Client: NSW Ambulance

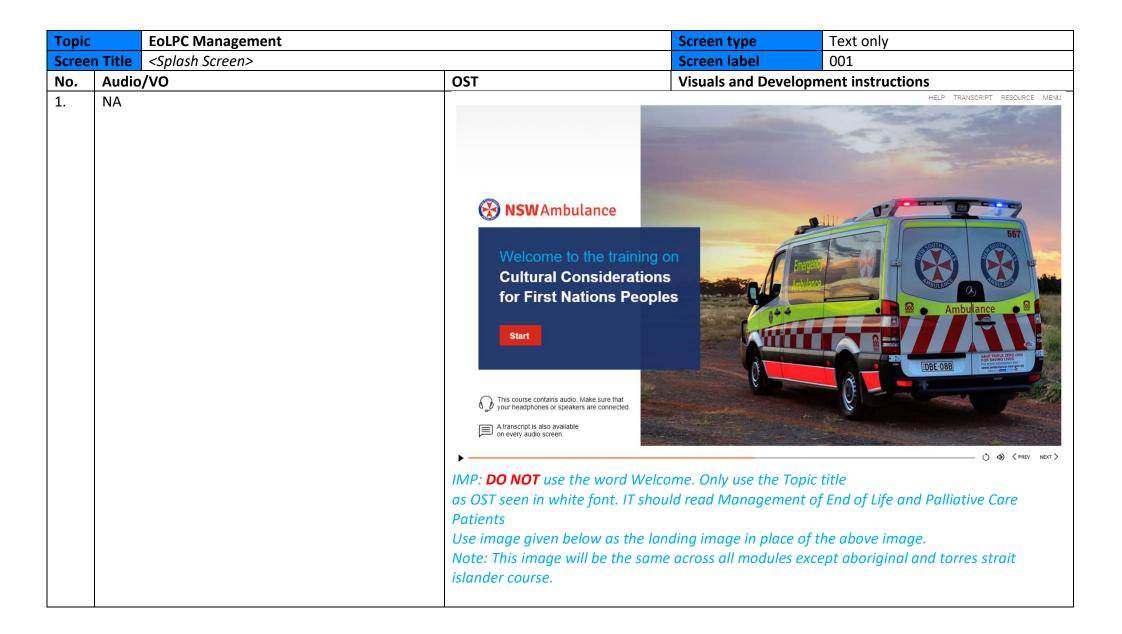
Document: Storyboard for EoLPC Management Module

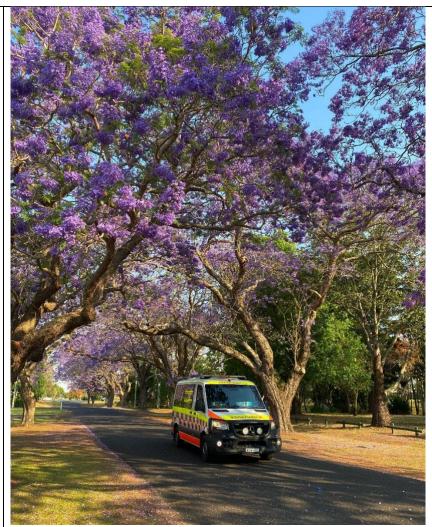
Version History:

Version No.	Edited By	Date	Remarks
001	Sheetal Mehta	5 th June, 2024	SB Creation
002	Sheetal Mehta	12 th July, 2024	SB update (Client feedback)

Notes to Developers:

- Please refer to **EoLPC Management Module 20240520 FC**.pptx.
- Please refer to https://www.digital.nsw.gov.au/delivery/digital-service-toolkit for Design Standards.
- Please refer to \\192.168.1.88\01 e-learning \Learning \Factor\02 NSW Ambulance\01 source\01 client input\03 Images for images without stock ids.
- IMP: This is a very serious topic, so please use graphics/icons and images that are in keeping with the topic being taught.





2023-10-31 Grafton Jacaranda.jpeg

Topic	Topic EoLPC Management S			Screen type	Static
Scree	Screen Title Acknowledgement to Country			Screen label	002
No.	Audio	/VO	OST	Visuals and Develo	opment instructions
1.	deepe Tradit lands contin	Ambulance acknowledges and pays our est respect to the past, present, and future ional Custodians and Elders of the many on which we work and live, and the nuation of cultural, spiritual, and educational ces of Aboriginal and/or Torres Strait Islander es.	NSW Ambulance acknowledges and pays our deepest respect to the past, present, and future Traditional Custodians and Elders of the many lands on which we work and live, and the continuation of cultural, spiritual, and educational practices of Aboriginal and/or Torres Strait Islander peoples.	Display above ima	ge on the right side with OST in sync with

Topic EoLPC Management		EoLPC Management		Screen type	Static
Screen Title Content Warning		Content Warning		Screen label 003	
No.	Audio	/VO	Visuals and Development instruction	ns	
1.	Some death We ur affect If you modu If you	of our content today will be discussing and topics surrounding death. Inderstand that some people could be ed by the content of this module. Ithink you may be, feel free to leave this le for the meantime. It do find you are affected, please reach out yof our staff support services.	 Some of our content today will be discussing death and topics surrounding death. We understand that some people could be affected by the content of this module. If you think you may be, feel free to leave this module for the meantime. If you do find you are affected, please reach out to any of our staff support services. Your Manager Peer Support Officer – as per MyShift Chaplaincy Service – as per MyShift EAPS – Converge International - Phone EAPS 24/7 on: 1300 687 327 Staff Psychology Service Teledoc Health (via AWARE Super) - 1800 830 082 Black Dog Institute – www.BlackDogInstitute.or g.au 	shutterst sck: Stock Photo ID: 1810	2780027 e as background for OST in sync with VO.

Topic	opic EoLPC Management Scr		Screen type	Static	
Scree	Screen Title Reminder: Look after yourself		Screen label	004	
No.	Audio	/VO	OST	Visuals and Developm	nent instructions
1.	guide care, a caregi It can	are many issues discussed in this learning related to serious illness, dying, end-of-life and death, as well as the impact on families, vers, and communities. be upsetting to reflect on and learn about issues.	There are many issues discussed in this learning guide related to serious illness, dying, end-of-life care, and death, as well as the impact on families, caregivers, and communities. It can be upsetting to reflect on and learn about these issues.	Display above image of VO on the left.	on the right side with OST in sync with

Topic		EoLPC Management		Screen type	Text and image
Scree	Screen Title Learning Objectives			Screen label	005
No.	No. Audio/VO		OST	Visuals and Develo	ppment instructions
1.	Dian other parts of the care with the care parts of the care parts of the care with the care wi	iscuss the notion that treatment priorities d management goals may be different to our her patients and relate them to the phases of lliative care. Itline specific symptom management rough a step wise approach. Itline the medications relating to palliative re symptoms, both from the New South ales Ambulance Formulary and the other secribe non-pharmacological management of lliative care symptoms. Inscribe non-pharmacological management of lliative care symptoms. Inplement the opioid dose calculator into lculating opioid doses required for patients the opioid tolerance. In permit referral options for guidance.	shutterstock ID: 2218316467	Lorem is sed dian dolore in Sed	UR TITLE Sourn dolor sit amet, consectetuer adipiscing elit, an nonummy nibh euismod fincidunt ut lacreet nagna aliquam erat volutpat. UR TITLE Sourn dolor sit amet, consectetuer adipiscing elit, an nonummy nibh euismod fincidunt ut lacreet nagna aliquam erat volutpat. UR TITLE Sourn dolor sit amet, consectetuer adipiscing elit, an nonummy nibh euismod fincidunt ut lacreet nagna aliquam erat volutpat. UR TITLE Sourn dolor sit amet, consectetuer adipiscing elit, an nonummy nibh euismod fincidunt ut lacreet nagna aliquam erat volutpat. UR TITLE Sourn dolor sit amet, consectetuer adipiscing elit, an nonum y nibh euismod fincidunt ut lacreet nagna aliquam erat volutpat. IMAGE ID: 2218316467 www.shiutterstock.com

Topic		EoLPC Management		Screen type	Text and image
Scree	n Title	Introduction		Screen label	006
No.	No. Audio/VO		dio/VO OST		pment instructions
1.	unwar to rec positiv experi Palliat and in	ive symptom management can avoid nted admissions to hospital, enable patients eive care in their preferred place and have a ve impact on family members and carers grief ience. ive care aims to prevent and relieve suffering approve the quality of life of people facing ems associated with life-limiting illness.	 Avoids unwanted admissions to hospital Enables patients to receive care in their preferred place Have positive impact on family members and carers grief experience Relieves suffering 	images as backgrou	In three parts vertically with the given and. Isame order on the images in sync with 27582913

2.	Symptom management must take into consideration the cause, potential benefits and burdens of treatment, the patient's place in the course of their illness, their overall goals of care and their wishes.	Symptom Management Cause Potential Benefits Burdens Of Treatment Patient's Place Goals Of Care Wishes	shutterstock Stock Photo ID: 154462034 reduce PRISK objectives objectives objectives objectives of critical assets of tracegy of managing of the control of
3.	Patients may experience symptoms due to the underlying disease processes, disease-modifying treatments, co-morbid illness and/or psychosocial distress.	 Underlying disease processes Disease-modifying treatments Co-morbid illness Psychosocial distress 	Retain the previous screen. Fade out the OST except 'Symptom Management'. Display OST in the same way as shown in the reference image.

4.	Symptom management should be provided utilising a stepwise approach and non-	 Symptom management Non-pharmacological 	Reference image Dyslipidaemia Hypertension Obesity Prevolabetes Insuling Resistance Shutterstock 2258046501 Retain the previous screen. Fade out the words, circle, and arrows except 'Symptom'
	pharmacological symptom management should be		Management'.
	considered prior to medication administration.	symptom managementMedication administration	Show three steps.
	considered prior to inculcation administration.	ivical cation administration	Display first bullet point on the lowest step.
			Display second bullet point on the middle higher step and
			last bullet point on the highest step.
5.	The goal of symptom relief at end of life is to	Symptom Relief	Retain the previous screen.
	reduce suffering and neither hasten nor postpone	Neither hasten nor postpone	Fade out the words.
	death.	death	Display OST from the lowest step to the highest step.
		Reduce suffering	

Topic EoLPC Management			Screen type	Interactivity	
Scree	n Title	Pharmacological Symptom Management		Screen label	007
No.	Audio	/vo	OST	Visuals and Developm	nent instructions
1.	from to Medicadjust patien	ake a look at the medication administration the New South Wales Ambulance Formulary ation doses should be titrated to effect and ed to consider the individual needs of the at, including frailty, co-morbidities and ation tolerance.	Medication administration from the NSW Ambulance Formulary • Doses should be titrated and adjusted to consider frailty, co-morbidities and medication tolerance of the patient	Medication R Restricted	Medications
2.	previo regula medio Ambu	ration doses of the patients who have not busly been given a medication, receiving a rinterval doses of medication, requiring a ation outside of the New South Wales lance formulary each type of patient to learn more.	 No previous medication Regular medication Require outside medication Select each type of patient to learn more. 	background Retain the image and Display the OST in the	OST. form of flashcards/flipcards. the images given below on the front

		shutterstr.ck: tock Photo ID: 2036344079 shutterstr.ck: Stock Photo ID: 2279097277
3.	Patients who have not previously been given a medication, should be given the lowest effective dose Patients receiving regular interval doses of medication may require larger breakthrough doses and/ or	On click, flip the cards to show the medication doses of each type of patient on the other side.
	repeat doses to achieve adequate symptom relief. The dosage regimens within the CPG are starting doses and	

		If a patient requires a medication outside of the New South Wales Ambulance formulary, repeat doses exceeding the maximum total dose, or where senior clinical support would be of benefit, clinicians should contact the Clinical Assistance Line.	
4. 5.	When administering modifications consider the	Flip card activity ends	
5.	When administering medications, consider the patient's total 24-hour dose to ensure maximum doses are not exceeded.		Mados Indianas Indian

6.	The subcutaneous (SC) route is preferred because it is less invasive and has less risk of causing	Subcutaneous (SC) Route is preferred.	
	infection.	 less invasive less risk of causing infection 	45°
			Stock Vector ID: 1683656065 Display OST in sync with VO with above image on the left side. A note icon will be shown at the end. The user will be able to click that icon to see the
			information below: Note: 'As patients deteriorate or approach end of life they may develop subcutaneous oedema, administration of SC medications above the heart makes absorption more efficient (i.e. administer SC medications in the upper arm if possible)'.

Topic		EoLPC Management		Screen type	Text and image, Interactivity
Scree	Screen Title Pharmacological Symptom Management- Auth		thorised Medications	Screen label	008
No.	Audio/VO OST		OST	Visuals and Devel	opment instructions
1.	medic Pharm Clinici	orised Medications" are anticipatory ations listed in New South Wales Ambulance nacology. ans are authorised to administer "Authorised rations".	Authorised Medications Clinicians		ALS
				Display 'Clinicians'	ound.png orised Medications' in sync with VO. ' along with the image of the clinician in sync with VO.

		Paramedics-arriving-to-the-scene_3.jpg
 Medical practitioners may prescribe anticipatory medications to be used when common symptoms associated with a life limiting illness can be anticipated/occur or during a crisis. Documentation of anticipatory management plans is variable across service providers, and clinicians should apply their clinical judgement to determine the appropriateness of instigating an anticipatory management plan. Anticipatory management plans may include the administration of prescribed medication, which is available in the home or facility. Where valid and clinically appropriate, clinicians should provide care in accordance 	 May prescribe anticipatory medications to be used when symptoms occur or during a crisis Should apply their clinical judgement to determine the appropriateness of instigating an anticipatory management plan May include the administration of prescribed medication, which is available in the home or facility. Should provide care in 	Retain the screen. Display OST around the image of the clinician in sync with VO. A note icon will be shown at the end. The user will be able to click that icon to see the information below: Note: Medications which are not listed as "Authorised" in the pharmacology may be administered in consultation with the Clinical Assistance Line.

assist family or carers to administer these
medications.

Clinicians must document the details of the anticipatory management plan and their relevant decision making on the Health Care Record (HCR).

- plan and/or assist family or carers to administer these medications
- Must document the details of the anticipatory management plan and their relevant decision making on the Health Care Record (HCR)

Medication can be administered if: 3.

- It is clearly prescribed for the patient by a medical or nurse practitioner.
- The indication, route of administration is clear and clinically appropriate.
- The medication is physically available at point of care.
- The concentration of the medication, frequency of dosage and trade name is clearly visible.
- The dose does not exceed the 24-hour dosage recommendation.

Hover over each element to know when the medication can be administered.

- It is clearly prescribed for the patient by a medical or nurse practitioner.
- The indication, route of administration is clear and clinically appropriate.
- It is physically available at point of care.
- The concentration of the medication, frequency of dosage and trade name is clearly visible.
- The dose does not exceed the 24-hour dosage recommendation.

Hover over each element to know when the medication can be administered.

Hover Activity

Display OST when the learner hovers over each element of 'prescription, indication on prescription, the side table, medicines on the side table, watch' of the image in sync with VO.

Recreate the prescription image and place it on the side table along with the medicine and the watch/clock as shown below for reference.



From internet, for reference Stock Photo ID: 2240734855



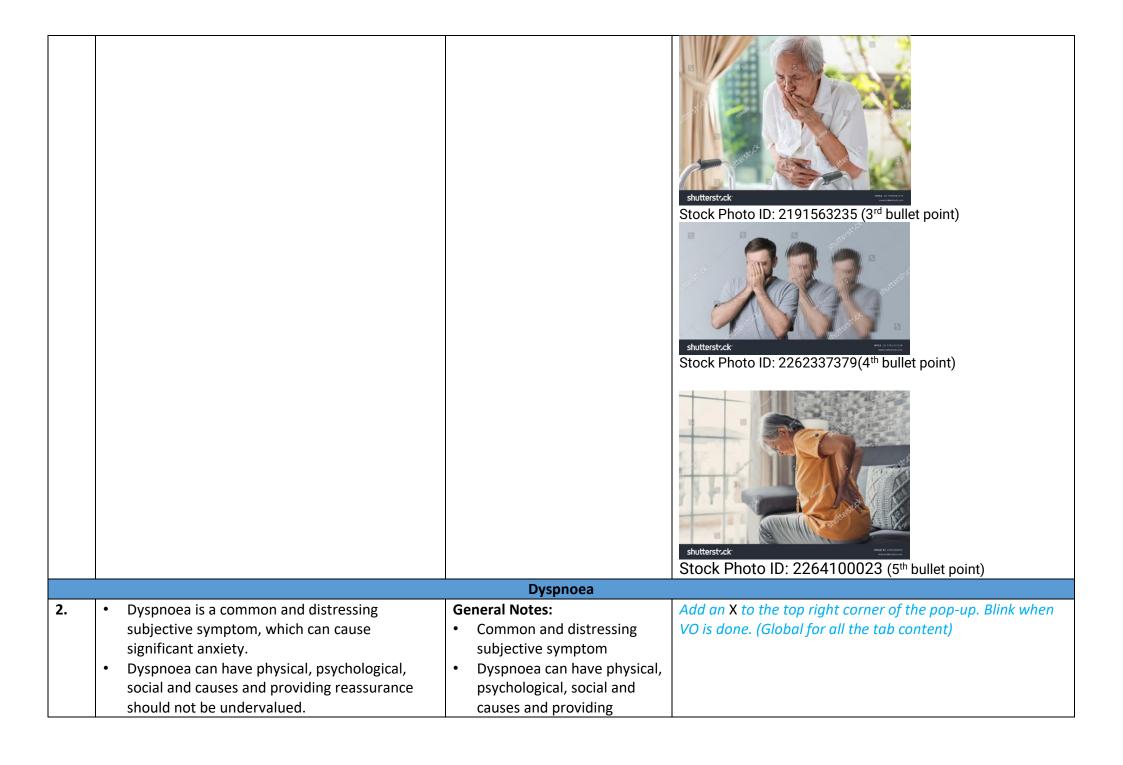
			Stock Photo ID: 2320713269
	INSERT SLIDE A Breakthrough dose is considered to be an additional dose of medication given to relieve pain or other symptoms that break through the relief provided by the regular medication regimen. This is a medication that is addition to a medication that is prescribed at regular intervals	•	
4.	As a general principle, if 3 or more breakthrough medication doses are required in 24 hours (in addition to the patient's regular medication regime), further assessment and amendments to the patient's care plan is indicated. In these cases, patients should be referred to their treating health care professionals (where possible).	If 3 or more breakthrough medication doses are required in 24 hours, further assessment and amendments to the patient's care plan is indicated. Patients should be referred to their treating health care professionals.	Typography
5.	Let's know more about a few authorized medicatons. These are:	Glycopyrrolate/Glycopyr ronium Haloperidol HYDROmorphone Hyoscine butylbromide Drag the slider to each authorised medicine to know more about it.	Refresh the screen. Slider activity (This activity starts after the accordion activity) Display image given below as the background image. Display the slider and the medicine names on a horizontal bar on the lower end of the screen.

			Stock Photo ID: 26	59315990	
4A.	It is important to remember to practice safe	Always practice safe			
	medication administration and follow the six R's of medication safety.	medication administration	accordion activity		
	The Six R's of Medication Safety	The Six R's of Medication Safety	n 50 n		
	1. Right Patient	1. Right Patient			
	 Verify the patient's identity 	2. Right Medication		The second secon	shutterstick
	2. Right Medication	3. Right Dose		Annual An	3.
	 Ensure that the medication being 	4. Right Time	1.	2	
	administered is exactly what was prescribed.	5. Right Route 6. Right Documentation	2336636255	authorised meds	1046242816
	3. Right Dose	or mane became mane.		large.jpg	
	 Confirm that the dosage of the 		Verify the	Ensure that the	Confirm that the
	medication is correct, including the		patient's identity	medication being	dosage of the
	strength and quantity.			administered is	medication is
	4. Right Time			exactly what was	correct, including
	 Administer the medication at the 			prescribed.	the strength and
	correct time, taking into account				quantity.
	frequency and duration.				
	5. Right Route		The Control of the Co		chuttocci
	 Check that the medication is being 			100	shutterst
	given via the correct route (e.g.,		We want to the state of the sta	No.	
	oral, intravenous, topical).		1	duffection	
	6. Right Documentation		4.	5.	6.
	 Document all aspects of medication 		Blister-Pack-	2448787307	2123593646
	administration accurately and		Grayscale.jpg		
	promptly.		Administer the	Check that the	Document all
			medication at	medication is	aspects of
			the correct time,	being given via	medication
			taking into	the correct route	administration
			account	(e.g., oral,	accurately and
			frequency and	intravenous,	promptly.
			duration.	topical).	

Show above image with OST after the learner clicks. *Slider activity (5) starts after this activity.* Glycopyrrolate/Glycopyrronium When the learner moves the slider to Glycopyrrolate, this For: All patients 6. OST and the image fade in. Indication: Excess respiratory tract secretions Route: SC Refer to the patient's prescribed dose Stock Photo ID: 2331508573 Haloperidol When the learner moves the slider to Haloperidol, this OST 7. For: All patients Indication: Nausea and / or and the image fade in. vomiting only when other agents are in effective. Restlessness, agitation and / or delirium only when other agents Route: SC Refer to the patient's prescribed dose Stock Photo ID: 2316778083 **HYDROmorphone** For: Adult When the learner moves the slider to HYDROmorphone, this Indication: Pain management OST and the image fade in. where morphine in adult patients Route: IV/IO Diluted Consultation/Authorisation from Stock Photo ID: 2179362837 Clinical Assistance Line required.

	It's important to note that this medication is 5 times more potent than regular morphine. Clinicians are advised to practice with 6 R's of medication safety and proceed with caution.			
		Hyoscine bu	tylbromide	
9.	For: Adult Indication: Excess respiratory tract secretions Route: SC Refer to the patient's prescribed dose This medication has a different pharmacokinetic action than Hyoscine Hydrobromide. Please remember to practice the 6 R's of medication safety.	shutterst.ck Stock Photo ID: 2199452799		When the learner moves the slider to Hyoscine butylbromide, this OST and the image fade in.

Topic	EoLPC Management		Screen type	Interactivity
Scree	1 Title Symptoms		Screen label	009
No.	Audio/VO	OST	Visuals and Develop	oment instructions
1.	Common symptoms associated with a life limiting illness can be • Dyspnoea • Excess Respiratory Tract Secretions • Nausea and / or vomiting • Restlessness, agitation and / or delirium • Pain Click on each Symptom to learn more.	 Dyspnoea Excess Respiratory Tract Secretions Nausea and / or vomiting Restlessness, agitation and / or delirium Pain Click on each Symptom to learn more. 	Display OST in sync	creen with Tab interactivity. with VO as Tab. icks a tab, display the popup.
			shutterst-ck Stock Photo ID: 2520	Chutter treet Chutter Chutter treet Chutter Chutter treet Chutter treet Chutter treet Chutter treet Chu



 Assessment of the patient's level of distress should guide management and include consideration of their ability to function and psychological wellbeing.

Non medication management

- Where possible, position a fan near the patient face or increase room ventilation
- Reassurance is key in managing these patients.
 Remember to always reassure your patients.

Managing Dyspnoea requires Medication like

- Morphine is the first line agent
- Midazolam is the preferred agent where dyspnoea is associated with anxiety
- Fentanyl should be used where morphine is contraindicated

- reassurance should not be undervalued.
- Assessment of the patient's level of distress should guide management and include consideration of their ability to function and psychological wellbeing.

Non medication management

 Position a fan near the patient face or increase room ventilation

Remember to always reassure your patients **Medication**

management

- Morphine is the first line agent
- Midazolam is the preferred agent where dyspnoea is associated with anxiety.
- Fentanyl should be used where morphine is contraindicated

Excess Respiratory Tract Secretions

Pooling of respiratory secretions occurs when patients are in the terminal phase and are unable to cough, swallow or clear saliva.

 Noisy breathing occurs with the movement of air through mucous and phlegm and is a normal part of the dying process.

General Notes:

- Pooling of respiratory secretions occurs when patients are in the terminal phase and are unable to cough, swallow or clear saliva.
- Noisy breathing occurs with the movement of



Stock Vector ID: 134798888

- Noisy breathing is unlikely to cause the patient distress but can be distressing for family members, carers and clinicians.
- Normalising this symptom and providing reassurance and explanation is the most effective management approach.
- The Sims position may be beneficial for the patient. This is when you Position the patient semi-prone and on alternative sides to encourage postural drainage

Click on the practice point icon to view the Sims position.

- Consider Hyoscine Butylbromide or Glycopyrrolate for these symptoms if the patient has these medications available in their home in their palliative care kit.
- Suction is not recommended as it can induce a gag reflex and cause further distress to the patient. Where suction is included in the patient's anticipatory management plan, caution should be taken to ensure that a gag reflex is not induced.

- air through mucous and phlegm
- Noisy breathing can be distressing for family members, carers and clinicians.

Non Medication management

 Normalising this symptom and providing reassurance and explanation

The Sims position – Position the patient semi-prone and on alternative sides to encourage postural drainage

Click on the practice point icon to view the Sims position.

Medication management

- Hyoscine Butylbromide or Glycopyrrolate if these medications are available in their palliative care kit.
- Where suction is included in the patient's anticipatory management plan, caution should be taken to ensure that a gag reflex is not induced.

Show OST 'The Sims position' under the icon.

Upon clicking of the above icon, show image given below.



Sims.jpg

Nausea and / or vomiting

4. General Notes

Nausea and/or vomiting is a common and distressing symptom, which may occur due

General Notes

Occurs due to underlying disease processes,

- to underlying disease processes, diseasemodifying treatments and medications such as opiates and chemotherapy agents.
- Consideration of the underlying cause of symptoms should guide the management approach and alternate anti-emetics should be considered if the first line agent is ineffective.

Non medication management of nausea

 Inhaled isopropyl alcohol (IPA) has been shown in studies to reduce nausea and potentially negate the need for antiemetic administration for nausea.

Medication management of nausea and vomiting

- Adult
 - Metoclopramide is the first line agent for nausea and vomiting.
 - Droperidol should be used where metoclopramide is ineffective, the maximum dose has been administered, or the patient has renal impairment and/or a bowel obstruction.
- Paediatric
 - Ondansetron is the preferred antiemetic for managing nausea and/or vomiting in paediatric patients.

Click on the practice point icon to know more about Ondansetron.

Note that Ondansetron is not the preferred option as an anti emetic due to its possible outcome of constipation. Most, if not all, patients on an opiate pain relief regime will already be on a prokinetic such as Metoclopramide. If this is the case and the

- disease-modifying treatments and medications such as opiates and chemotherapy agents.
- Consideration of the underlying cause of symptoms should guide the management approach and alternate anti-emetics should be considered if the first line agent is ineffective.

Non medication management of nausea

 Inhaled isopropyl alcohol (IPA) has been shown in studies to reduce nausea and potentially negate the need for antiemetic administration for nausea.

Medication management of nausea and vomiting

- Adult
 - Metoclopramide is the first line agent
 - Droperidol should be used where metoclopramide is ineffective, the maximum dose has been



Stock Vector ID: 134798888

Show OST 'Ondansetron' under the icon.

On clicking the icon, show OST in sync with VO:

'Ondansetron is not the preferred option as an anti emetic due to its possible outcome of constipation. Most, if not all, patients on an opiate pain relief regime will already be on a prokinetic such as Metoclopramide. If this is the case and the patient is still experiencing nausea and vomiting, then proceed to Droperidol'.

patient is still experiencing nausea and vomiting, then proceed to Droperidol.

administered, or the patient has renal impairment and/or a bowel obstruction.

- Paediatric
 - Ondansetron is the preferred anti-emetic

Click on the practice point icon to know more about Ondansetron.

Restlessness, agitation and / or delirium

5. General Notes

- Restlessness, agitation and / or delirium are symptoms commonly experienced during the terminal phase, and can be distressing for patients, families and carers.
- The goal of management is to reduce the patients distress and manage underlying causes.

Medication management of restlessness, agitation and / or delirium

- Haloperidol is commonly prescribed for palliative care patients and has similar pharmacokinetic properties to droperidol, for the management of restlessness and agitation.
- In New South Wales Ambulance, droperidol is the preferred antipsychotic and can be administered as a substitute where haloperidol may be indicated and is not available. It is important to remember not

General Notes

- Commonly experienced during the terminal phase
- Can be distressing for patients, families and carers.
- The goal of management is to reduce the patients distress and manage underlying causes.

Medication management

 Haloperidol is commonly prescribed for palliative care patients and has similar pharmacokinetic properties to droperidol, for the management of



Stock Vector ID: 134798888

Show OST 'Droperidol' under the icon.

On clicking the icon, show OST in sync with VO:

'It is important to remember not to administer both Haloperidol and Droperidol.

- to administer both Haloperidol and Droperidol.
- Midazolam is the second line approach where droperidol is contraindicated or ineffective and is the recommended agent for paediatric patients.

Click on the practice point icon to know more about Droperidol.

- restlessness and agitation.
- In NSW Ambulance, droperidol is the preferred antipsychotic and can be administered as a substitute where haloperidol may be indicated and is not available.
- Midazolam is the second line approach where droperidol is contraindicated or ineffective and is the recommended agent for paediatric patients.

Click on the practice point icon to know more about Droperidol.

6. General Notes

- A common and complex symptom which may occur due to underlying disease processes, disease-modifying treatments, co-morbid illness and psychosocial distress.
- Pain can be anticipated and prevented with regularly dosed analgesia, in conjunction with 'as required' doses for breakthrough pain.
- For acute pain presentation, focus on prompt pain relief and then consider the underlying cause.

Pain General Notes

- A common and complex symptom which may occur due to underlying disease processes, disease-modifying treatments, co-morbid illness and psychosocial distress.
- Pain can be anticipated and prevented with regularly dosed analgesia, in conjunction

- Ongoing management of pain should be based on the patient's likely illness trajectory, their goals of care, wishes and whether their current management plan is adequately managing their symptoms.
- Fentanyl should be used where morphine is contraindicated & HYDROmorphone can be administered under a standing authority if it is available.
- Consider reversible causes and nonpharmacological management prior to medication administration.
- Exclude reversible conditions such as urinary retention, constipation, infection, positioning, anxiety or fear.

- with 'as required' doses for breakthrough pain.
- For acute pain presentation, focus on prompt pain relief and then consider the underlying cause.
- Ongoing management of pain should be based on the patient's likely illness trajectory, their goals of care, wishes and whether their current management plan is adequately managing their symptoms.

Medication management

- Fentanyl should be used where morphine is contraindicated & HYDROmorphone can be administered under astanding authority if it is available.
- Consider reversible causes and nonpharmacological management prior to medication administration.
- Exclude reversible conditions such as urinary retention, constipation, infection,

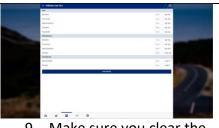
		positioning, anxiety or fear.	
		Tab activity ends	
7.	Here's the list of symptoms and the authorised medications from New South Wales Ambulance Formulary used in the treatment.	Symptom Still Ambufunce Formulary Authorized Matthematical Consister Formulary Note of the pager from anterior steads. Formulary Note of the pager from anterior steads. Note of the pager for an anterior steads. Note of the pager for an anterior steads. Note of the pager for an anterior stead. Note of the pager for an anterior stead. Note of the pager for an anterior stead of the pager for anterior stead of the pager for an anterior stead of the pager for anterior stead of the pager for an anterior stead of the pager for anterior stead of the pager for an anterior stead of the pager for anterior stead of the pager for an anterio	Display the OST (card) in sync with VO. Pause for 5 seconds.
8.	Non-pharmacological symptom management should be considered prior to medication administration. Refer to the reference card of Non pharmacological symptom management and treatment	Palliative Care Non-Pharmacological Symptom Management Reference Card More Management Reference Card More Management Reference Card According to garden Emma actimization for the gard at hings. According to garden Emma actimization for the gard at hings. Reference Card More Management Reference Card According to garden Emma actimization for the gard at hings. Reference Card to garden Emma actimization for the garden Em	Display the OST (card) in sync with VO. Pause for 5 seconds.

Topic		EoLPC Management		Screen type	Simulation
Scree	n Title	Determining a breakthrough dose		Screen label	010
No.	Audio	/vo	OST	Visuals and Develo	pment instructions
1.		to the reference card of Determining a hrough dose.	Palliative Care - Determining a breakthrough dose Reference Card Ceneral Notes • Illustracycly popied doses should take into account the patient's total 24 hour dose of regularly prescribed popiers, to ensure that they receive a clinically effective dose. • Priser's that requirely take opier medication may require higher breakthrough doses to office a dose, and a second of the properties of the patient's properties of the properties of t	Display the OST (car Pause for 5 seconds	
1A	Clinica dosage If there admin advise practic regula	patients 24-hour dose is lower than what the I Practice Guidelines states, revert to the es listed in the Clinical Practice Guidelines. The is any doubt in the amount of medication istered in a 24-hour period, then clinicians are doto revert to the doses listed in the clinical enguidelines or seek advice from the patients or care team. The is any doubt in the amount of medication is any doubt in the amount of medication is are do not revert to the doses listed in the clinical enguidelines or seek advice from the patients or care team.	 Clinicaians should revert to The dosage listed in Clinical Practice Guidelines, if the patients 24-hour dose is lower than what the Clinical Practice Guidelines states The doses listed in the clinical practice guidelines or seek advice from the patients regular care team, if there is any doubt in the amount of medication administered in a 24-hour period Contact the clinical Assistance line for further guidance, if dosage information is not available 	Ambo at Computer.	jpg
2.		are the URL links which will assist in your mination of breakthrough dose.	Visit Ambulance Victoria CPGs or https://cpg.ambulance.vic.gov. au/#/entry		

3.	Scroll down on the disclaimer	1. Scroll down on the disclaimer	
4.	Click on OK	Click on OK	
5.	Click anywhere on the screen to proceed	3. Click anywhere on the screen to proceed	
6.	Click on the calculator icon on the bottom of the screen	4. Click on the calculator icon on the bottom of the screen	

7.	Select 'Palliative Care Tool'	5. Select 'Palliative Care Tool'	
8.	Read the Disclaimer and click 'Proceed'	6. Read the Disclaimer and click 'Proceed'	
9.	Input doses administered over a 24-hour period and click calculate	7. Input doses administered over a 24- hour period and click calculate	
10.	Click back to calculate a new dose	8. Click back to calculate a new dose	

11.	Make sure you clear the previous calculations prior to a new calculation



 Make sure you clear the previous calculations prior to a new calculation A note icon will be shown at the end.
The user will be able to click that icon to see the information below:

IMPORTANT TO NOTE:

- Doses are to be rounded up to the nearest 2.5mg dose (if applicable)
- For education purposes, consultation with a Clinical Assistance Line (CAL) clinician and speaking with a doctor is considered expert consultation.

Topic	EoLPC Management		Screen type	Text and image
Screen Title Knowledge Check			Screen label	011
No. Aud	io/VO	OST	Visuals and Development instructions	
1.			Person completing the task is no further into the course until they Allow the person to complete all them a score with the option of a check. If they scored lower than 100% we reviewing material on "Determine" "slide. Once they achieve 100% then the	

Topic		EoLPC Management		Screen	type	Text and image
Scree	n Title	Case Scenario One		Screen	label	012
No.	Audio	/VO	OST	Visuals	and Developm	nent instructions
1.	Kristy	is a 53-year-old woman with extensive	Kristy is a 53-year-old woman	MCQ		
	metas	tatic invasive ductal carcinoma. She has	with extensive metastatic	Answei	rs are in bold.	
	multip	le metastases to bone, and liver, and two	invasive ductal carcinoma. She			
	brain i	metastases.	has multiple metastases to	Right a	answer:	
	She ha	as had palliative radiotherapy for bone	bone, and liver, and two brain	That's	correct.	
	metas	tases pain a few months ago.	metastases.	20.0 m	g Subcut	
	She is	linked to the community palliative care	She has had palliative	•	Kristy has a 75	imcg/hr transdermal fentanyl patch
	team.		radiotherapy for bone	•	She has taken	a total of 5 Oxycodone tablets in 24
		as been living at home, but in the past two	metastases pain a few months		hours totalling	100mg of oxycodone.
		has become increasingly weak and anorexic.	ago.	_	answer:	
		as had increasing pain and some episodes of	She is linked to the community	That's i	incorrect.	
		confusion and short-term memory loss. She	palliative care team.			
		mildly nauseated (no vomiting) and is now	She has been living at home, but			
		e to eat very much and has been having	in the past two weeks has			
		sing difficulty swallowing her tablets.	become increasingly weak and			
		urrent background opioid medications are a	anorexic. She has had increasing			
		nyl patch 75 mcg/hr, with PRN Oxycodone	pain and some episodes of brief			
		orm) 20mg capsule 4 hrly for breakthrough	confusion and short-term			
	-	She has taken five Oxycodone (Oxynorm)	memory loss. She feels mildly			
	-	les in the past 24hrs.	nauseated (no vomiting) and is			
		reviewed at home by an NSW Ambulance	now unable to eat very much			
		an and a decision is made to provide a PRN	and has been having increasing			
		taneous injection dose of morphine for	difficulty swallowing her			
		through pain.	tablets.			
		is the breakthrough morphine dose for	Her current background opioid			
	Anne?	,	medications are a Fentanyl			
			patch 75 mcg/hr, with PRN			
			Oxycodone (Oxynorm) 20mg			
			capsule 4 hrly for breakthrough			
			pain. She has taken five			
			Oxycodone (Oxynorm) capsules			
]		in the past 24hrs.			

She is reviewed at home by an NSW Ambulance Clinician and a decision is made to provide a PRN subcutaneous injection dose of morphine for breakthrough pain. What is the breakthrough morphine dose for Anne?
1.20.0 mg Subcut 2.16.5mg subcut 3.18.0mg subcut 4. 12.0mg subcut

Topic	EoLPC Management		Screen type	Text and image
Screer	n Title Case Scenario Three		Screen label	014
No.	Audio/VO	OST	Visuals and Develop	ment instructions
1.	Geoff, a 52-year-old owner/operator of a pest	Geoff, a 52-year-old	MCQ	
	control franchise, lives at home with his wife and	owner/operator of a pest	Answers are in bold.	
	eight-year-old son.	control franchise, lives at home		
	He was diagnosed with pancreatic cancer six	with his wife and eight-year-old	Right answer:	
	months ago and underwent a Whipple's procedure	son.	That's correct.	
	with initially good outcomes. Geoff has a history of	He was diagnosed with	Current S9: 2.5 – 5mg	g SC, repeat 15 mins. Total max dose:
	Diabetes Mellitus Type II which was previously well	pancreatic cancer six months	10mg per episode, 1	5mg within 24 hours.
	controlled with diet but is now taking Metformin	ago and underwent a Whipple's	Geoff has NOT had a	ny opiate based pain relief
	500mg and NovoRapid PRN in case he experiences	procedure with initially good	medications adminis	tered in the last 24 hours – he has
	spikes in his blood sugar levels. He is also taking	outcomes. Geoff has a history of	only been prescribed	I it and the script has not been
	Amlodipine, Atorvastatin, Paracetamol. No	Diabetes Mellitus Type II which	dispensed yet	
	allergies.	was previously well controlled		
	His care has been managed by the GP since his	with diet but is now taking	Wrong answer:	
	discharge after the Whipple's procedure.	Metformin 500mg and	That's incorrect.	
	The last 24 hours have been increasingly painful for	NovoRapid PRN in case he		
	Geoff with episodes of significant abdominal pain	experiences spikes in his blood		
	for which he was given basic analgesia by his wife,	sugar levels. He is also taking		
	with little effect.	Amlodipine, Atorvastatin,		
	Geoff's wife spoke with his GP late yesterday	Paracetamol. No allergies.		
	afternoon and prescribed oral morphine (Ordine)	His care has been managed by		
	5mg orally 4 hrly but the prescription has not been	the GP since his discharge after		
	filled as the chemist in town was already closed.	the Whipple's procedure.		
	Geoff initially agreed not to accept referral to the	The last 24 hours have been		
	local community palliative care services but due to	increasingly painful for Geoff		
	increasing immobility and burden of care on	with episodes of significant		
	Geoff's wife, he has reluctantly agreed to be	abdominal pain for which he		
	assessed by the local palliative care team, but his	was given basic analgesia by his		
	appointment is not until 1100 today.	wife, with little effect.		
	It is currently 0200 and his wife has called triple	Geoff's wife spoke with his GP		
	zero to see if the NSW ambulance can help get his	late yesterday afternoon and		
	pain under control.	prescribed oral morphine		
		(Ordine) 5mg orally 4 hrly but		

Geoff does not want to go to hospital and would rather stay at home as he is worried that he will miss his appointment with the palliative care team who are visiting him at home.

What medications could you give Geoff and what dose would you administer?

the prescription has not been filled as the chemist in town was already closed.

Geoff initially agreed not to accept referral to the local community palliative care services but due to increasing immobility and burden of care on Geoff's wife, he has reluctantly agreed to be assessed by the local palliative care team, but his appointment is not until 1100 today. It is currently 0200 and his wife has called triple zero to see if the NSW ambulance can help get his pain under control. Geoff does not want to go to hospital and would rather stay at home as he is worried that he will miss his appointment with the palliative care team who are visiting him at home. What medications could you give Geoff and what dose would

you administer?

1.2.5 – 5mg SC, repeat 15 mins. Total max dose: 10mg per episode, 15mg within 24 hours.

Geoff has NOT had any opiate based pain relief medications administered in the last 24 hours - he has only been

prescribed it and the script	nas
not been dispensed yet	
2. 10mg SC with nil repeat	
3. 18mg SC with one repeat	in 5
minutes	
4. 12.5 mg IV with nil repea	

Topic		EoLPC Management		Screen type	Text and image	
Scree	n Title	Case Scenario Four		Screen label	015	
No.	Audio	/VO	OST	Visuals and Development instructions		
1.	Julia, a	a 48-year-old patient who identifies as	Julia, a 48-year-old patient who	MCQ		
	female, is suffering from end stage liver failure		identifies as female, is suffering	Answers are in bo	ld.	
	secon	dary to former intravenous drug use. Her	from end stage liver failure			
	carer	has contacted triple zero after experiencing	secondary to former	Right answer:		
		sing RUQ abdominal pain for the last 2 days.	intravenous drug use. Her carer	That's correct.		
	Julia is	s currently taking 80mg daily of oral	has contacted triple zero after			
	metha	adone as part of a long-term methadone	experiencing increasing RUQ	CALL CLINICAL AS	SISTANCE LINE (CAL) FOR ADVICE;	
	maint	enance program after a history of heroin	abdominal pain for the last 2	PATIENT ALREAD	Y ON METHADONE AND A	
	addict	tion. Julia is also Hep C and HIV +ive and has	days.	BREAKTHROUGH	DOSE CANNOT BE SAFELY CALCULATED	
	had a	previous episode of ascites and suffers from	Julia is currently taking 80mg			
	portal	hypertension, chronic renal failure, and	daily of oral methadone as part	Wrong answer:		
	diabet	tes.	of a long-term methadone	That's incorrect.		
	Julia's	carer has called triple zero after her normal	maintenance program after a			
	pain r	elief medications are not working. Along with	history of heroin addiction. Julia			
		ethadone, she is currently taking Gabapentin	is also Hep C and HIV +ive and			
	1	g bd, Naproxen 500mg bd, Sofosbuvir 400	has had a previous episode of			
		elpatasvir 100 mg/voxilaprevir 100 mg	ascites and suffers from portal			
	-	vi) 1 tablet daily for her Hep C and	hypertension, chronic renal			
		egravir 50 mg/abacavir 600 mg/lamivudine	failure, and diabetes.			
		ng (Triumeq) for her HIV. She often self-	Julia's carer has called triple			
		rates with non-medicinal cannabis.	zero after her normal pain relief			
		has expressed that she does not want to go to	medications are not working.			
		tal and would like to remain at home.	Along with her methadone, she			
	Calcul	ate her breakthrough dose of pain relief.	is currently taking Gabapentin			
			300mg bd, Naproxen 500mg bd,			
			Sofosbuvir 400 mg/velpatasvir			
			100 mg/voxilaprevir 100 mg			
			(Vosevi) 1 tablet daily for her			
			Hep C and Dolutegravir 50			
			mg/abacavir 600 mg/lamivudine			
			300 mg (Triumeq) for her HIV.			

She often self-medicates with	
non-medicinal cannabis.	
Julia has expressed that she	
does not want to go to hospital	
and would like to remain at	
home.	
Calculate her breakthrough	
dose of pain relief.	
3.333 3. p 3	
1.CALL CLINICAL ASSISTANCE	
LINE (CAL) FOR ADVICE;	
PATIENT ALREADY ON	
METHADONE AND A	
BREAKTHROUGH DOSE	
CANNOT BE SAFELY	
CALCULATED	
2. 2.5mg-5mg subcut per the	
CPG for pain management	
3. 12.0mg subcut	
4.18mg subcut	

Topic	EoLPC Management		Screer	n t	уре		Blended
Screen Title	Paediatric palliative care patients	diatric palliative care patients		n la	abel		016
No. Audi	o/VO	OST	Visuals and Development instructions			nent instructions	
1. C SI M Any C Paed Clinic HCR,	linicians who have been trained to use a abboutaneous intima may administer dedication through the port that is not stached to a syringe driver. Ilinicians are permitted to administer dedication/s and leave patients in the home or decility, providing all reasonable steps have deen taken to mitigate risk, the detient/family/carer/person responsible have drovided informed consent and a plan for deciling management has been made (where deciling and management has been made (where deciling management has been made (where deci	Clinicians for paedeatric palliative care patients who are known to a specalised palliative care: • Trained to use a subcutaneous intima may administer medication through the port that is not attached to a syringe driver • Are permitted to administer medication/s and leave patients in the home or facility, providing all reasonable steps have been taken to mitigate risk, the patient/family/carer/person responsible have provided informed consent and a plan for ongoing management has been made (where possible) Clinicians for Paediatric palliative care patients: • Calculate Paediatric doses (≤ 16 years) on estimated weight • Seek further clinical advice from the Statewide	A note The us inform Note: Statew Contac	wid ct v S 1 T O Jo	on will in will be will be rion below with your control of the con	be sho able tow: iatric Fich boa Children's	Jumns in sync with VO. Own at the end. To click that icon to see the Palliative On-Call service.

Paediatric Palliative On-Call	
service and/or the Clinical	
Asisstance Line if further	
doses are required	
Any clinical advice provided	
from the Statewide Paediatric	
Palliative On-Call service and/or	
the Clinical Advice Line must be	
well documented on the HCR,	
including the clinician's name,	
clinical position and outcome of	
shared decision making	

Topic		EoLPC Management		Screen type	Blended
Scree	n Title	Resource acknowledgement		Screen label	017
No.	Audio	/VO	OST	Visuals and Develop	ment instructions
1.		,	The NSW Ambulance End of Life and Palliative Care team acknowledges the contribution of the following individuals and groups in the development of this resource: • The PEPA/IPEPA National Project Team and Jurisdictional partners	Display OST.	
			 The PCC4U National Project Team The ELLC Project Team Subject matter experts from university and clinical education settings who provided peer review and expert opinions 		

Topic		EoLPC Management		Screen type				
Scree	n Title	Reflection				018		
No.	o. Audio/VO OST			Visuals and Development instructions				
1.	develo questi 1. W	port you continuing professional opment, please answer these following ons. nat did you learn in this module? wwwill this change your practice?	Optional: Complete the sections beloes upporting evidence for your Continuer Professional Development requirement. 1. What did you learn in this mode	uing ents dule?	submit b	ut fields after each question with a utton. Both questions are optional. vide ability for participants to ve as PDF.		

Topic		EoLPC Management		Screen type		
Screer	creen Title Thank you			Screen label 019		019
No.	Audio/VO OST		OST	Visuals and Developmen		nent instructions
1.	Stand	ard course completion screen				