-200mg
<b>MIDAZOLAM (Hypnovel™)</b> (Benzodiazepine)  <b>15mg in 3ml</b>	Sedative/anxiolytic (terminal agitation), anticonvulsant, muscle relaxant, controls myoclonus	2.5-10mg	5-60mg
<b>HYOSCINE BUTYLBROMIDE (Buscopan™)</b> (Antimuscarinic)  <b>20mg /ml injection</b>	Antisecretory and antispasmodic properties. Useful in reducing respiratory tract secretions  Less sedating than HYOSCINE HYDROBROMIDE	20mg	40-100mg
<b>HYOSCINE HYDROBROMIDE (Hyoscine™)</b> (Antimuscarinic) <b>0.4mg/ml injection</b>	Antisecretory and antispasmodic properties Useful in reducing respiratory tract secretions	400mcg	400mcg-2.4mg

To see if the drugs you wish to give are compatible, check the [Syringe Driver Compatibility Chart](#) (Appendix Three page 60)

**Please contact your local Palliative Care Service, if you have any concerns or require further information** (page 9)



## Managing Care at End of Life (Te Ara Whakapiri resources)

The same principles are applicable to the end of life care for **ALL** patients regardless if they are dying from cancer or a non-malignant disease/condition. End of Life/Terminal Cares begin when a diagnosis of dying is confirmed – preferably by a Multidisciplinary Team.

### Recognise that Death is approaching

Patients entering the dying phase will manifest some if not all of the following:

1. Profound weakness - usually bedbound
2. Drowsy or reduced cognition - semi-comatose
3. Diminished intake of food and fluids - only able to take sips of fluid
4. Difficulty in swallowing medication - no longer able to take tablets

## Treatment of Symptoms

The prime aim of all treatment at this stage is the control of symptoms current and potential while being aware of the patient and family/ whānau priorities. It is essential that all changes that you are observing in the patient and that are being considered medically are be communicated with the patient and family. Discussing what you think might occur is paramount in the family being prepared for this last phase. Taking into considerations different cultural norms, it important to inform the family that there is a belief that the patient is dying.

Please remember to treat each patient with individual consideration based on patient priorities and need. There is no one right “pathway” but there are common things to consider.

Don't forget basic care response to environment, positioning and elimination (a full bladder is very uncomfortable). It is important that this is done as a team, all agreeing that this is the most appropriate course in care. Avoid conflicting information being given to patient and families/whānau.

- **Discontinue** - any medication which is not essential
 

e.g. anti-hypertensives	long term antibiotics	steroids
replacement hormones	anti-arrhythmics	anti-coagulants
vitamins and iron	diuretics	hypoglycaemics
- **Prescribe** - medication necessary to control current distressing symptoms
- **PRNS** - All patients who are dying would benefit from having medication prescribed IN CASE distressing symptoms develop. Make sure that the PRN medication reflect what is being regularly administered
- **Route** - Consider the most appropriate route of delivery- subcutaneously, buccally, rectally etc.
- **Review** - All medication needs should be reviewed at least every 24hrs

**Note:** Not everyone who is dying requires a CSCI (Continuous Subcutaneous Infusion) but **if two or more doses of PRN medication have been required in 24 hours, then consider the use of a CSCI.**

## End of Life Care for those with Dementia

**Dementia is:** a life limiting syndrome which affects the “brain resulting in global impairment of every aspect of the intellect, memory and personality without an alteration of consciousness.”

(L. Badenhorst, n.d.)

**Symptoms:** Memory loss, difficulty performing familiar tasks, problems with language, disorientation to time and place, poor or decreased judgement, problems with abstract thinking, misplacing things, changes in mood and behaviour, changes in personality, loss of initiative. (Alzheimer's Association)

**Causes include:** nil concrete causes known

### Holistic Reflection

**Emotional Considerations:** What does this condition mean for the family/whānau?

**Spiritual Considerations:** Are there any considerations that need to be taken into account around this time? What things are left to do that need addressing at this time? Fluctuating levels of cognition can make issues difficult to deal with. Opportunities should be taken to clarify wishes, provide reassurance during these lucid times. How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this symptom affect your relationship with family/whānau? How will they manage this condition?

Often patients may express symptoms in different ways such as:

- Vocal responses (crying, moaning, laughing)
- Adaptive behaviour (rubbing of the affected area, avoiding certain movements, keeping area still)
- Self-distracting behaviour (rocking, pacing, biting hand, gesturing)
- Facial expressions (grimacing)
- Withdrawal, low mood
- Refusing to eat or drink
- Sleep disturbance
- Hyperactive behaviour/ Self-injurious behaviour

### Management Considerations

- Communication - speak in clear, simple manner using gestures to supplement
- Do not argue with validity of delusions – try to understand feelings being indirectly expressed
- The use of gentle touch and calming words to calm patient
- Distraction and diversion techniques as required
- Ensure patient environment is safe for them to be independent in/around
- Structure the environment to enhance familiarity (keep to a daily routine, use of labels for rooms/spaces/photos and memory (e.g. clocks, calendars)
- Use of music
- Pet therapy
- Aromatherapy (WDHB RACIP Guidelines, 2<sup>nd</sup> edition, 2012)
- Assess and treat pain – refer to [guideline](#) (page 14)
- Confusion/ delirium- refer to [guidelines on psychological issues](#) (page 36)

## End of Life Renal Failure

**Renal Failure:** occurs when the kidneys are no longer able to sustain their normal bodily functions

**Symptoms:** oedema (from sodium and water retention), restless legs, itch (from raised urea or phosphate), nausea and vomiting, confusion or delirium, (from increased toxins), fatigue (from anaemia), possibility of seizures

**Causes include:** chronic (multiple causes), acute (obstruction, drug induced)

### Holistic Reflection

**PQRSTU assessment:** Consider this framework as a tool to assess the symptom holistically.

[See PQRSTU guidelines \(page 57\)](#)

**Emotional Considerations:** What does this symptom mean for the family/whānau?

**Spiritual Considerations:** Are there any considerations that need to be taken into account around this time? What things are left to do that need addressing at this time? Fluctuating levels of cognition can make issues difficult to deal with. Opportunities should be taken to clarify wishes, provide reassurance during these lucid times. How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this symptom affect your relationship with family/whānau? How will they manage this symptom?

## Management Considerations

- Nausea and Vomiting – [refer to guideline](#) (page 27)
- Confusion/ delirium – [refer to guidelines on psychological issues](#) (page 36)
- Breathlessness – [refer to guideline](#) (page 28)
- Pain – [refer to pain guideline](#) (page 14)
  - BUT remember:**
    - As the kidneys fail, the creatinine plasma concentrations will rise – this is important for drugs whose metabolites are renally cleared. These drugs need to be reviewed, ceased or given at a smaller dose dependent on creatinine clearance  
[The Palliative Care Handbook \(McLeod, Vella-Brincat, MacLeod\) p53.](#)
    - Morphine's metabolite is renally cleared so **use methadone or fentanyl instead**
    - NSAIDS increase sodium and water retention and are nephrotoxic and so if urea is raised there is an increased risk of GI bleed.
- Itch – [refer to guideline](#) (page 32)

**Note:** Preparation and anticipation of possible issues reduces anxiety for the patient and family/whānau. Discuss the possible pathway with the level of information determined by patient and family/whānau.

## End of Life Liver Failure

**Liver Failure:** occurs when the liver is no longer able to sustain its normal bodily function

**Symptoms include:** raised liver enzymes, jaundice, ascites, itch, encephalopathy, low albumin and raised INR

**Causes include:** liver metastases, previous raised alcohol intake, drugs, infections,

### Holistic Reflection

**Emotional Considerations:** What does this symptom mean for the family/whānau?

**Spiritual Considerations:** Are there any considerations that need to be taken into account around this time? What things are left to do that need addressing at this time? How does this affect the person, their perception of self and their lifestyle?

**Social Considerations:** How does this symptom affect your relationship with family/whānau? How will they manage this symptom?

## Management Considerations

- Liver failure affects metabolism of drugs cleared from the body via the liver
- Decrease most metabolised drug doses by 25%
- For drugs that are highly dependent on the flow of blood; decrease drug dosage by 50%

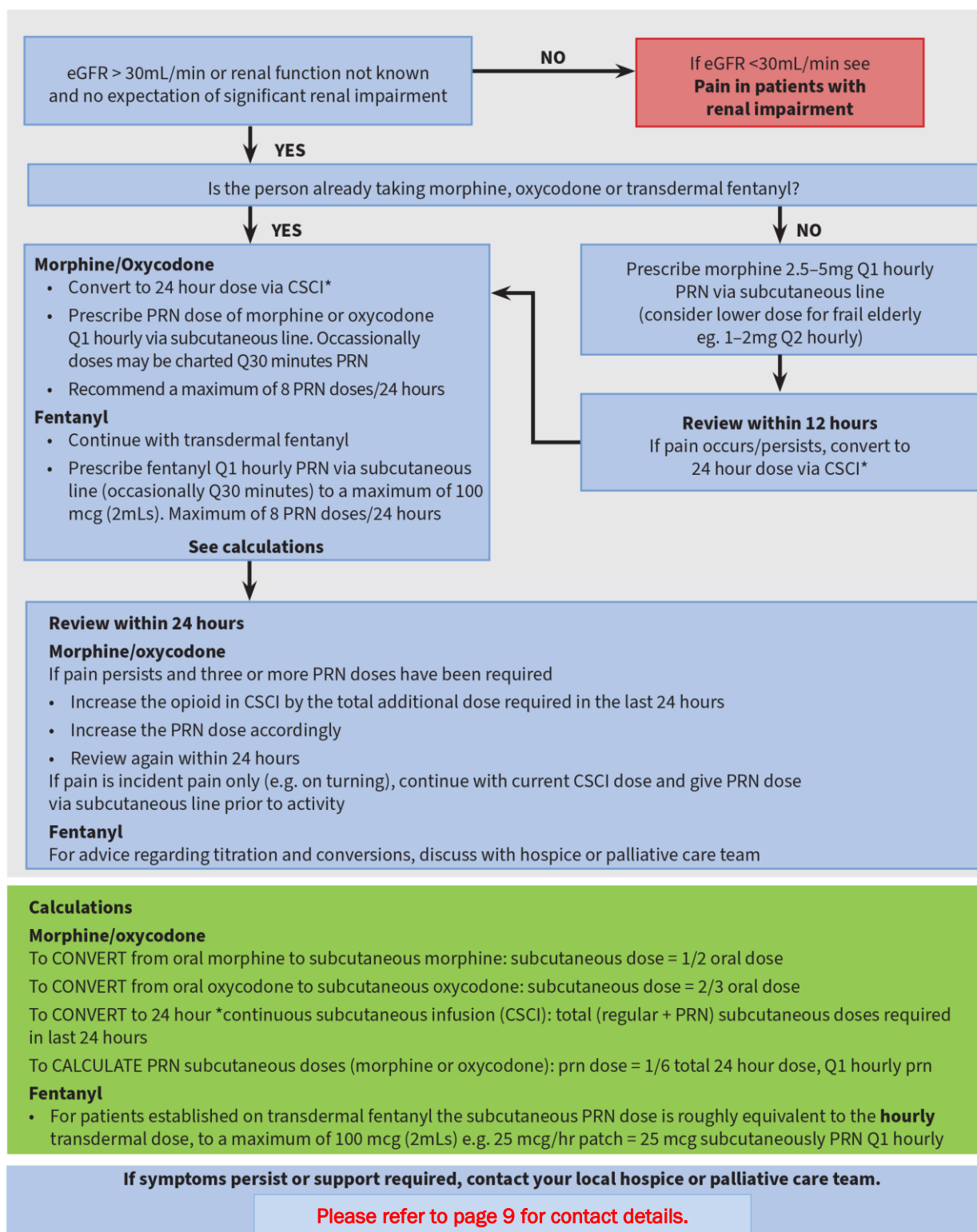
e.g.

- Phenothiazines e.g. Prochlorperazine
- SSRI's e.g. Paroxetine
- Tricyclics e.g. Amitriptyline
- Some opioids e.g. morphine

(McLeod, Vella-Brincat, MacLeod, 2012, p54).

# Pain in patients with no/limited prior pain

## Anticipatory prescribing flow chart for the last days of life



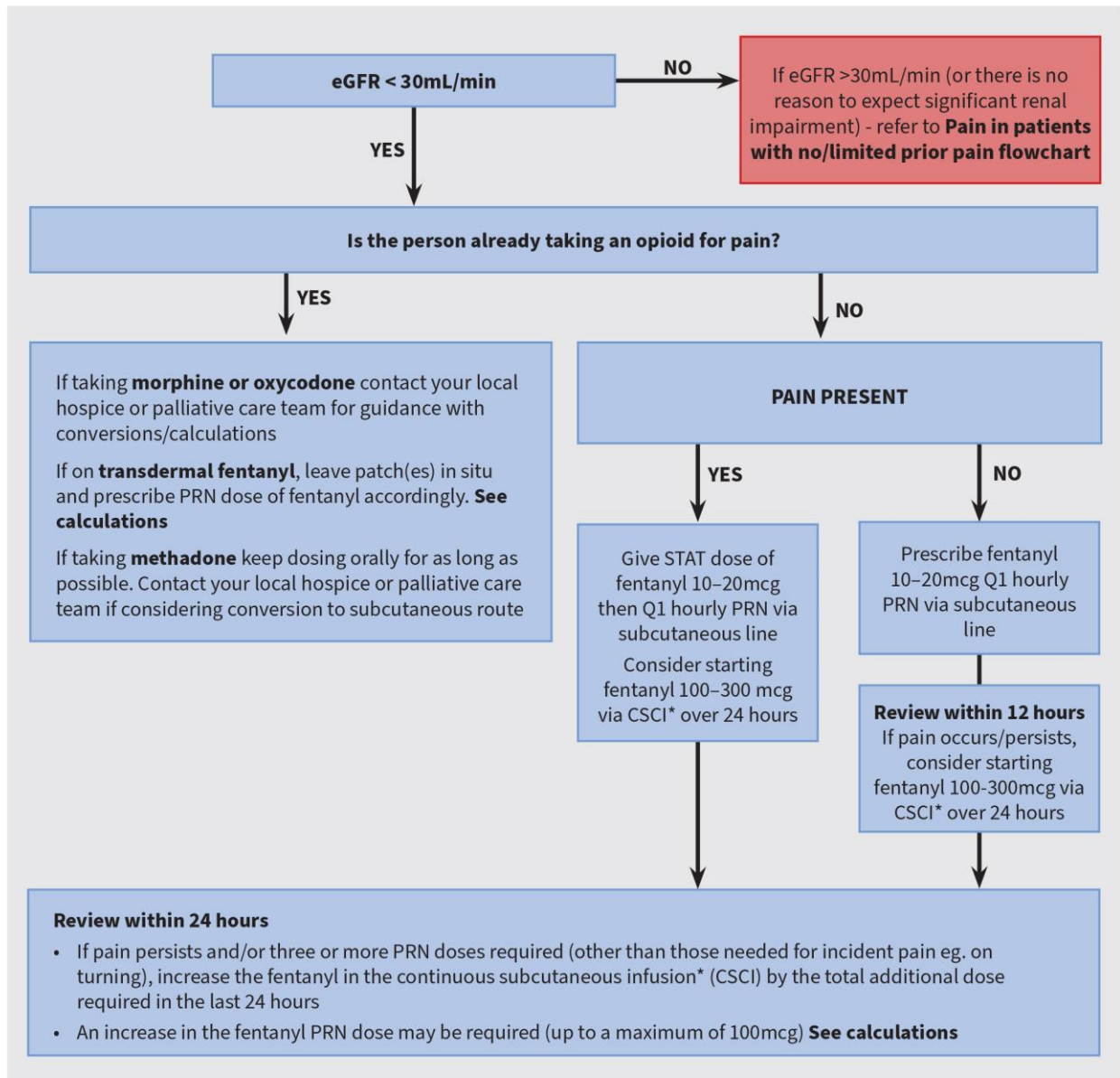
Anticipatory prescribing ensures that in the last hours and days of life there is no delay responding to a symptom if it occurs. Please refer to the Te Ara Whakapiri Holistic Considerations for further information.

Adapted from Te Ara Whakapiri, Principles and guidance for the last days of life (Ministry of Health, 2017) by the South Island Palliative Care Workstream South Island Alliance, May 2020. Review May 2022.



# Pain in patients with renal impairment

## Anticipatory prescribing flow chart for the last days of life



### Fentanyl calculations

- For patients established on transdermal fentanyl, the subcutaneous PRN dose is roughly equivalent to the **hourly** transdermal dose, to a maximum of 100 mcg (2mLs) e.g. 25 mcg/hr patch = 25 mcg subcutaneously PRN Q1 hourly
- For all other advice regarding titration and conversions, discuss with hospice or palliative care team

**If symptoms persist or support required, contact your local hospice or palliative care team.**

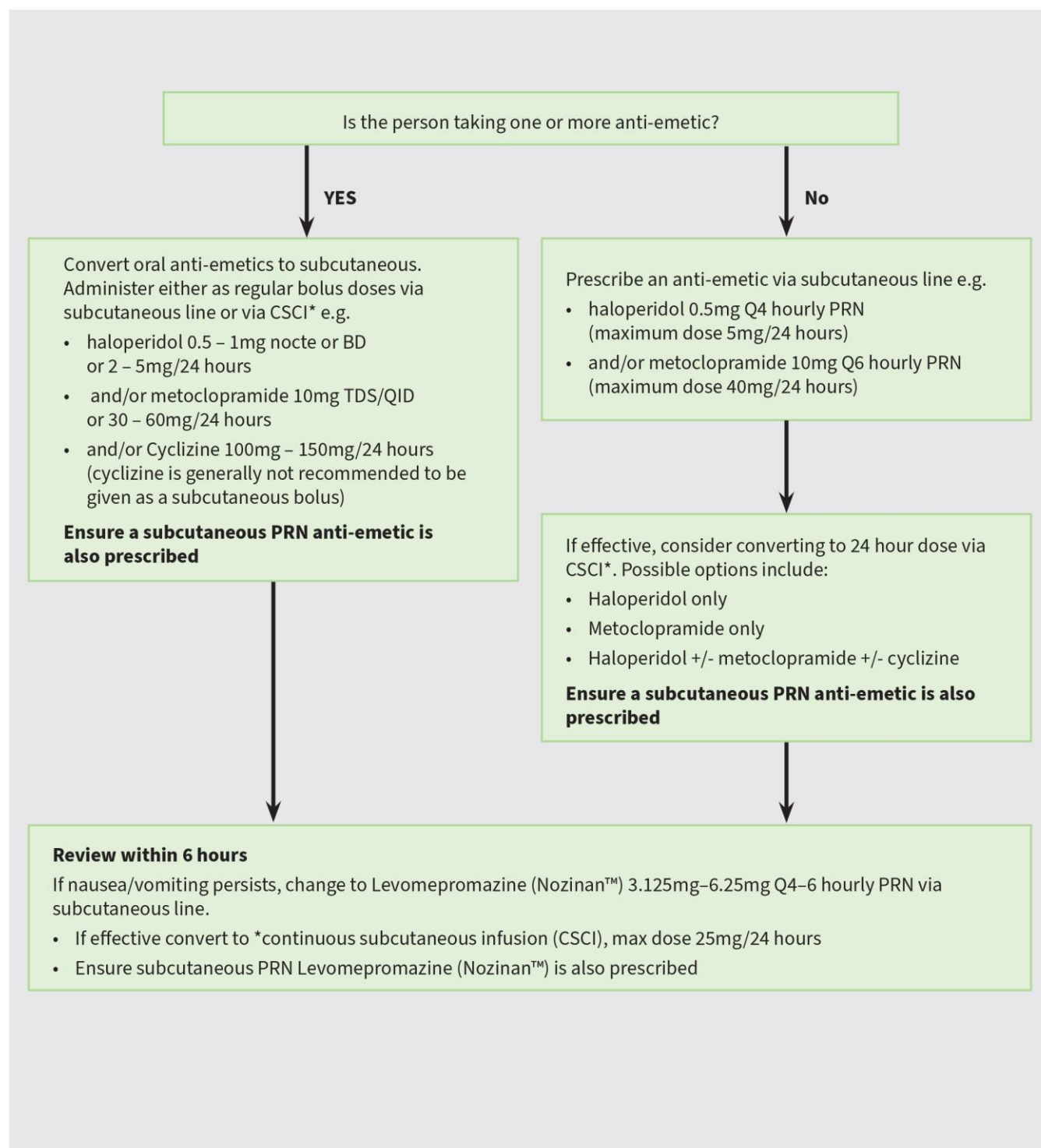
**Please refer to page 9 for contact details.**

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Adapted from Te Ara Whakapiri, Principles and guidance for the last days of life (Ministry of Health, 2017) by the South Island Palliative Care Workstream. South Island Alliance, May 2020. Review May 2022.

# Nausea/vomiting

## Anticipatory prescribing flow chart for the last days of life



**If symptoms persist or support required, contact your local hospice or palliative care team.**

**Please refer to page 9 for contact details.**

Anticipatory prescribing ensures that in the last hours and days of life there is no delay responding to a symptom if it occurs. Please refer to the Te Ara Whakapiri Holistic Considerations for further information.

# Excessive respiratory tract secretions

## Anticipatory prescribing flow chart for the last days of life



PLACE YOUR  
LOGO HERE

**IT IS IMPERATIVE THAT REPOSITIONING AND FAMILY EDUCATION/SUPPORT ARE PRIORITISED.**  
**Anti-cholinergic medication may not alleviate this symptom.**

Prescribe  
Hyoscine butylbromide (Buscopan™) 20mg  
Q2 hourly PRN via subcutaneous line (maximum of 120mg/24 hours).

**SECRETIONS PRESENT**

Consider stat dose and assess effect.

**Review within 6 hours:**

If symptoms persist and initial dose(s) were helpful, consider hyoscine butylbromide (Buscopan™) 40–80mg over 24 hours via continuous subcutaneous infusion (CSCI).  
If hyoscine butylbromide (Buscopan™) is ineffective, do not persist as it causes excessive dryness.

**If symptoms persist or support required, contact your local hospice or palliative care team.**

**Please refer to page 9 for contact details.**

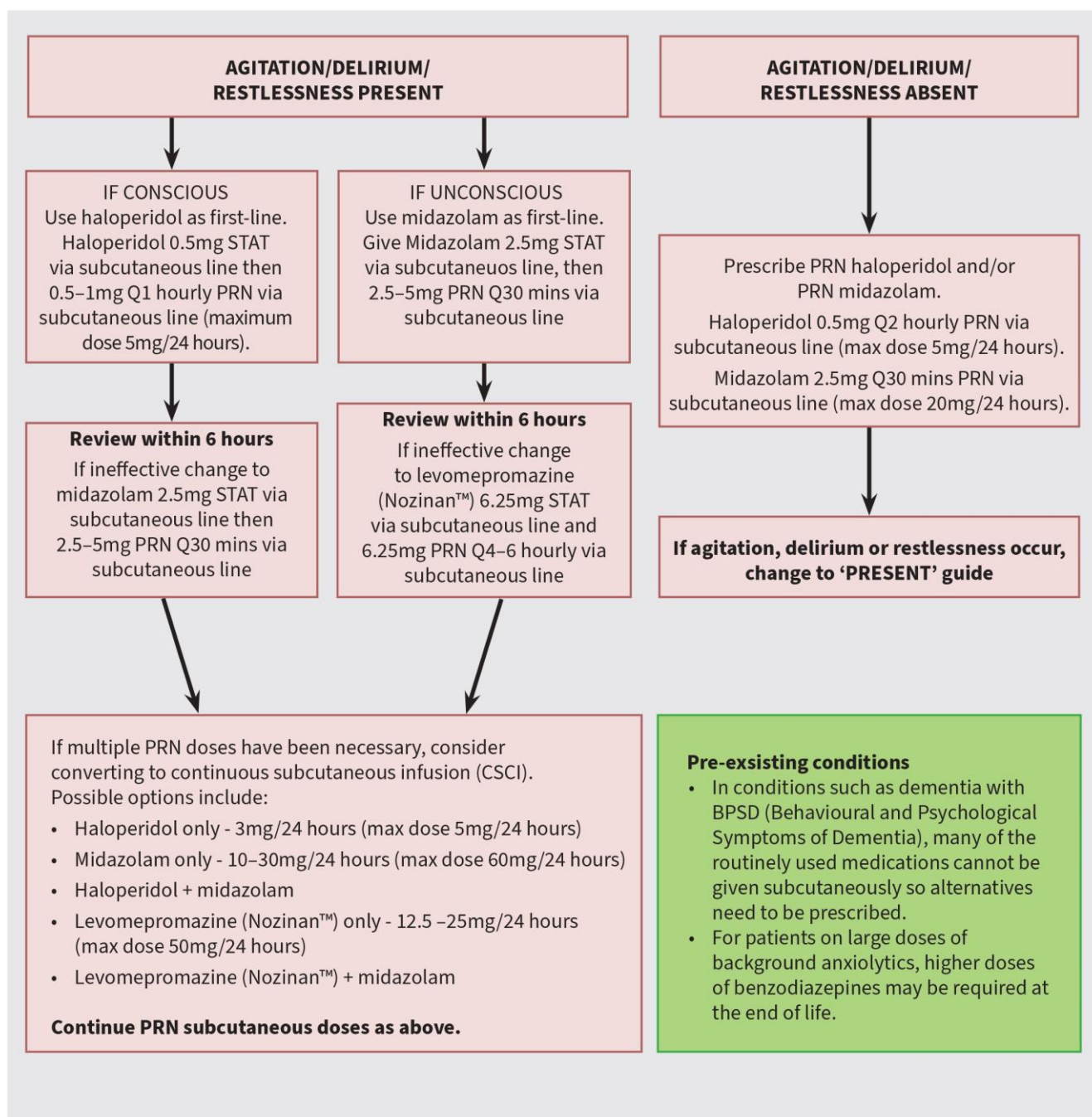
Anticipatory prescribing ensures that in the last hours and days of life there is no delay responding to a symptom if it occurs.  
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Adapted from Te Ara Whakapiri, Principles and guidance for the last days of life (Ministry of Health, 2017) by the South Island Palliative Care Workstream.  
South Island Alliance, May 2020. Review May 2022.



# Agitation, delirium and restlessness

## Anticipatory prescribing flow chart for the last days of life



**If symptoms persist or support required, contact your local hospice or palliative care team.**

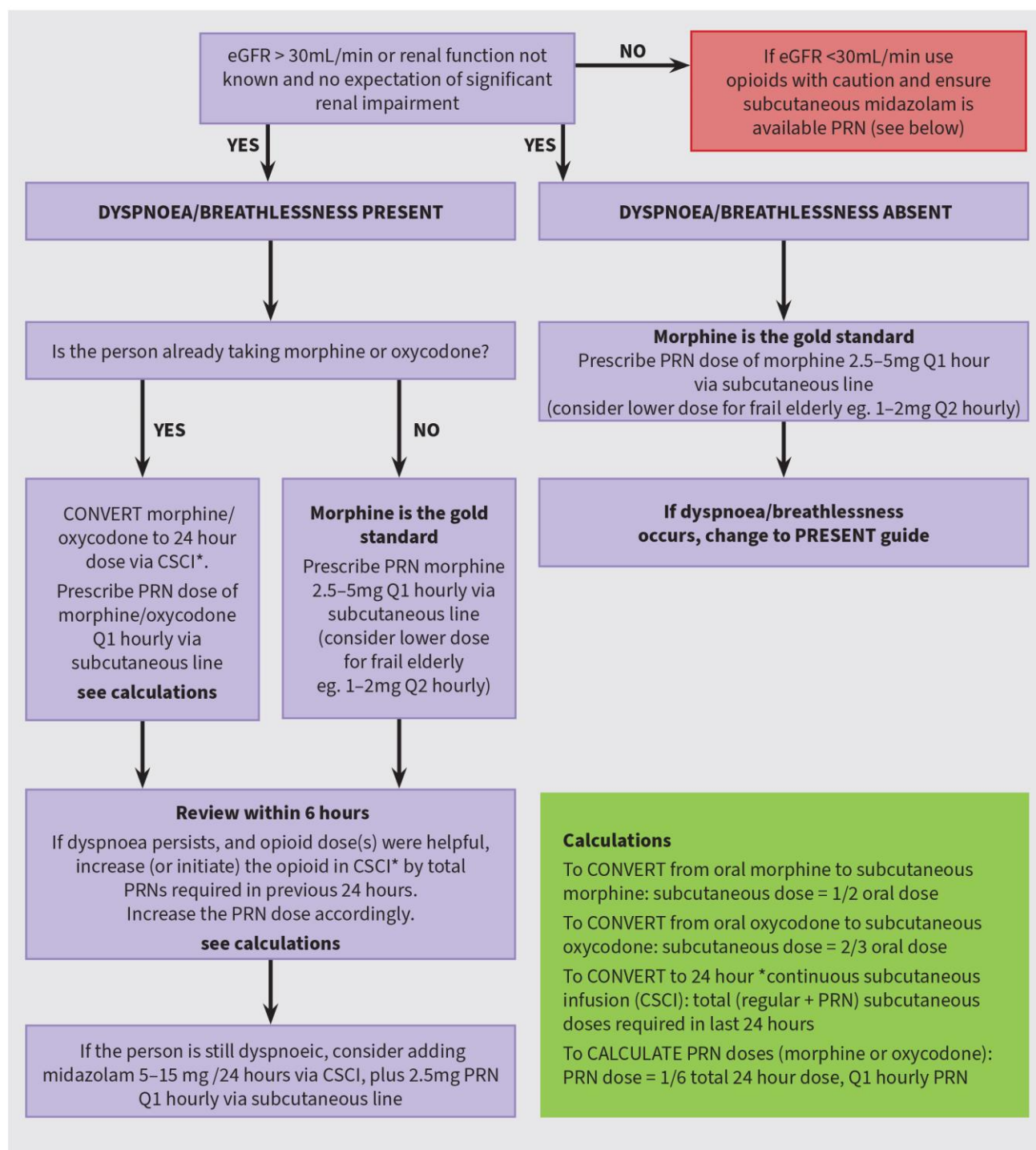
**Please refer to page 9 for contact details.**

Anticipatory prescribing ensures that in the last hours and days of life there is no delay responding to a symptom if it occurs.  
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Adapted from Te Ara Whakapiri, Principles and guidance for the last days of life (Ministry of Health, 2017) by the South Island Palliative Care Workstream.  
South Island Alliance, May 2020. Review May 2022.

# Dyspnoea/breathlessness

## Anticipatory prescribing flow chart for the last days of life



**If symptoms persist or support required, contact your local hospice or palliative care team.**

**Please refer to page 9 for contact details.**

Anticipatory prescribing ensures that in the last hours and days of life there is no delay responding to a symptom if it occurs. Please refer to the Te Ara Whakapiri Holistic Considerations for further information.

Adapted from Te Ara Whakapiri, Principles and guidance for the last days of life (Ministry of Health, 2017) by the South Island Palliative Care Workstream. South Island Alliance, May 2020. Review May 2022.

## Care Considerations for End of Life Care

Patient and family will receive optimum care and wishes will be followed, to allow a respectful and comfortable death.

ISSUE	ACTION PLAN
Documentation	Medical history is completed (is required for death certificate)
	Details regarding burial/cremation and funeral plans are documented
Ensure essential family contact details are correct	Next of Kin/Family/Whānau details updated.
	Next of Kin/Enduring Power of Attorney/Family/Whānau are notified of current condition - if not present ASAP (within 30 minutes)
Assessment of dying patient	Review patient care and complete formal assessments as appropriate
Patient wishes are documented in Care Plan under Issue: End of Life Care	Patient wishes regarding care decisions are documented See <a href="#">section on Advance Care Planning</a> (page12) and <a href="http://www.advancecareplanning.org.nz">www.advancecareplanning.org.nz</a>
	Enduring Power of Attorney is documented if known
	Preferred place of death is identified and documented
Review - Rationalisation of medication and interventions	Medication is reviewed and non-essential medications are discontinued
	Any PRN's (as required medications) are charted
	Any unnecessary interventions are discontinued e.g. blood sugar levels, blood pressure
	Any changes to medication/medical care are communicated and explained to family
Family/Whānau are informed and supported	Family/Whānau are informed regarding: <ul style="list-style-type: none"> <li>• What is happening now</li> <li>• What might happen- dying process and changes they may see</li> <li>• Impending death</li> <li>• and possible timeframes of events</li> </ul>
	Family/Whānau have any issues/concerns documented
Cultural Needs are reviewed	Any specific cultural care requirements for patient/family/whānau are identified and documented
Spiritual Needs are reviewed	Any religious care requirements/traditions are identified and documented e.g. <a href="#">Social/Emotional and Spiritual Assessment</a> Appendix Seven (page 69) Referral to Chaplain or Spiritual Care Support Worker.

ISSUE	DESIRED OUTCOME	ACTION PLAN
<b>Physical Needs</b>	Physical needs will be met to promote comfort during the dying process.	<b>PAIN</b> <ul style="list-style-type: none"> <li>Assess pain regularly and observe for subjective signs of pain e.g. frowning, wincing</li> <li>PRN medications for incident pain</li> <li>Positioning /splints/ pressure relieving mattress/monitor pressure areas</li> <li>Heat/wheatpack</li> </ul>
		<b>MANAGE BREATHING DIFFICULTIES</b> <ul style="list-style-type: none"> <li>Positioning</li> <li>Oxygen if indicated</li> <li>Normal saline via nebuliser</li> <li>Address increased secretions</li> </ul>
		<b>MANAGE SYMPTOMS OF NAUSEA/VOMITING</b> <ul style="list-style-type: none"> <li>Syringe driver prn</li> <li>Positioning</li> <li>Aromatherapy – ginger/spearmint</li> <li>Prescribe appropriate regular and prn medications and monitor effectiveness</li> </ul>
		<b>MANAGE ORAL CARES</b> <ul style="list-style-type: none"> <li>Routine/Preventative: <ul style="list-style-type: none"> <li>Oral Care at least 2hrly as tolerated</li> <li>Mouth swabs/ice chips</li> <li>Mouth moisturiser</li> <li>Remove &amp; soak dentures prn</li> <li>Lubricants to lips</li> </ul> </li> <li>Topical analgesia prn</li> </ul>
		<b>HYGIENE AND ELIMINATION</b> <ul style="list-style-type: none"> <li>Attend to hygiene needs as required. <ul style="list-style-type: none"> <li>Bed bath/ Hot towel sponge with essential oils/ Massage</li> </ul> </li> <li>Ensure cleanliness and comfort by providing bowel cares and urinary cares as appropriate</li> </ul>
<b>Spiritual Needs</b>	Spiritual support will be provided to patient and family/whānau	<ul style="list-style-type: none"> <li>Address spiritual needs, restlessness and agitation and expressed wishes</li> <li>Active, non-judgemental listening to beliefs, hopes and fears</li> <li>Time and privacy for spiritual practice and reflection, use of chapel/sacred space.</li> <li>Facilitation of religious practices</li> <li>Referral to Spiritual carer or own professional spiritual support</li> <li>Discussion of funeral planning – record specific detail in 'Planning for Future Care'</li> <li>Respect for specific practices including fasting and dietary requirements, devotional practices, respect for religious articles</li> </ul>



<b>Emotional Needs</b>	Emotional support will be provided to patient and family/whānau	<ul style="list-style-type: none"> <li>• Address emotional needs, restlessness and agitation</li> <li>• Provide information and communication to patient and family/whānau</li> <li>• Active listening, empathy, reassurance</li> <li>• Recognition of family/carer role and acknowledgement of stressors</li> <li>• Facilitate communication among patient &amp; family</li> <li>• Complementary therapies - Massage, relaxation, meditation, music</li> <li>• Communication on the dying process</li> <li>• Referral to counsellor/social worker</li> </ul>
<b>Cultural Needs</b>	Cultural needs will be met	<ul style="list-style-type: none"> <li>• Identify spokesperson</li> <li>• Provide information to patient and family/whānau and be guided by their cultural needs</li> <li>• Maori Liaison / Spiritual Advisor e.g. Karakia, assistance with end-of-life Tikanga.</li> <li>• Sensitivity and respectful inquiry – ask how we can help</li> <li>• Recognition of concerns</li> <li>• Respect &amp; regard for cultural, social and spiritual practices, traditions, values and</li> <li>• Use of professional interpreters as needed</li> <li>• Written information in required languages</li> <li>• Family meetings</li> </ul>

## Managing Palliative Emergencies

Palliative Care emergencies involve situations that can cause imminent death or result in extreme changes to the quality of the remainder of life for the patient and their family/whānau. Being aware of such emergencies and the symptoms of these possible emergencies results in proactive planning for the patient and their family/whānau.

Having the relevant drugs correctly charted and readily available for patients with the potential for an emergency will ensure any emergency is managed efficiently and effectively.

All emergencies should be considered as having a holistic impact on the patient and their family/whānau. Acting according to the advance care plan and treatment/care priorities is imperative to successful management of palliative emergencies.

### Holistic Reflection

**Emotional Considerations:** How does this diagnosis affect the family/whānau? Is there any perception or understanding of this diagnosis?

**Spiritual Considerations:** How does this affect the person, their family/whānau and their lifestyle?

**Social Considerations:** How does this diagnosis impacts on the remainder of their life?

**Physical Considerations:** How can we make this person safe? How is this symptom affecting physical needs for this person?

## Spinal Cord Compression

### Assessment of History and current findings

If the clinical history includes advancing metastatic disease (in particular cancer of lung, breast, prostate, kidney, Multiple Myeloma and Non-Hodgkins Lymphoma), consider with a high level of suspicion if the patient exhibits the following symptoms:

Pain (banded in nature in line with dermatomes)

Weakness (especially in lower limbs)

Sensory disturbance

Bladder symptoms

Bowel symptoms (constipation)

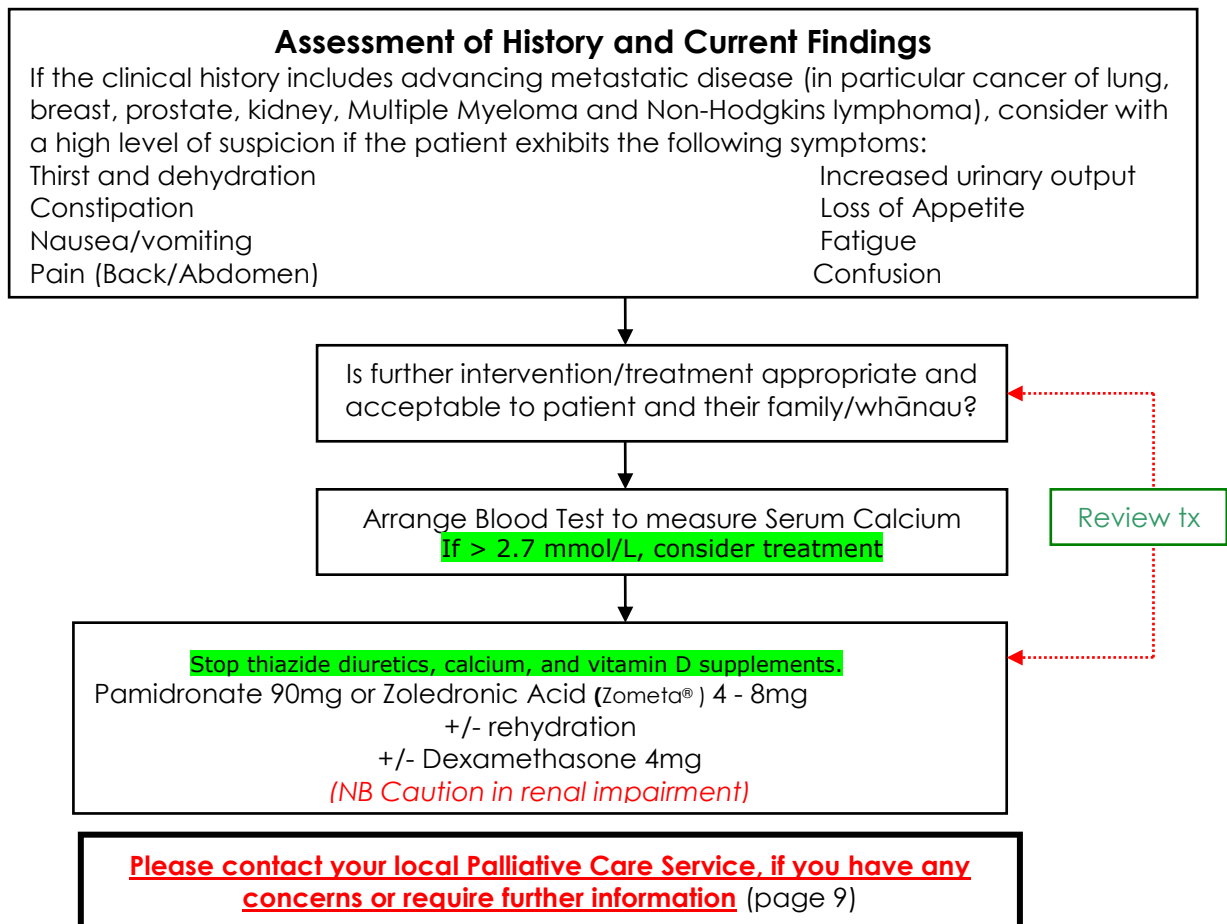
Dexamethasone 16mg PO/SC/IV

Limit mobility and urgently refer for CT Scan or MRI.

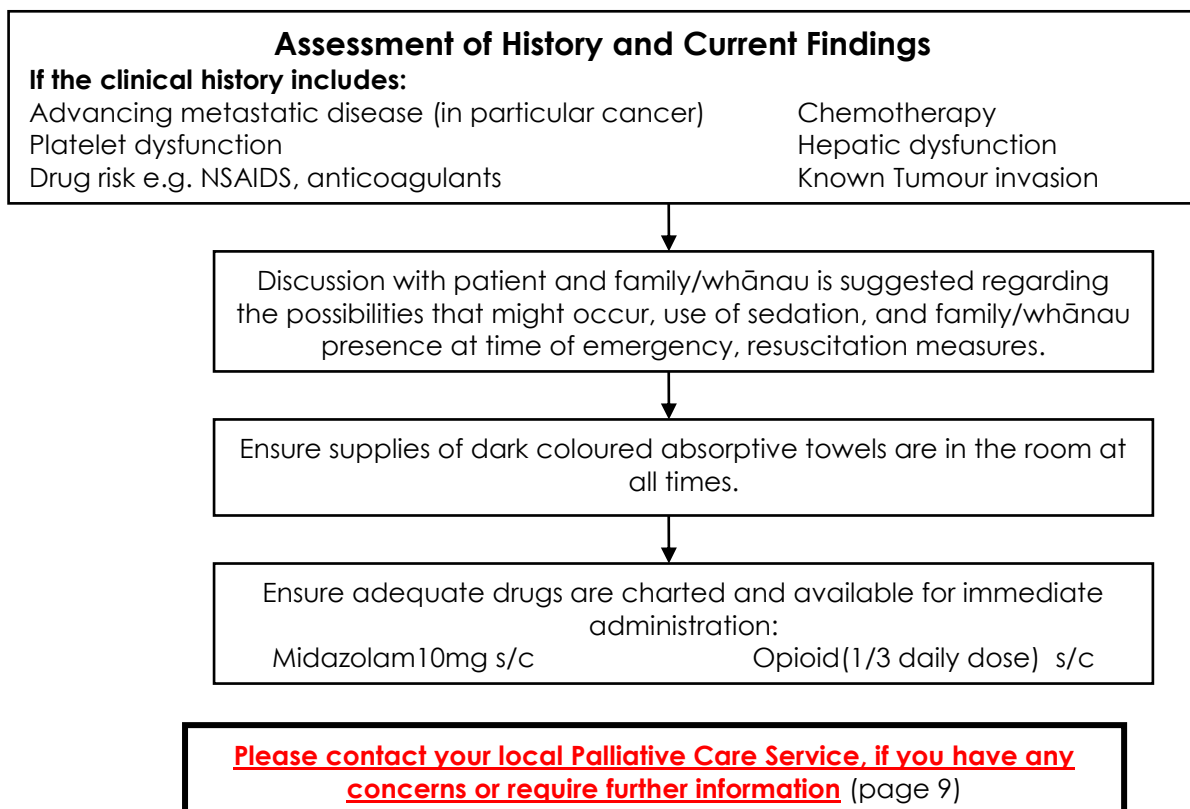
**Urgent Referral** to Radiotherapy, Chemotherapy or Surgery

**Please contact your local Palliative Care Service, if you have any concerns or require further information** (page 9)

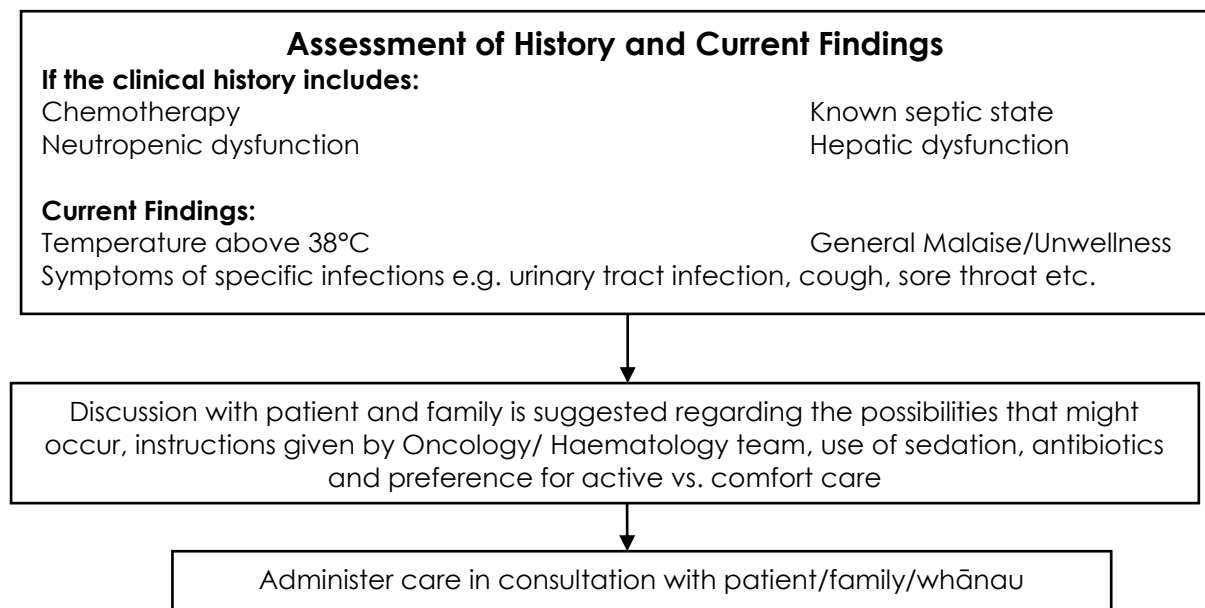
## Hypercalcaemia



## Massive Haemorrhage



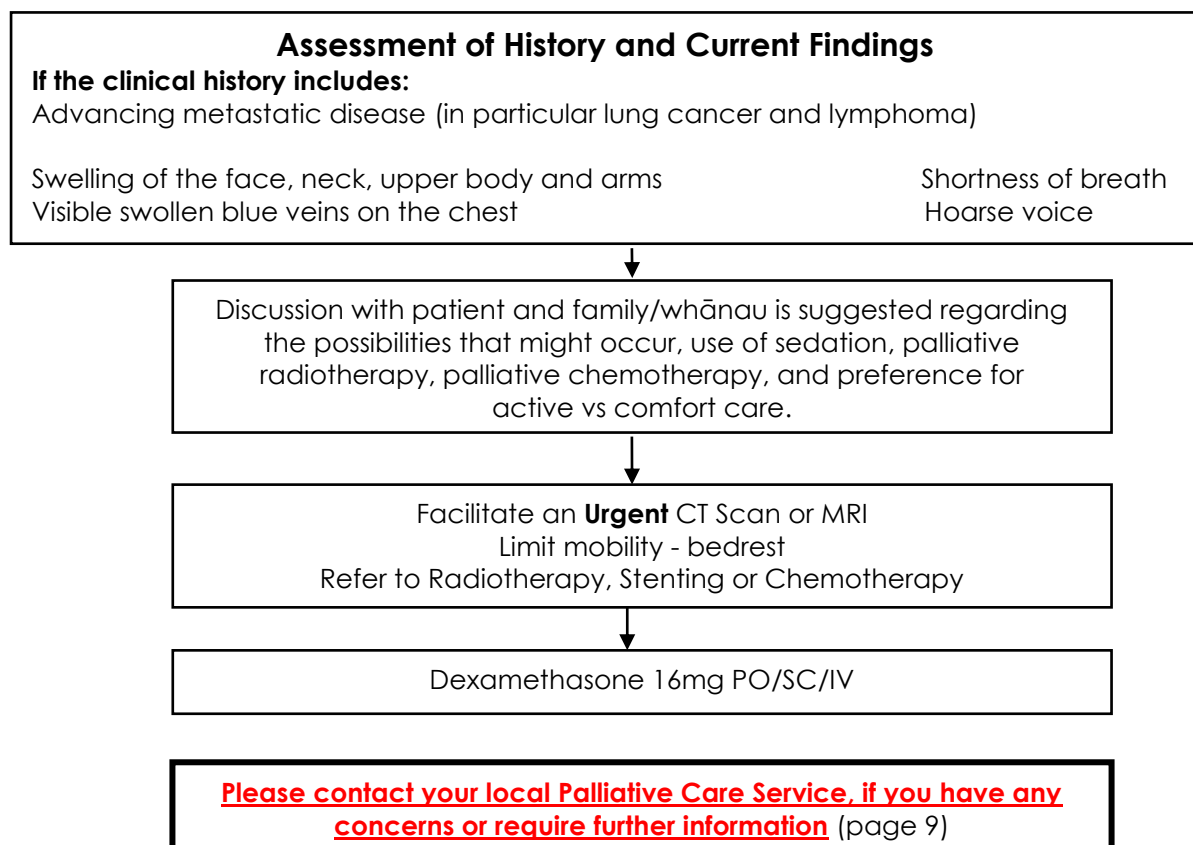
## Nutropenic Sepsis



Follow the instructions given by or contact the Oncology/Haematology team at Whangarei Hospital.

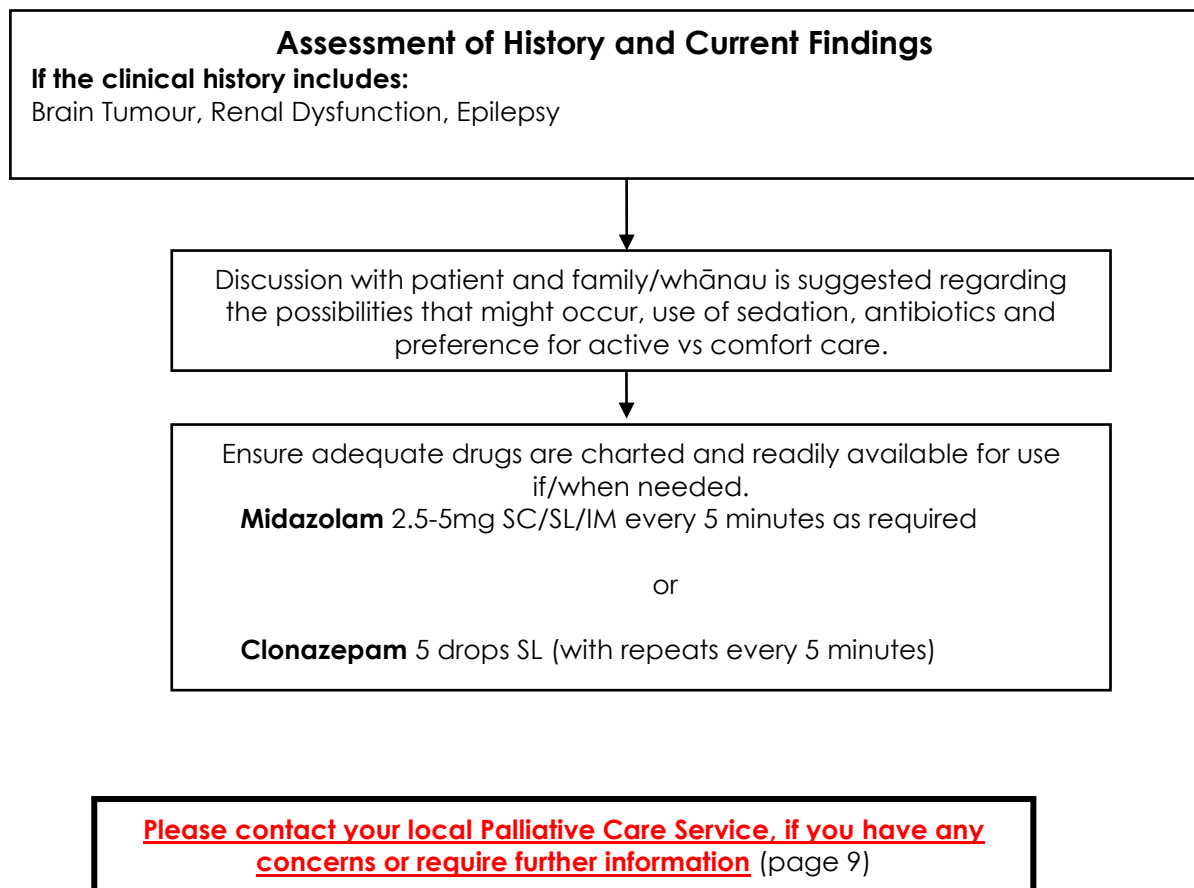
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## Superior Vena Cava Obstruction





## Seizures

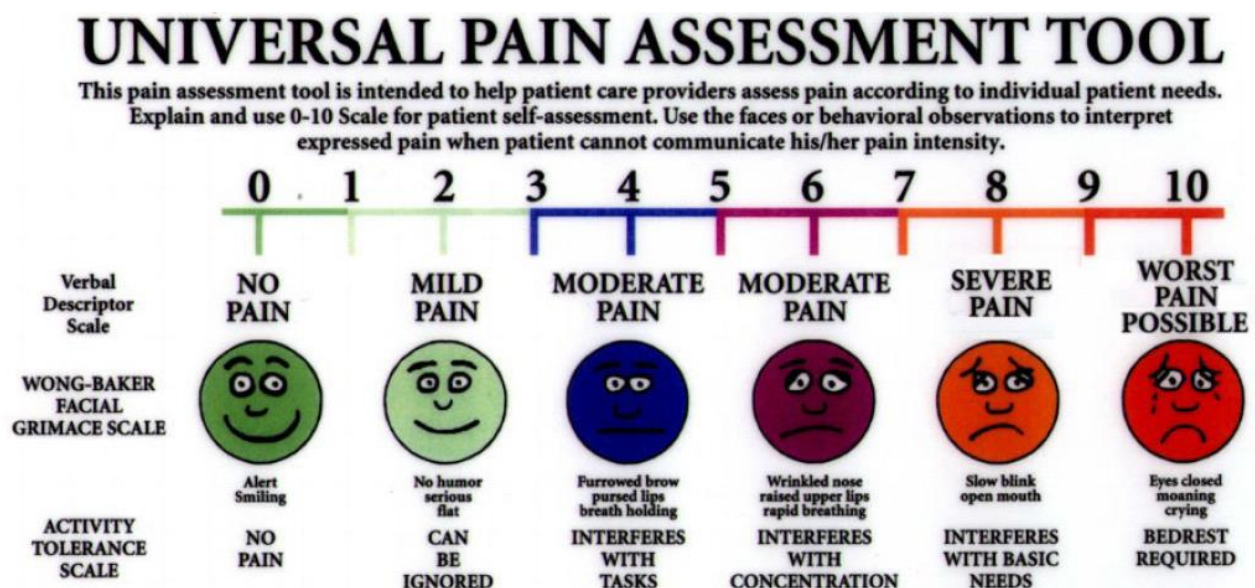


## Appendix One - PQRSTU format

Consider the following assessing their pain using the PQRST format:

<b>P</b>	Palliative factors Provoking factors	<i>"What makes it better?"</i> <i>"What makes it worse?"</i>
<b>Q</b>	Quality	<i>"What is the symptom like?"</i> <i>Give me some words that tell me about it."</i>
<b>R</b>	Radiation	<i>"Does the pain go any where else?"</i>
<b>S</b>	Severity	<i>"How severe is it?"</i> Measured on numbered scale
<b>T</b>	Time	<i>"Is this problem (with you) there all the time?"</i> <i>"Does it come and go at different times of the day?"</i>
<b>U</b>	Understanding	<i>"What does this symptom mean to/for you?"</i> <i>"How does this symptom affect your daily life?"</i> <i>"What do you believe is causing this symptom?"</i> Does their pain have meaning?

## Example of a Visual Analogue Scale



## Appendix Two – Opioid Conversion Chart

Oral/Transdermal Opioids	Oral Morphine Equivalent Ratio	Administration and adjustment of opioid medication requires ongoing monitoring of symptoms and side effects in order to achieve optimum outcomes. There will be individual variation.							
Morphine (over 24hrs)	1 : 1	10mg	20mg	30mg	60mg	90mg	120mg	180mg	240mg
Morphine Rescue Dose (4/24)		2.5mg	2.5 - 5mg	5mg	10mg	15mg	20mg	30mg	40mg
Oxycodone(over 24 hrs)	1.5 : 1	7.5mg	15mg	20mg	40mg	60mg	80mg	120mg	160mg
Oxycodone Rescue Dose (4/24)		2.5mg	2.5mg	2.5 - 5mg	5mg	10mg	10 – 15mg	20mg	25mg
Fentanyl Patch (3 Days)		n/a	n/a	12mcg/hr	25mcg/hr	37mcg/hr	50mcg/hr	75mcg/hr	100mcg/hr
Buprenorphine Patch (7 Days)		5mcg/hr	10mcg/hr	NB: 20mcg/hr Buprenorphine patch is equivalent to 40mg Morphine over 24 hours					
Tramadol	1 : 10	Weak Opioids, but prior regular use should be considered when considering commencement of strong opioid							
Codeine	1 : 10								
Methadone	Variable – 1 : 1 – 20 : 1 <b>ONLY COMMENCE AFTER CONSULTATION WITH PC CONSULTANT</b> as per page 18								
<b>*RESCUE DOSES ARE CALCULATED AT APPROXIMATELY 1/6 OF THE TOTAL DAILY DOSE OF OPIOID* This can be between 1/4 to 1/10, so administer dose and review.</b>									
<b>When changing from one opioid to another there may be incomplete cross tolerance and dose reduction of 25% or more may be needed. After changing opioid, close assessment should follow and the dose altered as necessary</b>									
Opioid Conversion- Oral to Subcutaneous (N.B. Subcutaneous to Oral is reverse ratio)									
Morphine	2 : 1	e.g. LA Morph 20mg BD (40mg daily) = Morphine 20mg via CSCI over 24hr							
Oxycondone	2 : 1	e.g. Oxydone 20mg BD (40mg daily) = Oxycodone 20mg via CSCI over 24hr							
Methadone	2 : 1	e.g. Methadone 20mq BD (40mq daily) = Methadone 20mq via CSCI over 24hr							

## Appendix Three – Syringe Driver Compatibility Chart

Compatibility of drugs for use in syringe drivers over 24 hours of subcutaneous infusions	clonazepam	cyclizine	dexamethasone	fentanyl	glycopyrrolate	haloperidol	hydromorphone
clonazepam	-	SI	Y	?	Y	Y	?
cyclizine	SI	-	SI	SI	Y	Y	?
dexamethasone	Y	SI	-	?	?	SI	?
fentanyl	?	SI	?	-	Y	Y	-
glycopyrrolate	Y	Y	?	Y	-	Y	Y
haloperidol	Y	Y	SI	Y	Y	-	Y
hydromorphone	?	?	?	-	Y	Y	-
hyoscine butyl bromide (Buscopan™)	Y	SI	Y	Y	?	Y	Y
hyoscine hydrobromide	Y	Y	Y	Y	NA	Y	Y
ketamine	Y	?	Y	Y	Y	Y	?
methotrimeprazine/ levomepromazine (Nozinan™)	Y	Y	SI	Y	Y	Y	Y
methadone	Y	?	Y	?	Y	Y	?
metoclopramide	Y	Y	Y	Y	Y	Y	
midazolam	Y	SI	SI	Y	Y	Y	Y
morphine sulphate (normal strengths)	Y	Y	Y	?	Y	Y	-
morphine tartrate (high strengths)	Y	Y	Y	?	?	SI	-
octreotide	Y	SI	SI	Y	Y	Y	?
ondansetron	?	Y	Y	Y	Y	Y	?
oxycodone	Y	SI	Y	?	Y	Y	-
phenobarbitone	?	?	?	Y	N	?	?

Combinations that have been used

Y = compatible	morphine+clonazepam+cyclizine (morphine sulphate and tartrate)
N = incompatible	morphine+clonazepam+dexamethasone (morphine sulphate and tartrate)
SI = sometimes incompatible (usually at higher concentrations)	morphine+clonazepam+haloperidol (morphine sulphate and tartrate)
NA = not usually used together	morphine+clonazepam+ketamine (morphine sulphate and tartrate)
? = unknown	morphine+clonazepam+metoclopramide (morphine sulphate Y, tartrate SI)

Info from:

- 1) The Palliative Care Handbook 7TH Edition 2014 – 24 hour syringe driver compatibility for subcutaneous administration table.
- 2) Palliative Medicine Handbook on line at <http://book.pallcare.info/index.php>
- 3) Compatibility of syringe driver admixtures for continuous subcutaneous infusions, Department of Pharmacy,

Diluent: water is recommended for all infusions except ketamine, octreotide, ondansetron and levomepromazine where sodium chloride 0.9% should be used although in combinations consider water.

hyoscine butyl bromide(Buscopan™)	hyoscine hydrobromide	ketamine	methotrimeprazine/ levomepromazine (Nozinan™)	methadone	metoclopramide	midazolam	morphine sulphate (normal strengths)	morphine tartrate (high strengths)	octreotide	ondansetron	oxycodone	phenobarbitone
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	?	Y	?
SI	Y	?	Y	?	Y	SI	Y	Y	SI	Y	SI	?
Y	Y	Y	SI	Y	Y	SI	Y	Y	SI	Y	Y	?
Y	Y	Y	Y	?	Y	Y	?	?	Y	Y	?	Y
?	NA	Y	Y	Y	Y	Y	Y	?	Y	Y	Y	N
Y	Y	Y	Y	Y	Y	Y	Y	SI	Y	Y	Y	?
Y	Y	?	Y	?	-	Y	-	-	?	?	-	?
-	NA	Y	Y	?	Y	Y	Y	?	Y	Y	Y	?
NA	-	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	?
Y	Y	-	Y	?	Y	Y	Y	Y	Y	Y	Y	?
Y	Y	Y	-	Y	Y	Y	Y	Y	SI	Y	Y	?
?	Y	?	Y	-	Y	Y	?	?	?	?	?	N
Y	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	Y	?
Y	Y	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	?
Y	Y	Y	Y	?	Y	Y	-	NA	Y	Y	NA	?
?	Y	Y	Y	?	Y	Y	NA	-	?	Y	NA	Y
Y	Y	Y	SI	?	Y	Y	Y	?	-	Y	Y	?
Y	Y	Y	Y	?	Y	Y	Y	Y	Y	-	Y	?
Y	Y	Y	Y	?	Y	Y	NA	NA	Y	Y	-	?
?	?	?	?	N	?	?	?	Y	?	?	?	-

morphine+cyclizine+dexamethasone (morphine sulphate and tartrate)	morphine+dexamethasone+haloperidol (morphine sulphate and tartrate)
morphine+cyclizine+haloperidol (morphine sulphate and tartrate)	morphine+dexamethasone+hyoscine hydrobromide
morphine+cyclizine+hyoscine butyl bromide (morphine sulphate, tartrate SI)	morphine+dexamethasone+metoclopramide (morphine sulphate and tartrate)
morphine+cyclizine+metoclopramide (morphine sulphate and tartrate)	morphine+dexamethasone+midazolam (morphine sulphate SI, tartrate SI)
morphine+cyclizine+midazolam (morphine sulphate and tartrate)	morphine+dexamethasone+haloperidol (morphine sulphate and tartrate)

Auckland District Health Board 2002 4) Palliative Care Formulary on line at [www.palliativedrugs.co.uk](http://www.palliativedrugs.co.uk)  
 5) Gardiner P R Compatibility of an injectable oxycodone formulation with typical diluents, syringes, tubings, infusion bags and drugs for potential co-administration. Hospital Pharmacist 2003; 10: 354-61

# Appendix Four - Bristol Stool Chart

This chart is a good visual resource to “describe” faecal matter. This also gives a good indication of how long it has been in the bowel, i.e. type 1-3 have been in the bowel longer and therefore have less water content and may be harder to pass. This knowledge influences management.

Type 1	Seperate hard lumps, like nuts (hard to pass)
Type 2	Sausage-shaped but lumpy
Type 3	Like a sausage but with cracks on its surface
Type 4	Like a sausage or snake, smooth and soft
Type 5	Soft blobs with clear-cut edges (passed easily)
Type 6	Fluffy pieces with ragged edges, a mushy stool
Type 7	Watery, no solid pieces. Entirely liquid

<http://www.nursingtimes.net/Journals/1/Files/2009/3/31/Stool%20Chart%20O4.pdf>

## Appendix Five – Assessment Tools

The AKPS measures the functional status of a patient and serves as a communication tool for quickly describing a patient's current functional level.

### How to assess AKPS

1. Use the AKPS definitions to determine the initial score at the start of an episode of care.
2. Assess routinely. PCOC recommends a minimum of daily for inpatients and at each contact (phone or in-person) for community patients or in hospital consultative patients.
3. Assess whenever there is a phase change.
4. Assess at episode end when a patient is discharged.
5. Assessment may be conducted in-person or over the phone (except for initial assessment).

AKPS ASSESSMENT CRITERIA	SCORE
Normal; no complaints; no evidence of disease	100
Able to carry on normal activity; minor sign of symptoms of disease	90
Normal activity with effort; some signs or symptoms of disease	80
Cares for self; unable to carry on normal activity or to do active work	70
Able to care for most needs; but requires occasional assistance	60
Considerable assistance and frequent medical care required	50
In bed more than 50% of the time	40
Almost completely bedfast	30
Totally bedfast and requiring extensive nursing care by professionals and/or family	20
Comatose or barely rousable	10
Dead	0

Potential actions following AKPS assessment	
Point on AKPS Scale	Recommended Action
Patient has AKPS of 90, 80 or 70 at episode start	Consider completing an advance care planning discussion with the patient and their substitute decision-makers.
Patient has AKPS of 60	Consider referral to allied health if patient has been in active work and is no longer able to work.
Patient has AKPS of 50	Consider discussion at multidisciplinary team meeting and review care plan Provide appropriate equipment as required Consider referrals for community packages Complete a caregiver assessment.
Patient has AKPS of 40 or 30	Consider discussion at multidisciplinary team meeting and review care plan – patient may be commencing deterioration and further supports may be required. Consider pressure area care. Provide appropriate equipment as required (for example, alternating pressure mattress). For community patients – consider impact of care on family caregiver. Complete a caregiver assessment.
Patient has AKPS of 20 or 10	Commence end of life care planning If death is likely in days, change to Terminal Phase.

# IPOS Patient Version



Patient name : .....

Date (dd/mm/yyyy) : .....

www.pos-pal.org

Patient number : ..... (for staff use)

## Q1. What have been your main problems or concerns over the past 3 days?

1. ....
2. ....
3. ....

## Q2. Below is a list of symptoms, which you may or may not have experienced. For each symptom, please tick one box that best describes how it has affected you over the past 3 days.

	Not at all	Slightly	Moderately	Severely	Over-whelmingly
Pain	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Shortness of breath	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Weakness or lack of energy	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Nausea (feeling like you are going to be sick)	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Vomiting (being sick)	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Poor appetite	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Constipation	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Sore or dry mouth	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Drowsiness	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
Poor mobility	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

Please list any other symptoms not mentioned above, and tick one box to show how they have affected you over the past 3 days.

1.	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
2.	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
3.	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>



**Over the past 3 days:**

	<i>Not at all</i>	<i>Occasionally</i>	<i>Sometimes</i>	<i>Most of the time</i>	<i>Always</i>
<b>Q3. Have you been feeling anxious or worried about your illness or treatment?</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
<b>Q4. Have any of your family or friends been anxious or worried about you?</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
<b>Q5. Have you been feeling depressed?</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
	<i>Always</i>	<i>Most of the time</i>	<i>Sometimes</i>	<i>Occasionally</i>	<i>Not at all</i>
<b>Q6. Have you felt at peace?</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
<b>Q7. Have you been able to share how you are feeling with your family or friends as much as you wanted?</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
<b>Q8. Have you had as much information as you wanted?</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
	<i>Problems addressed/ No problems</i>	<i>Problems mostly addressed</i>	<i>Problems partly addressed</i>	<i>Problems hardly addressed</i>	<i>Problems not addressed</i>
<b>Q9. Have any practical problems resulting from your illness been addressed? (such as financial or personal)</b>	0 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
	<i>On my own</i>	<i>With help from a friend or relative</i>			<i>With help from a member of staff</i>
<b>Q10. How did you complete this questionnaire?</b>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

*If you are worried about any of the issues raised on this questionnaire  
then please speak to your doctor or nurse*

The IPOS(Integrated Palliative Outcome Scale) tool is designed to assist in the assessment of what is important to the patient, the 10 common physical symptoms (pain, shortness of breath, lack of energy, nausea, vomiting, poor appetite, constipation, sore mouth, drowsiness, and poor mobility), a rating of the emotional and spiritual wellbeing as well as highlighting practical needs.

The severity **at the time of assessment or over the previous 3 days** of each item is rated (Not at all to Overwhelming)).

It is the **patient's opinion of the severity of the symptoms** that is the "gold standard" for the assessment.

If the patient cannot do it independently but still able to provide input (e.g. when mildly cognitively impaired) the IPOS is completed with the help of family/whānau, friends or health care professionals. If the patient cannot participate at all or refuses to do so it is completed by the health professional alone. The symptoms are assessed as objectively as possible.

Here are some examples of objective indicators:

**Pain** – grimacing, guarding against painful manoeuvre

**Tiredness** – increased amount of time spent resting

**Drowsiness** – decreased level of alertness

**Nausea** – retching or vomiting

**Appetite** – quantity of food intake

**Shortness of breath** – increased respiratory rate or effort that appears to be causing distress to the patient

**Depression** – tearfulness, flat affect, withdrawal from social interactions, irritability, decreased concentration and/or memory, disturbed sleep pattern

**Anxiety** – agitation, flushing, restlessness, shortness of breath

**Wellbeing** – how the patient appears overall

The IPOS provides a clinical profile of symptom severity over time and a context within which symptoms can begin to be understood. However, it is not a complete symptom assessment in itself. For good symptom management to be attained the IPOS must be used as just one part of a holistic clinical assessment.

## Appendix Six – Referral Criteria for Specialist Palliative Care

Following **initial referral meeting** or any **subsequent review of service** applicability the patient is assessed against the following criteria before being admitted to the service or continuing to receive service from The Specialist Palliative Care Team

General Criteria <i>must meet ALL of these criteria</i>	
Must be <b>resident within the catchment area</b>	
<b>Progressive incurable disease</b> or the patient has refused treatment if competent to do so	
Presence of <b>unstable complex symptoms or psychosocial issues</b> that are important to the patient that are unable to be managed by the current care team	
The patient <b>agrees to referral</b> if competent to do so (or an advocate for them)	

**PLUS**

General Indicators <i>– must have at least one of the following</i>	
Progressive deterioration in performance scale or Dependence in three of more activities of daily living	
Multiple co-morbidities	
Symptoms that cannot be alleviated by treating underlying disease	
Signs of malnutrition due to illness – cachexia, albumin <25g/l	
Severe documented progression of illness over recent months.	

**PLUS**

### Presence of Various Disease Specific Indicators

*(please details which indicators apply)*

CANCER	CARDIAC	PULMONARY	RENAL	NEUROLOGICAL	STROKE	LIVER DISEASE	DEMENTIA	OTHER

## Criteria Review Outcome

Complex palliative care not able to be confirmed. Patient referred back to appropriate primary provider.  
Patient & Family/Whānau Informed

Complex palliative care need confirmed - patient admitted to Specialist Palliative Care Service

## DISEASE SPECIFIC INDICATORS

CANCER	CARDIAC	PULMONARY	RENAL	NEUROLOGICAL	STROKE	LIVER DISEASE	DEMENCIA	OTHER
<i>At least one of the following is present:</i>	<i>At least one of the following is present:</i>	<i>At least one of the following is present:</i>	Not willing or able to undergo dialysis or transplant <b>PLUS at least one of the following</b>	Significant progressive decline in function <b>PLUS at least one of the following:</b>	<i>At least one of the following is present:</i>	<i>At least one of the following is present:</i>	<i>At least one of the following is present:</i>	Other situations might include
<b>CA1</b> Incurable metastatic disease	<b>CD1</b> Advanced heart failure	<b>PU1</b> Shortness of breath at rest	<b>RE1</b> Patient wishes to stop dialysis	<b>NE1</b> Inability to walk	<b>ST1</b> Persistent vegetative state	<b>LI1</b> Ascites despite maximum diuretics, spontaneous peritonitis	<b>DE1</b> Inability to dress or walk without assistance	<b>OT1</b> Multiple co-morbidities with no primary diagnosis
<b>CA2</b> Inoperable disease	<b>CD2</b> Three or more admissions to hospital within the last 12 months with symptoms of heart failure	<b>PU2</b> Documented progressive disease	<b>RE2</b> Signs of renal failure are present (severe nausea, pruritus, restlessness, altered consciousness)	<b>NE2</b> Dependence on assistance for activities of daily life	<b>ST2</b> Severe dysphagia	<b>LI2</b> Jaundice; hepatorenal syndrome	<b>DE2</b> Urinary or faecal incontinence	<b>OT2</b> Patient medically unfit for surgery for life-threatening disease
<b>CA3</b> Complex symptoms	<b>CD3</b> Physical symptoms despite optimal tolerated therapy	<b>PU3</b> Symptomatic right heart failure	<b>RE3</b> Intractable fluid overload	<b>NE3</b> Barely intelligible speech, difficulty in communication	<b>ST3</b> Post stroke dementia	<b>LI3</b> PTT > five seconds above control	<b>DE3</b> No consistent meaningful verbal communication: <b>PLUS at least one of the following</b>	<b>OT3</b> Failure to respond to Intensive Care (in ICU, CCU, SCBU, PICU) and death therefore inevitable
<b>CA4</b> Complex psychosocial issues	<b>CD4</b> Psychological symptoms despite optimal tolerated therapy	<b>PU4</b> Cachexia	<b>RE4</b> Rapid deterioration anticipated by Renal Team	<b>NE4</b> Cachexia; difficulty eating and drinking and declines feeding tube	<b>ST4</b> Poor nutritional status	<b>LI4</b> Encephalopathy	<b>DE4</b> Difficulty swallowing/eating; >10% weight loss over the last 6 months	
	<b>CD5</b> Symptomatic arrhythmias resistant to treatment			<b>NE5</b> Significant dyspnoea and/or requires oxygen at rest and declines assisted ventilation		<b>LI5</b> Recurrent variceal bleeding if further treatment inappropriate	<b>DE5</b> Recurrent urinary and/or respiratory infections	
	<b>CD6</b> Physical damage (e.g. stroke) following resuscitation for cardiac arrest.						<b>DE6</b> Multiple Staff III or IV decubitus ulcers	
							<b>DE7</b> Symptoms causing distress	

Adapted for North Haven Hospice from Specialist Palliative Care Referral and Referral Criteria East Cheshire.

## Appendix Seven – Social/ Emotional/ Spiritual Assessment

### 1. Awareness of Diagnosis/Illness:

Issues: circumstances, unexpected, untimely, traumatic, concurrent

***“What happened when you were given your diagnosis?”***

### 2. Concurrent crises and past issues:

Issues: other crises e.g. financial, residential, care issues, other losses

***“What other things are going on at the same time as the illness?”***

***“Have you had other losses to deal with?”***

***“How have you dealt with these losses?”***

### 3. Relationships

Issues: Patient's role in the family, patient's age, blended family, isolation of nuclear family

***“Can you tell me a little about your family?”***

### 4. Social Supports

Issues: family and social supports, level of support, grief reactions, depression, anxiety

***“How have things been with your family and friends?”***

### 5. Patient's Wishes & Goals

Issues: Where the patient wants to be cared for, what level of support would be required, the family's ability to provide care, patient's/family's need of financial support and services available

***“Where would you like to be cared for?”***

***“How could this happen?”***

### 6. Spiritual Beliefs

Issues: meaning, purpose, spiritual isolation, loss of connection with faith in God

***“How are your spiritual needs met?”***

### 7. Are there any specific cultural/religious/spiritual needs?

### 8. Expectation of Palliative Support Services

***“What do you expect from the Hospice Support Services?”***

***“Is there anything you can think of that you want/don't want?”***

## Appendix Eight – Alternative to CSCI use

<u>CSCI (Syringe Driver)</u> <u>MEDICATION</u> <u>If on...</u>	<u>BUCCAL/SL option</u> <i>Extreme caution in unconscious patients</i>	<u>PR option</u>	<u>TRANSDERMAL option</u>	<u>SC Bolus option</u>
MORPHINE SC:Rectal = 1:2 SC:Oral = 1:2 Oral:Rectal = 1:1	RA-morph elixir 5mg/ml and 10mg/ml formulations Divide into q4h doses	Arrow Morphine LA tabs Use tablets rectally BD	Fentanyl patch See table below*	
METHADONE SC:Oral = 1:1 SC:Oral = 1:1 Oral:Rectal= 1:1	Methadone Use 10mg/ml formulation <b>Total</b> daily SC dose as <b>total</b> daily buccal dose (Divide and give either BD or TDS)	Methadone Use 5mg tabs rectally <b>Total</b> daily SC dose as <b>total</b> daily rectal dose (Divide and give either BD or TDS)		
FENTANYL			Fentanyl patch See table below*	
BUSCOPAN (for secretions)	Atropine drops 1 drop up to QID, consult palliative care team if needing increased dose		Hyoscine hydrobromide patch 1.5mg/patch = Buscopan 30mg	
HALOPERIDOL	Olanzapine dispersible 5mg tab 5mg = Haloperidol 2mg	Haloperidol tabs 0.5mg, 1.5mg and 5mg give same total dose in divided amounts BD PR (SC:Rectal= 1:1)		Haloperidol 5mg/ml inj Divide CSCI dose by 2 and give BD
LEVOMEPRMAZINE SC:Rectal = 1:1	Olanzapine dispersible 5mg tab 5mg = Levomepromazine 12.5mg	Levomepromazine 25mg tab		
MIDAZOLAM	Clonazepam drops (1 drop=0.1mg) 5-10 drop BD =15mg Midazolam Lorazepam tabs 2mg QID = 15mg Midazolam	Diazepam (Stesolid 5 and 10mg) Given BD or TDS 20-30mg = 15mg Midazolam		

Moving away from **CSCI (Syringe Driver)** towards alternative routes of administering **REGULAR medications** to maximise patient/family independence at end-of-life

KEY: FIRST LINE, SECOND LINE, THIRD LINE

Fentanyl patch (mcg/hour)	Fentanyl dose (mcg/day)	Oral morphine (mg/24H)
½ 12.5	150mcg/day	<30
12.5	300mcg/day	30-59
25	600mcg/day	60-134
50	1200mcg/day	135-224
75	1800mcg/day	225-314
100	2400mcg/day	315-404

\***PO morphine:TD/SC fentanyl = 150:1**

\*When cutting a fentanyl patch cut diagonally across the backing join from corner to corner NOT parallel to it

Moving away from **SC PRNs** towards alternative routes of administering **PRN medications** to maximise patient/family independence at end-of-life

SC MEDICATION If on...	BUCCAL option <i>Extreme caution in unconscious patients</i>	PR option	TRANSDERMAL option	SC PRN BOLUS
MORPHINE SC:Oral = 1:2	RA-morph elixir 5mg/ml and 10mg/ml formulations	Sevredol 10 and 20mg tabs		SC Morphine
METHADONE	<i>If considering methadone for PRN pain relief please discuss with Palliative Care Team</i>			
FENTANYL	Fentanyl injection 100mcg/2ml 25mcg (0.5ml) = 2.5mg morphine			
BUSCOPAN	Atropine drops 1 drop up to QID, consult palliative care team if needing increased dose			SC Buscopan
HALOPERIDOL	Olanzapine wafers 5mg and 10mg wafers available	Haloperidol tab 0.5mg and 1.5mg tabs available		SC Haloperidol
LEVOMEPRMAZINE SC:Buccal = 1:1 SC:Rectal = 1:1	Olanzapine 5mg dispersible tab 5mg= 12.5mg Levomepromazine Levomepromazine injection 25mg/ml	Levomepromazine 25mg tab		SC Levo-mepromazine
MIDAZOLAM SC:Buccal 1:1	**Midazolam spray 1 spray = 0.5mg Midazolam			

\*\*Midazolam spray

5 ampoules of 15mg/3ml into 1 bottle

75mg/bottle = 500mcg (0.5mg)/puff

## References

Addition of Methadone to Another Opioid in the Management of Moderate to Severe Cancer Pain: A Case Series. Wallace E, Bryson J, Mak E, Zimmermann C. J Palliat Med. 2013 Mar;16(3):305-9.

Advance Care Planning – <https://www.hqsc.govt.nz/our-programmes/advance-care-planning/>

AKPS

<https://documents.uow.edu.au/content/groups/public/@web/@chsd/@pcoc/documents/doc/uow129188.pdf>

Alternative Routes to Oral Opioid Administration in Palliative Care. *Pain Medicine* 2014; 15:1129-1153

Clonazepam Protocol Waitamata DHB 2019

Gabapentin for pruritus in palliative care. Anand S. *Am J Hosp Palliat Care.* 2013 Mar;30(2):192-6

Hospice New Zealand Syringe Driver Competency Training Programme Workbook, 2016.

IPOS Cicely Saunders Institute 2012. <https://pos-pal.org/>

MacLeod, R & Macfarlane, S, 2019. *The Palliative Care Handbook 2019. 9<sup>th</sup> Edition.*

Medsafe. Use of Unapproved Medicines and Unapproved Use of Medicines. April 2013. URL: [www.medsafe.govt.nz/profs/riss/unapp.asp](http://www.medsafe.govt.nz/profs/riss/unapp.asp)

Medicines Complete Palliative Care Formulary 2020

Ministry of Health. 2012. Resource and Capability Framework for Integrated Adult Palliative Care Services in New Zealand. Wellington: Ministry of Health.

Methadone Literature review: Canadian Virtual Hospice 2019

Methadone Equivalence: Canadian Virtual Hospice 2019

Midazolam spray and infusion protocol Waitamata DHB 2019

The New Zealand Formulary <http://nzformulary.org/>

Northland HealthPathways

<https://northland.healthpathways.org.nz/LoginFiles/Logon.aspx?ReturnUrl=%2f>

Rothe PH, Heres S, Leucht S. Dose equivalents for second generation long-acting injectable antipsychotics: The minimum effective dose method. *Schizophr Res.* 2018;193:23-8.



Regnard, C. & Ahmedzai, S. (1991) Dyspnoea in advanced non-malignant disease – a flow diagram. Palliative Medicine 5 (56). Retrieved November 5 2008 from <http://pmj.sagepub.com/cgi/content/abstract/5/1/56>

Sublingual medication administration: Covid 19 resource

<https://www.hospice.org.nz/wp-content/uploads/2019/04/5.-Sublingual-medication-administration-COVID-19-V2-2-April-2020.pdf>

Te Ara Whakapiri: Toolkit

<https://www.health.govt.nz/system/files/documents/publications/te-ara-whakapiri-toolkit-apr17.pdf>



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