Summary of the changes to COSTaRS Practice Guides for the 2020 Update

Changes in	Changes Overall	Status
COSTaRS Steering	ADDED: Names and affiliations of Current Committee members and	Update
Committee	Immune Checkpoint Inhibitor Therapy Working Group members were	
	added.	
Overview and	ADDED: "In January 2020, the 15 symptom practice guides were	Update
Practice Guide	updated with evidence using systematic review methods described	
Development	previously and new practice guides for Mouth Dryness/Xerostomia and	
	Skin Rash were added. At the COSTaRS priority setting meeting in 2017,	
	adding evidence for patients receiving Immune Checkpoint Inhibitor	
	therapy into the practice guides was identified as high priority given the	
	increased use of immunotherapy and the special considerations	
	required for managing treatment related symptoms. Key assessment	
	and self-care items for patients receiving immunotherapy were added.	
	End-users asked how severity assessment correlated with the NCI-	
	CTCAE grading that they use in their assessments, clinical	
	documentation and communications with physicians therefore NCI-	
	CTCAE grading has been linked to applicable assessment questions in	
	the practice guides."	
Formatting and	REMOVED: Bradma label section (Name, Date of Birth, Sex, Date and	Update
language	Time) for more white space.	
	CHANGED: Font changed from Times New Roman to Arial.	Update
	CHANGED: Wording throughout the set of symptom practice guides has	Update
	been simplified where possible to facilitate communication between	
	nurses using the practice guides and patients/families	
Assess Severity	CHANGED: For symptoms that correspond with ESAS, wording was	Update
	updated for consistency with the revised ESAS (ESAS-r): Anxiety,	
	Appetite Loss, Depression, Fatigue.	
	Watanabe SM, Nekolaichuk C, Beaumont C, Johnson L, Myers J, Strasser	
	F. A multi-centre comparison of two numerical versions of the	
	Edmonton Symptom Assessment System in palliative care patients J	
	Pain Symptom Manage 2011; 41:456-468.	
	CHANGED: The ESAS scale was removed and incorporated into the	Update
	Assessment table as a single question for all relevant symptoms.	
	CHANGED: The Worry scale (0-10) was removed and incorporated into	Update
	Assessment table for all relevant symptoms: "Are you worried about	
	your [symptom]?" with response choices No/Some and Yes, very.	
	ADDED: NCI-CTCAE grading linked to applicable assessment questions in	NEW
	the COSTaRS practice guides given end-users asked how severity	
	assessment correlated with the NCI-CTCAE grading that they use in	
	their assessments, clinical documentation and communications with	
	physicians. The COSTaRS symptom practice guide assessment and	
	triage section provides a more comprehensive assessment then the	
	single NCI-CTCAE assessment. Questions in line with NCI-CTCAE grading	
	are identified where applicable and severity is denoted with superscript	
	symbols: G1, G2, ≥G3 where G1=Grade 1, G2=Grade 2, ≥G3=Grade 3 or	
	higher.	

	National Institutes of Health: National Cancer Institute. Common	
	terminology criteria for adverse events (CTCAE) v5.0. 2017.	
	ADDED: Questions specific to patients receiving Immune Checkpoint Inhibitors have been added. These items are denoted with the following symbol (→) and shaded in grey.	NEW
	CHANGED: For symptoms with the risk of dehydration (Loss of appetite, Diarrhea, Mouth sores, Nausea) the question regarding fluid intake was reworded to ensure a more comprehensive assessment.	Update
Triage	CHANGED: "Advise to call back" to "Advise to notify" given the COSTaRS practice guides may also be used by health care providers during face to face encounters.	Update
	ADDED: for Severe "Alert clinician if on immunotherapy."	NEW
Medications	ADDED: Commonly prescribed medications for patients receiving Immune Checkpoint Inhibitor therapy were added where appropriate	NEW
	CHANGED: Medications were re-ordered to list them in order by level of evidence (effective to expert opinion) except in cases where there is a stepped approach to management.	Update
Self-care strategies	CHANGED: The heading for "4. Review self-care strategies" was changed to "4. Review 3 or more self-care strategies".	NEW
	CHANGED: Bold was applied to key words in the Self-care Strategies (section 4 of the practice guides) to address the concern that the document was "wordy" raised by end-users	Update
Summarize plan	CHANGED: "caller" to "patient" given the COSTaRS practice guides may also be used by health care providers during face to face encounters.	Update
Legend:	ADDED: legend to denote assessment items related to Immune Checkpoint Inhibitor therapy and NCI-CTCAE grading	NEW
Mouth Dryness/ Xerostomia	NEW practice guide added for Mouth Dryness/Xerostomia due to systemic therapies in response to requests for this guideline.	NEW
Skin Rash	NEW practice guide added for Skin Rash due to systemic therapies in response to requests for this guideline.	NEW
Section of guide	Changes for ANXIETY	Status
Definition	ADDED: "feeling of" worry to the definition.	Update
	CHANGED: Wording for ESAS was updated for consistency with the revised ESAS-r. "Not anxious" updated to "No Anxiety".	Update
	CHANGED: In the list of risk factors for Anxiety, "Living alone" was changed to "Lack of social support" to encompass other forms of isolation e.g., separation from extended family/cultural community.	Update
	ADDED: "On steroids" to the list of risk factors for Anxiety	NEW
	MOVED: The question "Do have any concerns that are making you feel more anxious" was moved to the assessment table.	Update
	ADDED: "spiritual/religious concerns" given multiple new guidelines are recommending spiritual and chaplaincy care be included as part of psychosocial services.	NEW

		1
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of hyperthyroidism): ☐ Weight	
	loss, ☐ Heart pounding or racing, ☐ Tremors, ☐ Feeling overheated, ☐	
	Diarrhea" given anxiety is one of several signs/symptoms of	
Triogo	thyrotoxicosis.	NIT\A/
Triage	ADDED: "Alert clinician if on immunotherapy" for triage level severe.	NEW
Review	CHANGED: Level of evidence for Benzodiazepines upgraded from Expert	Update
medications	Opinion to Likely Effective.	I I a data
	ADDED: Cautionary footnote "Benzodiazepines are intended for short	Update
	term use. Caution: may cause confusion, ataxia and falls in the elderly."	
Self-Care	CHANGED: Merged self-care items #3 (more information about cancer	Update
Strategies	or your treatment) and #4 (more information about your symptoms)	
	into one item "Would more information about your symptoms, cancer	
	or your treatment help to ease your worries? If yes, provide relevant	
	information or suggest resources"	
	ADDED: "If your concerns are spiritual or religious in nature, have you	NEW
	tried spiritual counseling, meaning-focused meditation, prayer,	
	worship, or other spiritual activities?" given multiple new guidelines are	
	recommending spiritual and chaplaincy care be included as part of	
	psychosocial services.	
References	10 new evidence sources; 0 outdated sources removed	NEW
Section of guide	Changes for APPETITE LOSS	Status
Accord coverity	LCHANGED: Recognice antions for the question "How much have you had	Update
Assess severity	CHANGED: Response options for the question "How much have you had	Opuate
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal	Opuate
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less	Opuate
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all".	
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items	Update
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment:	
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?"	
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8	
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips"	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite	
Assess severity	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? Sore mouth, Early	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? Sore mouth, Early fullness, Taste/smell changes, Nausea/vomiting, Swallowing	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? Sore mouth, Early fullness, Taste/smell changes, Nausea/vomiting, Swallowing problems, Pain, Constipation, Diarrhea, Fatigue,	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? Sore mouth, Early fullness, Taste/smell changes, Nausea/vomiting, Swallowing problems, Pain, Constipation, Diarrhea, Fatigue, Depression, Breathlessness"	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? Sore mouth, Early fullness, Taste/smell changes, Nausea/vomiting, Swallowing problems, Pain, Constipation, Diarrhea, Fatigue, Depression, Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? Sore mouth, Early fullness, Taste/smell changes, Nausea/vomiting, Swallowing problems, Pain, Constipation, Diarrhea, Fatigue, Depression, Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): fatigue,	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair loss, ☐ puffy face, ☐ constipation, ☐ nausea, ☐ fever."	Update NEW
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair loss, ☐ puffy face, ☐ constipation, ☐ nausea, ☐ fever." ADDED: New assessment item for patients on Immune Checkpoint	Update
Assess seventy	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair loss, ☐ puffy face, ☐ constipation, ☐ nausea, ☐ fever." ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of renal toxicity): ☐ decreased	Update NEW
	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair loss, ☐ puffy face, ☐ constipation, ☐ nausea, ☐ fever." ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of renal toxicity): ☐ decreased urine, ☐ blood in urine, ☐ swelling of hands or legs"	NEW NEW
Triage	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair loss, ☐ puffy face, ☐ constipation, ☐ nausea, ☐ fever." ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of renal toxicity): ☐ decreased urine, ☐ blood in urine, ☐ swelling of hands or legs" ADDED: "Alert clinician if on immunotherapy" for triage level severe.	NEW NEW
	to eat in past 24 hours (e.g. at each meal)? (compared to your normal intake)" were changed from "Some", "Minimal", and "None" to "Less than normal", "Much less than normal" and "Not eating at all". CHANGED: Assessment of food and fluid intake separated into 2 items for a more comprehensive assessment: "How much have you eaten in the past 24 hours (e.g. at each meal)?" "How much fluid are you drinking per day?" with response options "6-8 glasses", "1-5 glasses", and "Sips" ADDED: Assessment item for symptom-related risk factors for appetite loss: "Do you have any other symptoms? ☐ Sore mouth, ☐ Early fullness, ☐ Taste/smell changes, ☐ Nausea/vomiting, ☐ Swallowing problems, ☐ Pain, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Depression, ☐ Breathlessness" ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of endocrine toxicity): ☐ fatigue, ☐ headache, ☐ eyes sensitive to light, ☐ confusion, ☐ dry skin, ☐ hair loss, ☐ puffy face, ☐ constipation, ☐ nausea, ☐ fever." ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy: "Do you have (signs of renal toxicity): ☐ decreased urine, ☐ blood in urine, ☐ swelling of hands or legs"	NEW NEW

	ADDED: Prokinetics (metoclopramide, domperidone) for early satiety	NEW
	and nausea. Level of evidence: Expert Opinion	
	ADDED: Cautionary footnote "Megestrol has potential for serious side effects such as blood clot"	NEW
Self-Care Strategies	ADDED: "Sitting upright for 30-60 min helps digestion" to existing self-care item "Are you trying to eat 5-6 small meals?"	Update
	ADDED: "If food odours bother you, have you tried eating foods that are cold, with less odour, or avoiding being in the kitchen during meal preparation?"	NEW
	ADDED: "Do you have beliefs about certain foods (e.g. cultural or think some foods cause cancer) or pre-existing diet (e.g. diabetes) that may affect your eating habits?"	NEW
	ADDED: Do you have a diary to track your food, fluid intake and weight?	NEW
	ADDED: If your food intake has been very low for a long time, are you slowly increasing your intake over several days (to prevent refeeding syndrome)?	NEW
	ADDED: To the self-care item "Have you spoken with a dietitian?" added "If you are having taste changes, they can suggest ways to help lessen your symptoms."	Update
References	7 new evidence sources; 1 outdated source removed	NEW
Section of guide	Changes for BLEEDING	Status
Definition	ADDED: "wound or ulcer" added to the list of factors that cause bleeding	Update
Assess severity	REMOVED: The question "How much blood loss" was merged with existing item in the assessment table below "How much are you bleeding".	Update
	ADDED: Examples for amounts of blood loss have been provided for "Minor" (e.g. 1 tsp), "Some" (e.g. 1 tbsp), and "Gross" (e.g. ¼ cup)	Update
	ADDED: For the question "Do you have any bruises?" the word "new" was added - "Do you have any new bruises?"	Update
	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Bruising or bleeding more easily than normal?" which may indicate immune-mediated hepatitis. Small, unexplained bruises may indicate hemolytic uremic syndrome.	NEW
	ADDED: An example of time frame for blood clotting was added to the question "Have you had problems with blood clotting (e.g. >10-15min)"?	Update
	ADDED: The descriptor "tarry" was added to the assessment item "Do you have any blood in your: stool or is it black/tarry?"	Update
	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Do you have any blood: In your nose and mouth?" which may indicate hemolytic uremic syndrome.	NEW
	CHANGED: The item regarding menstrual periods was re-worded from "Women only: Has there been an increase bleeding with your menstrual periods?" to "If you are having menstrual periods has there been an increase bleeding?"	Update

	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Do you have (signs of hematological adverse effects): ☐ Weak, ☐ pale, ☐ yellow skin/eyes"	NEW
	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Results of your last liver function blood test?" given bleeding more easily than normal may indicate immune-mediated hepatitis.	NEW
	ADDED: NSAIDs was added to the list of examples of medications that increase the risk of bleeding.	Update
	ADDED: "herbal" was added to the list of examples of medications that increase the risk of bleeding to prompt the nurse to consider natural health products and other complementary therapies.	Update
Triage	ADDED: "Alert clinician if on immunotherapy" for triage level severe.	NEW
Review medications	CHANGED: Level of evidence for Mesna oral or IV downgraded from Effective to Likely effective.	Update
	ADDED: Tranexamic acid with level of evidence Likely effective	NEW
	ADDED: Pantoprazole IV (Panto IV [®]) for GI bleeding with level of evidence Expert opinion	NEW
	ADDED: Octreotide IV (Sandostatin®) for GI bleeding with level of evidence Expert opinion	NEW
	ADDED: Corticosteroids/prednisone for Immune-mediated adverse events (hepatitis, hemophilia, and hemolytic uremic syndrome) with level of evidence Expert opinion	NEW
	ADDED: Factor replacement for immunotherapy-related acquired hemophilia with level of evidence Expert opinion	NEW
	ADDED: Eculizumab for immunotherapy-related hemolytic uremic syndrome with level of evidence Expert opinion	NEW
Self-Care Strategies	REMOVED: The item "What is your goal for managing the bleeding" given no evidence from source guidelines to support this recommendation.	Update
References	9 new evidence sources; 1 outdated source removed	NEW
Section of guide	Changes for BREATHLESSNESS/ DYSPNEA	Status
Assess severity	 Added: new assessment items relevant for cancer treatment-related cardiotoxicity (♥ symbol). (F Kelly et al. 2017). "Do you have a new cough or wheezing?" (If you have chest pain) "Does it go away with: Rest or Medication?" "Do you have any other symptoms?" (e.g. Fatigue) "Have you gained or lost weight in the last week?" "Have you raised the head of your bed or increased the number of pillows you need to sleep?" "Do you have swelling in your hands, ankles, feet, legs or stomach?" "Do you have a fast heartbeat that does not slow down when you rest?" 	NEW
	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Do you have (signs of pneumonitis): cough, wheezing, chest pain, fever, fatigue"	NEW

Theelchair) to help with activities that cause breathlessness. DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1 drink/day? DDED: If you smoke, have you tried to stop? DDED: "supportive counselling" was added to the item about sychoeducational interventions "Have you tried a program such as organitive behavioural therapy (relaxation therapy, guided imagery) or upportive counselling?" 5 new evidence sources; 2 outdated sources removed hanges for CONSTIPATION	NEW NEW Update NEW Status
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1 drink/day? DDED: If you smoke, have you tried to stop? DDED: "supportive counselling" was added to the item about sychoeducational interventions "Have you tried a program such as ognitive behavioural therapy (relaxation therapy, guided imagery) or upportive counselling?"	NEW NEW Update
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1 drink/day? DDED: If you smoke, have you tried to stop? DDED: "supportive counselling" was added to the item about sychoeducational interventions "Have you tried a program such as	NEW NEW
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1 drink/day? DDED: If you smoke, have you tried to stop? DDED: "supportive counselling" was added to the item about	NEW NEW
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1 drink/day? DDED: If you smoke, have you tried to stop?	NEW NEW
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1 drink/day?	NEW
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day? If you drink >1-2 alcohol drinks/day, have you tried to reduce to 1	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day? Are you trying to drink fluids, 6-8 glasses per day?	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000 mg) per day?	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)? Have you tried limiting your salt intake to under 1/2 tsp. (< 2000)	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before dressing and eating)?	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology: Do you weigh yourself daily (after waking and voiding, before	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?" DDED: Self-care items specific to cardiology:	
DDED: "When breathing is stable, have you tried 15-30 min of physical ctivity (e.g. walking) at least twice a week?"	
DDED: "When breathing is stable, have you tried 15-30 min of physical	NEW
	NEVA
1 1 1 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	
ith rest)" was added to the item about use of assistive devices (e.g.	
DDED: "Are you trying to conserve your energy (e.g. balance activity	Update
r open window to increase air flow directed at the face.	
DDED: Use of a "humidifier" was added to the item about using a fan	Update
nofetil, or cyclophosphamide"	
elated pneumonitis "Corticosteroids, infliximab, mycophenolate	
DDED: Medications for patients with Immune-Checkpoint Inhibitor	NEW
Nitrates (2 guidelines, evidence level: Benefits Balanced with Harm)	
Diuretics (6 guidelines, evidence level: Effective)	
DDED: Medications specific to cardiology	NEW
vidence Expert Opinion.	
	NEW
,-	
	Update
	NEW
	Update
	NEW
<u> </u>	NIE/A/
·	NEW
plour in your nail beds?"	
ppearance (e.g. pallor, cyanosis) "Do you have new pale skin or bluish	
DDED: New assessment item to enquire about the patient's general	NEW
ount "Do you know your last red blood cell count?"	
	DDED: New assessment item to enquire about the patient's general opearance (e.g. pallor, cyanosis) "Do you have new pale skin or bluish plour in your nail beds?" DDED: New assessment item for patients on Immune Checkpoint hibitor therapy "Do you have (signs of cardiovascular toxicity): irregular heartbeat (e.g. too hard or too fast, skipping a beat, pattering), Dfatigue" DDED: "Alert clinician if on immunotherapy" for triage level severe. OVED: "Immediate-release oral or parenteral opioids" moved to top medication list given level of evidence for effectiveness. DDED: "Non-invasive ventilation (e.g. CPAP mask)" with 2 supporting puidelines and level of evidence Likely Effective. DDED: Clarification added that supplemental oxygen is intended for poxic patients only. DDED: Bronchodilators with 1 supporting guidelines and level of didence Expert Opinion. DDED: Medications specific to cardiology Diuretics (6 guidelines, evidence level: Effective) Nitrates (2 guidelines, evidence level: Benefits Balanced with Harm) DDED: Medications for patients with Immune-Checkpoint Inhibitor lated pneumonitis "Corticosteroids, infliximab, mycophenolate ofetil, or cyclophosphamide" DDED: Use of a "humidifier" was added to the item about using a fan open window to increase air flow directed at the face.

Definition	CHANGED: Minor wording changes from "A decrease in the passage of	Update
	formed stool characterized by stools that are hard and difficult to pass."	'
	TO "A decrease in the frequency or passage of stool usually	
	characterized by stools that are hard."	
Assess severity	REMOVED: The rating scale (0-10) for severity of Constipation based on	NEW
,	the ESAS was removed based on comments from end-users that this	
	symptom is not considered an ESAS symptom.	
	CHANGED: Response option to describe stools "Bleeding (Gross)" was	Update
	replaced with "blood in stool".	
	MOVED: "Do you have hemorrhoids?" removed from item "Do you feel	Update
	like your rectum is not emptying after a bowel movement" and	
	included as a separate assessment item.	
	ADDED: Item added to asses for possible spinal cord compression "Do	NEW
	you have loss of bladder or bowel control, numbness in your fingers,	
	toes or buttocks, feel unsteady on your feet, or difficulty walking?"	
	ADDED: To the item "Do you feel like your rectum is not emptying after	Update
	a bowel movement" added "feel impacted with stool or diarrhea	
	(possible overflow around blocked stool)" for a more comprehensive	
	assessment.	
	ADDED: "Do you have a fever > 38º C?" with supporting evidence from	NEW
	one guideline.	
	ADDED: Assessment for dehydration "Are you feeling dehydrated (e.g.,	NEW
	feeling dizzy, dry mouth, thirsty, feel faint, fast heart rate, less urine)?"	
	with supporting evidence from 3 guidelines.	
	ADDED: "Weakness/difficulty walking" and "Sensory loss" was added to	NEW
	the item "Do you have any other symptoms?" given sensory loss, +/-	
	motor weakness may indicate possible spinal cord compression.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of hypothyroidism):	
	☐ Weight gain, ☐ Fatigue, ☐ Depression, ☐ Feeling cold, ☐	
	Headaches, □ Deeper voice, □Hair loss" given constipation is one of	
	several signs/symptoms of endocrine toxicity.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of autonomic neuropathy): \square	
	Nausea, ☐ Urinary problems, ☐ Sweating changes" given constipation	
	is one of several signs/symptoms of nervous system immune mediated	
	adverse events.	
Triage	ADDED: "Alert clinician if on immunotherapy" for triage level severe.	NEW
Review	MOVED: Polyethylene glycol was moved up higher on the list of	Update
medications	medications based on level of effectiveness.	
	REMOVED: Docusate sodium (Colace®) was removed due to lack of	Update
	evidence for its efficacy. The reason for removal was added as a	
	footnote below the medications table.	
	ADDED: Sorbitol was added with level of evidence Expert Opinion based	NEW
	on evidence from 2 guidelines.	

	ADDED: Amidotrizoate (Gastrografin®) if laxative resistant/advanced	NEW
	cancer with level of evidence Likely Effective based on evidence from 1	
	guideline.	
Self-Care	ADDED: "Are you trying to use the toilet 30-60 minutes after meals?" to	NEW
Strategies	take advantage of the gastro-colic reflex, supported by 2 guidelines.	
	ADDED: To the item encouraging fluid intake "Are you trying to limit	NEW
	your intake of caffeine or alcohol" (to avoid fluid loss) with supporting	''ביי
	evidence from 2 guidelines.	
	ADDED: "slowly" to the item "Have you [slowly] increased the fiber in	Lindata
		Update
	your diet to 25g/day?" given guidance to gradually increase fibre.	
	MOVED: "Are you avoiding non-sterilized corn syrup and castor oil?	Update
	(Corn syrup can be a source of infection; castor oil can cause severe	
	cramping)" was moved as a footnote below the Medications table	
	"Avoid non-sterilized corn syrup (can be a source of infection) and	
	castor oil (can cause severe cramping)"	
References	8 new evidence sources; 0 outdated sources removed	NEW
Section of guide	Changes for DEPRESSION	Status
Assess severity	ADDED: "Are you currently receiving professional care for depression?"	NEW
•	given one new guideline recommends determining if the patient is	
	under the care of a professional for depressive symptoms, and if yes,	
	determine whether additional support is needed.	
	CHANGED: Wording for ESAS was updated for consistency with the	Update
	revised ESAS-r. "Not depressed" updated to "No depression"	Opuate
	MOVED: The question "Do have any concerns that are making you feel	Update
	more anxious" was moved to the assessment table.	
	ADDED: "spiritual/religious concerns" given multiple new guidelines are	NEW
	recommending spiritual and chaplaincy care be included as part of	
	psychosocial services.	
	CHANGED: For the item "Have you felt tired or fatigued?", "ESAS	Update
	fatigue rating" was added and response options were changed from	
	"No; Yes moderate; Yes, often" to "No, 1-3; Yes 4-6; Yes 7-10"	
	consistent with the ESAS scoring in the Fatigue practice guide.	
	ADDED: "confused" was added to the item assessing "Have you felt	Update
	agitated (may include twitching or pacing), or slowing down of your	
	thoughts".	
	CHANGED: In the list of risk factors for Anxiety, "Living alone" was	Update
	changed to "Lack of social support" to encompass other forms of	opuate
	isolation e.g., separation from extended family/cultural community.	
		NEW
	ADDED: "prior abuse" to the list of risk factors for depression.	
	ADDED: "Anxiety" was added to the list of symptom-related factors for	NEW
	depression.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of hyperthyroidism): ☐ weight	
	loss, \square heart pounding or racing, \square tremors, \square feeling overheated, \square	
	loss, \square heart pounding or racing, \square tremors, \square feeling overheated, \square	

Review medications	ADDED: SNRIs - venlafaxine (Effexor XR [®]), duloxetine (Cymbalta [®]). Level of evidence: Effective, based on evidence from 1 guideline.	NEW
careations	ADDED: Psychostimulants - methylphenidate (Ritalin*). Level of evidence: Effective, based on evidence from 2 guidelines.	NEW
	ADDED: Other antidepressants - bupropion (Wellbutrin®), trazodone (Mylan®), mirtazapine (Remeron®), Mianserina (Tolvon®). Level of evidence: Effective, based on evidence from 1 guideline.	NEW
Self-Care Strategies	CHANGED: Merged self-care items #3 (more information about cancer or your treatment) and #4 (more information about your symptoms) into one item "Would more information about your symptoms, cancer or your treatment help to ease your worries? If yes, provide relevant information or suggest resources"	Update
	ADDED: "creative therapies (e.g. art, dance, music)?" was added to the item regarding relaxation therapy or guided imagery with supporting evidence from two guidelines.	NEW
	ADDED: "If your concerns are spiritual or religious in nature, have you tried spiritual counseling, meaning-focused meditation, prayer, worship, or other spiritual activities?" given multiple new guidelines are recommending spiritual and chaplaincy care be included as part of psychosocial services.	NEW
	ADDED: ""Are you agreeable to a referral to a mental health professional for further help?" with supporting evidence from 6 guidelines"	NEW
References	7 new evidence sources; 0 outdated sources removed	NEW
Section of guide	Changes for DIARRHEA	Status
Definition	REMOVED: The frequency of bowel movements (>4-6 stools/day) was removed from the definition given bowel frequency is included as part of the assessment.	Update
Assess severity	ADDED: Three new assessment items related to bowel frequency for	NEW
	patients on Immune Checkpoint Inhibitor therapy were added and triaged to a higher level than patients receiving traditional anti-cancer therapy: • "Bowel movements/day above normal?" • "Ostomy: increase in output above normal?" • "Diarrhea overnight or new incontinence?"	
	triaged to a higher level than patients receiving traditional anti-cancer therapy: • "Bowel movements/day above normal?" • "Ostomy: increase in output above normal?"	Update
	triaged to a higher level than patients receiving traditional anti-cancer therapy: • "Bowel movements/day above normal?" • "Ostomy: increase in output above normal?" • "Diarrhea overnight or new incontinence?" ADDED: "mucus" was added to the assessment item "How would you describe your stools (colour, hardness, odour, amount, oily, blood,	

	ADDED: New assessment item related to abdominal pain for patients on Immune Checkpoint Inhibitor therapy "Pain in abdomen, cramping, bloating?" triaged to a higher level than patients receiving traditional	NEW
	anti-cancer therapy.	
	CHANGED: Assessment of fluid intake reworded for a more	Update
	comprehensive assessment: "Have you been able to drink fluids?"	
	changed to "How much fluid are you drinking per day?" with response	
	options "6-8 glasses", "1-5 glasses" and "Sips".	
	ADDED: "Fatigue" and "Mouth sores" were added as response options	NEW
	to the assessment item "Do you have any other symptoms?"	
	ADDED: New assessment item related to onset of new symptoms for	NEW
	patients on Immune Checkpoint Inhibitor therapy "New severe fatigue,	
	headache, rash, cough, nausea, breathlessness, weight loss, vision	
	changes, eye pain, muscle weakness, joint pains, or mood changes"	
	ADDED: New assessment item "Any recent travel or contact with others	NEW
	with diarrhea?" with supporting evidence from 3 guidelines.	
	ADDED: New assessment item "Do you have any rectal or ostomy skin	NEW
	breakdown?" with supporting evidence from 3 guidelines.	
Review	ADDED: "First line treatment" to the medication Loperamide	Update
medications	(Imodium [®]) with level of evidence "Likely Effective" and supporting	'
	evidence from 8 guidelines	
	ADDED: "Loperamide (Imodium") for moderate diarrhea" for patients	NEW
	on Immune Checkpoint Inhibitor therapy with level of evidence "Expert	
	opinion" and supporting evidence from 8 guidelines	
	ADDED: A note was added that Octreotide (Sandostatin [®]) is intended for	Update
	chemotherapy-induced diarrhea.	
	ADDED: "Corticosteroid cream if rectal skin irritated" with level of	NEW
	evidence "Expert opinion" and supporting evidence from 1 guideline	
	ADDED: For patients on Immune Checkpoint Inhibitor therapy	NEW
	"Corticosteroids/prednisone, Infliximab, Vedolizumab or Budesonide	
	for severe diarrhea" with level of evidence "Expert opinion" and	
	supporting evidence from 2 to 9 guidelines.	
	ADDED: Footnote below medications table "For radiation induced	Update
	diarrhea oral antibiotics are generally not recommended" with	
	supporting evidence from 1 guideline	
Self-Care	ADDED: "Have you spoken to a dietician?" with supporting evidence	NEW
Strategies	from 2 guidelines.	
	ADDED: "Cleanse perianal skin with warm water (+/- mild soap) after	Update
	each stool. Moisture barrier cream if not on radiation therapy.	
	Hydrocolloid dressings may be used as a physical barrier to protect	
	skin." was added to the self-care item "Are you trying to keep skin	
	around your rectum or ostomy clean to avoid skin breakdown"	
	REMOVED: The self-care item "Were you taking probiotics with	Update
	lactobacillus to prevent diarrhea?" has been removed due to	
	inconsistent evidence for its use across source guidelines.	

	ADDED: "Have you tried strategies to help with coping: carefully plan all outings, carry a change of clothes, know the location of restrooms, use absorbent undergarments." with supporting evidence from 1 guideline.	NEW
References	13 new evidence sources; 4 outdated sources removed	NEW
Section of guide	Changes for FATIGUE	Status
Assess severity	CHANGED: Wording for ESAS was updated for consistency with the	Update
	revised ESAS-r. "Not tired" updated to "No tiredness"	
	ADDED: Item to assess for fever (possible infection) "Do you have a	NEW
	fever > 38° C?" with supporting evidence from 5 guidelines.	
	ADDED: Item to assess for possible anemia "Do you know the results of	NEW
	your last hemoglobin (Hgb) blood test?" with supporting evidence from 5 guidelines.	
	ADDED: Item to assess weight changes "Have you lost or gained weight	NEW
	in the last 4 weeks without trying?" with supporting evidence from 4	INLVV
	guidelines.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of endocrine toxicity):	INLVV
	\square nausea, \square appetite loss, \square constipation, \square eyes sensitive to light, \square	
	hair loss, \square dry skin, \square puffy face, \square confusion, \square headache" given	
	fatigue may be a symptom of an endocrine disorder secondary to	
	immune checkpoint inhibitor therapy, not simply general cancer-related	
	fatigue. Health care providers need to suspect underlying endocrine	
	immune-related adverse events with vague symptoms such as fatigue.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of pneumonitis): □ cough, □	INLVV
	wheezing, \square breathlessness, \square chest pain, \square fever" given fatigue may	
	be a symptom of lung toxicity secondary to immune checkpoint	
	inhibitor therapy.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of cardiovascular toxicity): fast	INEVV
	or skipped heartbeat, \square breathlessness" given fatigue may be a	
	symptom of a cardiac immune checkpoint inhibitor therapy adverse	
	event. Presentation of cardiovascular complications of secondary to	
	immune checkpoint inhibitor therapy may include arrhythmia,	
	palpitations, chest pain, or signs and symptoms of heart failure	
	(shortness of breath, peripheral edema, pleural effusion, fatigue).	NIEVA:
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of hepatic toxicity): yellow	
	skin/eyes, □ dark urine, □ fever, □ nausea, □ stomach pain" given	
	severe hepatitis secondary to immune checkpoint inhibitor therapy can	
	develop with symptoms of fever, fatigue, abdominal pain, nausea, and jaundice.	

	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Do you have (signs of myositis): \square limb weakness, \square difficulty standing up, lifting arms, moving around" given patients receiving immune checkpoint inhibitor therapy can develop severe myalgia in their proximal upper and lower extremities, with severe fatigue resembling polymyalgia rheumatica.	NEW
	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Do you have (signs of hemolytic uremic syndrome): □ blood in urine/stool or nose/mouth, □ less urine, □ new/unexplained bruises, □ abdominal pain, □ pale skin, □ vomiting, □ confusion/seizures, □ swelling" given fatigue is one of several signs symptoms of hematologic adverse events secondary to immune checkpoint inhibitor therapy.	NEW
	ADDED: "endocrine" was added to the item assessing for other health conditions that can cause fatigue (cardiac, lung, liver, kidney).	Update
	MOVED: The assessment item "Do you drink alcohol?" was added to the item assessing for other health conditions that can cause fatigue.	Update
Triage	ADDED: "Alert clinician if on immunotherapy" for triage level severe.	NEW
Review medications	ADDED: Specified two types of ginseng "(American or Asian)" given there are various types of herbs that the name ginseng applies to. Asian ginseng (Panax ginseng) and American ginseng (Panax quinquefolius) are two types of true ginseng. Three guidelines indicated specific types of ginseng may be effective in improving fatigue scores.	Update
	ADDED: Methylphenidate was added to the list of medications given three guidelines suggest that methylphenidate may help manage fatigue in patients receiving active treatment, however this medication should only be considered after ruling out other causes of fatigue. Level of evidence: Expert Opinion. The following cautionary statement was added under the medications table "Methylphenidate may be considered with caution after ruling out other causes of fatigue" given this medication may worsen pre-existing anxiety and insomnia.	NEW
	ADDED: Corticosteroids (i.e. dexamethasone (Decadron®), prednisone) was added to the list of medications given four guidelines have indicated there is evidence supporting the effectiveness of corticosteroids in providing short-term relief for fatigue and improving quality of life. Level of evidence: Benefits Balanced with Harms. The following cautionary statement was added under the medications table "Corticosteroids offer short-lived benefit; long-term use is associated with significant toxicities" given long-term use of may lead to increased risk of adverse events.	NEW
Self-Care Strategies	ADDED: "Do you have a diary to track your fatigue patterns to help with planning activities?" with supporting evidence from two guidelines.	NEW

	ADDED: "Staying hydrated and a balanced diet (e.g. vitamins, minerals) can help fatigue." was added to the item "Do you think you are eating/drinking enough to meet your body's energy needs?". Supporting guidelines indicated modifying dietary intake, adequate hydration, and electrolyte balance is essential for preventing and treating fatigue; imbalances in sodium, potassium, calcium, iron, and magnesium serum level are often reversible and with appropriate supplementation may reduce fatigue.	Update
	MOVED: For the item "Have you tried activities to make you more relaxed", the examples "relaxation therapy, deep breathing, guided imagery" were separated from "massage with or without aromatherapy" given there is variation in the levels of effectiveness for these types of interventions. Progressive Muscle Relaxation Guided Imagery, Relaxation and Visual Imagery, and Relaxation Therapy are supported by Expert Opinion, while Massage/Aromatherapy Massage is likely to be effective.	Update
	ADDED: "Ensure light exposure soon after waking" was added to the item "Have you done any of the following to improve the quality of your sleep?" given the pan-Canadian Sleep Disturbances guideline by Howell et al. 2012 explains: exposure to natural or artificial light is thought to be an important regulator of sleep—wake rhythms. Light exposure can help "set" a patient's circadian clock, making it easier for them to continue with the same wake up time.	Update
	ADDED: "Have you tried home-based bright white light therapy?" with supporting evidence from one guideline.	NEW
References	14 new evidence sources; 0 outdated sources removed	NEW
Section of guide	Changes for FEBRILE NEUTROPENIA	Status
Definition	CHANGED: Definition revised based on the most current definition from NCCN 2018 "An absolute neutrophil count (ANC) < 500 cells/mcl OR an ANC < 1000 cells/mcl and a predicted decline to 500 cells/mcl or less over the next 48 hours AND a single oral temperature of $\geq 38.3^{\circ}$ C (101 °F) or a temperature of $\geq 38.0^{\circ}$ C (100.4 °F) for ≥ 1 hour." Equivalent measures have been added in brackets to facilitate communication with health providers: "< 500 cells/mcl (equivalent to < 0.5 x 10^{9} /L)"; < 1000 cells/mcl (< 1.0 x 10^{9} /L).	Update
Assess severity	ADDED: New assessment item "What was the date of your last chemotherapy or immunotherapy treatment?" given this was identified as a key item based on external expert review of the practice guide and supporting evidence from 8 source guidelines.	NEW
	ADDED: New assessment item "Have you been recently taking any antibiotics? With response options "□ No □ Yes <48 hours □ Yes ≥48 hours" given patients who have been on antibiotics for less than or more than 48 hours should be taken into consideration with evidence from 7 source guidelines.	NEW

	T	1
	ADDED: New response option for the question "Do you have an oral temperature of ≥38.0° C" added "Yes for <1 hour" for Moderate and "Yes" in the severe column changed to "Yes for ≥1 hour" for consistency with the definition of Febrile Neutropenia	NEW
	ADDED: "Do you have any other symptoms? ☐ Bleeding, ☐ Breathlessness, ☐ Constipation, ☐ Diarrhea, ☐ Fatigue, ☐ Mouth sores, ☐ Mouth dryness, ☐ Nausea, ☐ Vomiting, ☐ Skin reaction to radiation" for consistency with symptom guides that ask whether fever is present.	NEW
Triage patient	NEW: New triage column for Moderate was added for patients with an oral temperature of ≥38.0° for less than 1 hour, and/or having other concurrent symptoms, and/or are very worried about their fever. Triage instructions for Moderate include: ☐ Review self-care. ☐ Advise to notify if symptom worsens or new symptoms occur in 12-24 hours. ☐ If ≥38.0° for <1 hour, advise to notify if still ≥38.0 after 1 hour has elapsed.	NEW
Review medications	ADDED: For "G(M)-CSF" it was noted this treatment is recommended "for at risk patients" and the following footnote was added under the medications table "G-CSF is generally recommended for patients with a >20% risk of developing febrile neutropenia".	Update
	ADDED: For "Antibiotics to prevent infection" it was noted this treatment is recommended "for high risk patients" and the following footnote was added under the medications table "Prophylactic antibiotic use should be limited to high risk patients with an expected duration of neutropenia for >7 days as it may promote antibiotic resistance". The level of evidence for antibiotic prophylaxis was changed from "Mixed recommendations" to "Effective".	Update
	ADDED: "Antifungals to prevent infection for at-risk patients" was added to the Medications section with level of evidence "Effective" and the following footnote was added under the medications table "Antifungal prophylaxis should be reserved for a targeted group of highrisk patients with an expected duration of neutropenia for >7 days".	NEW
	ADDED: "Antivirals for select at-risk patients" was added to the Medications section with level of evidence "Effective" and the following footnote was added under the medications table "Antiviral prophylaxis is recommended for select patients at risk for certain viral infections or reactivation of viral infection".	NEW
Self-Care Strategies	ADDED: For the self-care item "If temperature not ≥38.0° C, are you checking your body temperature with a thermometer?" the statement "Avoid rectal temperature measurements" was added based on multiple guidelines indicating rectal temperatures should be avoided.	Update
	ADDED: For the self-care item "Are you washing your hands frequently" added "and/or using alcohol-based sanitizer" given hand hygiene with alcohol sanitizer has been identified as effective in infection prevention for at-risk patients with cancer.	Update

	ADDED: "Are you trying to drink fluids, 6-8 glasses per day to stay	NEW
	hydrated?" given the Multinational Association for Supportive Care in	
	Cancer (MASCC) Risk Index for Febrile Neutropenia cited by 8 source	
	guidelines indicates hydration status as a risk factor for complications.	
	ADDED: For the self-care item "Are you avoiding enemas, suppositories,	Update
	tampons, and invasive procedures?" added "Constipation and straining	
	during bowel movements can cause trauma to rectal tissue"	
	ADDED: For the self-care item "Are you checking your skin for potential	Update
	sites of infection" added "your mouth" based on four guidelines	•
	recommended assessing this area given the mouth and esophagus are	
	common sites of infection in patients with fever and neutropenia.	
	ADDED: New self-care item "Have you spoken to a clinician about	NEW
	getting an annual flu shot and other vaccines (with inactivated	14244
	vaccine)? All visitors and household members should be up-to-date	
	with vaccines (e.g. influenza, measles, mumps, rubella, and varicella.)"	
	based on supporting evidence from five guidelines.	
References	9 new evidence sources; 1 outdated source removed	NEW
Section of guide	Changes for MOUTH SORES/ STOMATITIS	Status
Assess severity	ADDED: "Do you have a fever > 38º C?" given concerns with oral	NEW
	complications can include systemic infection (sepsis) or local oral	
	infections which may be accompanied with symptoms such as fever and	
	supporting evidence from three guidelines.	
	ADDED: To the assessment item "Are you able to eat?" Response option	Update
	"Yes, soft food" was added for triage level Moderate.	
	ADDED: Assessment for dehydration "Are you feeling dehydrated,	NEW
	which can include feeling dizzy, a dry mouth, increased thirst, feel faint,	
	rapid heart rate, decreased amount of urine, dark urine?" with	
	supporting evidence from 4 guidelines.	
	CHANGED: Assessment of food and fluid intake into 2 items for a more	Update
	comprehensive assessment:	O P G G G
	"Are you able to eat and drink ? If no, can you open and close your	
	mouth?"	
	mouth?" "How much fluid are you drinking per day?" with response entions:	
	"How much fluid are you drinking per day?" with response options:	
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to	
Poviou	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow"	NEW
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for	NEW
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of	NEW
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion"	
Review medications	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of	NEW NEW
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of medications for pain relief with supporting evidence from three	
Review medications	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of	
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of medications for pain relief with supporting evidence from three	
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of medications for pain relief with supporting evidence from three guidelines and level of evidence "Expert opinion"	NEW
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of medications for pain relief with supporting evidence from three guidelines and level of evidence "Expert opinion" ADDED: transdermal fentanyl was added to the list of medications for	NEW
	"How much fluid are you drinking per day?" with response options: Mild "6-8 glasses"; Moderate "1-5 glasses"; Severe "Sips/Unable to swallow" ADDED: morphine mouth wash was added to the list of medications for pain relief with supporting evidence from one guideline and level of evidence "Expert opinion" ADDED: topical anesthetics (lidocaine) was added to the list of medications for pain relief with supporting evidence from three guidelines and level of evidence "Expert opinion" ADDED: transdermal fentanyl was added to the list of medications for pain relief with supporting evidence from two guidelines and level of	NEW

		1
	ADDED: "Mucosal coating agents for pain (Gelclair®)" which provide a temporary physical barrier with supporting evidence from four	NEW
	guidelines and level of evidence "Expert Opinion".	
	ADDED: "Saliva substitutes (Biotene®, Moi-Stir®, Caphosol®)" which	NEW
	may help moisten the mouth and provide temporary relief to facilitate	
	speech, chewing, and swallowing with supporting evidence from four	
	guidelines and level of evidence "Expert Opinion".	
	ADDED: "Topical steroids for mouth sores from targeted therapies" for	NEW
	example, dexamethasone mouth rinse, or clobetasol gel or ointment	
	with supporting evidence from two guidelines and level of evidence	
	"Expert Opinion".	
	ADDED: "Nystatin for oral candida" given oral candidiasis is common in	NEW
	adults undergoing cancer treatment with supporting evidence from	
	three guidelines and level of evidence "Expert Opinion"	
	ADDED: The following cautionary footnote was added under the	
	Medications table: "Some benzydamine HCl formulations contain	
	alcohol and can cause stinging"	
	ADDED: ""Magic" Mouthwash (mixed medication mouthwash) is not	NEW
	recommended for practice" was added as a footnote under the	
	Medications table given one guideline explicitly stated this intervention	
	is not recommended for practice and three guidelines stated there is	
	insufficient evidence.	
	ADDED: The following cautionary footnote was added under the	NEW
	Medications table "Local anesthetics for short term pain relief can make	
	it hard to swallow; patients should be advised about increased risk of	
	choking when eating." with supporting evidence from two guidelines.	
Self-Care	CHANGED: For the self-care item "Are you trying to brush your teeth at	Update
Strategies	least twice a day using a soft toothbrush and flossing daily or as	
	tolerated" the suggestion about flossing was changed to "Floss daily if	
	it is your normal routine and tolerated" given multiple guidelines	
	indicated that patients that are not used to interdental cleaners on a	
	regular basis should not start with it while on cancer therapy since it	
	can break the epithelial barrier.	
	REMOVED: "water-based" was removed from the self-care item "Are	Update
	you using moisturizers to protect your lips?" given lack of consensus	
	across guidelines about what kinds of moisturizers should be	
	recommended.	
	REMOVED: "Xylitol lozenges or chewing on xylitol gum (max. 6 grams	Update
	per day) for dry mouth?" was removed given self-care interventions for	
	dry mouth such chewing on sugar-free gum or sucking on hard candy to	
1	help promote saliva production will be included in the new Mouth	
	Dryness/Xerostomia Practice Guide.	
	ADDED: New self-care strategy "If on pain medicine, have you tried	NEW
	taking before meals for pain relief while eating?" with supporting	
Î	evidence from four guidelines.	

	REMOVED: "very cold" from the item "Are you avoiding foods/drinks	Update
	that are acidic, salty, spicy, or very hot?" due to inconsistent reporting	
	across source guidelines.	
	ADDED: New self-care strategy "If eating is difficult, have you spoken	NEW
	with a dietitian or considered meal supplements?" with supporting	
	evidence from five guidelines.	
	REMOVED: "For mouth sores, have you considered referral for low level	Update
	laser therapy?" given the evidence is limited to Hematopoietic Cell	
	Transplantation and Head and Neck Cancer and radiotherapy	
References	5 new evidence sources; 4 outdated sources removed	NEW
Section of guide	Changes for NAUSEA & VOMITING	Status
Assess severity	REMOVED: Assessment scale (0-10) removed for Vomiting given	Update
,	severity is not typically based on subjective experience, but rather	- P
	objectively measured in terms of number of emetic episodes and	
	characteristics (i.e. blood or coffee ground vomit).	
	CHANGED: ESAS cut-off scores for Nausea were changed from 1-3=Mild	Update
	and 4-10=Moderate TO 1-3=Mild, 4-6=Moderate, and 7-10 = Severe	Opuate
	with supporting evidence from one guideline.	
	ADDED: New assessment item "What is the amount of vomit?" with	NEW
	supporting evidence from 3 guidelines.	14244
	ADDED: New assessment item "Have you lost weight in the last 1-2	NEW
	weeks without trying?" with supporting evidence from 5 guidelines.	INLV
	CHANGED: Assessment of fluid intake reworded for a more	Update
	comprehensive assessment: "Have you been able to tolerate drinking	Opuate
	fluids?" changed to "How much fluid are you drinking per day?" with	
	response options "6-8 glasses", "1-5 glasses" and "Sips".	
	ADDED: To the assessment item "Do you have any other symptoms?"	Update
	added Diarrhea, Fever, Anxiety	Opuate
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of endocrine toxicity): ☐ fatigue,	INLVV
	\square appetite loss, \square constipation, \square eyes sensitive to light, \square hair loss,	
	\square dry skin, \square puffy face, \square confusion, \square headache"	
		NIT\A/
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of autonomic neuropathy): ☐ constipation, ☐ urinary problems, ☐ sweating changes"	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of aseptic meningitis):	
	☐ headache, ☐ eyes sensitive to light, ☐ neck stiffness"	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of hepatic toxicity): ☐ dark urine,	
	☐ yellow skin/eyes, ☐ fever, ☐ fatigue, ☐ abd pain"	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have (signs of GI toxicity): ☐ abd pain,	
	☐ blood or mucus in stool, ☐ fever, ☐ weight loss"	

	ADDED: New assessment item for patients on Immune Checkpoint Inhibitor therapy "Do you have (signs of hemolytic uremic syndrome): □ blood in urine/stool or nose/mouth, □ less urine, □ new/unexplained bruises, □ abd pain, □ pale skin, □ fatigue, □ confusion/seizures, □ swelling"	NEW
	ADDED: New assessment item "Are you taking medicines that can cause nausea/vomiting (e.g. opioids, antidepressants, antibiotics, warfarin)?" with supporting evidence from 5 guidelines.	NEW
Review medications	MOVED: Medications were reordered by level of effectiveness and number of supporting guidelines.	Update
	ADDED: Olanzapine (Zyprexa [®]) was added with supporting evidence from 5 guidelines and level of evidence: Effective.	NEW
	ADDED: Netupitant/palonosetron (NEPA) (Akynzeo®) was added with supporting evidence from 4 guidelines and level of evidence: Effective.	NEW
	ADDED: Example trade name (Emend® IV) was added for Fosaprepitant	Update
	ADDED: Note that Triple Drug is intended for high emetic risk	Update
	ADDED: For Dexamethasone (Decadron) added "alone or in combination"	Update
	ADDED: Progestins was added with supporting evidence from 1 guideline and level of evidence: Likely effective.	NEW
	ADDED: Other medications that may be prescribed for nausea and vomiting Cyclizine (2 guidelines), dimenhydrinate (2 guidelines) and methotrimeprazine (Nozinan®) (1 guideline) were added with level of evidence: Expert opinion.	NEW
	REMOVED: The cautionary footnote "Metopimazine is not recommended for practice" was removed. Only one guideline considered this medication and concluded there was insufficient evidence for its effectiveness.	Update
	ADDED: A caution statement regarding the use of Gabapentin was added below the medications section "Patients are at increased risk of opioid overdose and serious side effects when taking gabapentin with an opioid" based on a Health Canada Advisory issued September 17, 2019. https://healthycanadians.gc.ca/recall-alert-rappel-avis/hc-sc/2019/71003a-eng.php	NEW
Self-Care Strategies	ADDED: To the strategy "Are you taking anti-emetics before meals so they are effective during/after meals?" added "fast-acting"	Update
	ADDED: the strategy "Avoid tobacco and alcohol?" was added to the self-care item about which foods to try and which foods to avoid with supporting evidence from three guidelines.	NEW
	REMOVED: "Are you wearing loose clothing?" was removed given there are no supporting guidelines to recommend this strategy.	Update

	CHANCED The Heavy was and the Manager of the Manage	111
	CHANGED: The item regarding oral care "Are you rinsing your mouth	Update
	before eating and keeping your mouth clean (brushing, rinsing)?" was	
	changed to be consistent with the Mouth Sores and Mouth Dryness	
	Practice guides "Are you trying to use a bland rinse 4 times/day? For 1	
	cup warm water, add table salt (2.5 ml (1/2 tsp.)), baking soda (1/2 tsp.)	
	or both (1/4 tsp. each). Swish in your mouth for at least 30 seconds and	
	spit out." given supporting evidence from one guideline that specifically	
	recommends rinsing the mouth before and after eating and no	
	recommendation for brushing. For this symptom guide the instruction	
	"If vomiting" was added given this self-care item is not applicable if	
	the patient is only experiencing nausea.	
	ADDED: Self-care item "If vomiting, have you been keeping track of the	NEW
		INEVV
	number of episodes per 24 hours?" with supporting evidence from one	
- ·	guideline.	
References	13 new evidence sources; 3 outdated sources removed	NEW
Section of guide	Changes for PAIN	Status
Definition	ADDED: Details were added about types of pain "Types of pain are	Update
	classified as nociceptive or neuropathic. Nociceptive pain arises from	
	stimulation of pain receptors within the tissue, which has been	
	damaged or involved in an inflammatory process; divided into"	
Assess severity	CHANGED: For the question "Tell me about the pain (location, onset,	Update
•	type)" the word "type" was changed to "what does it feel like" and	'
	"what makes it better or worse" was added.	
	ADDED: New assessment item to explore possible causative factors of	NEW
	the pain "Do you know what may be causing the pain (surgery, injury,	11211
	illness, pre-existing pain or arthritis, spinal cord compression)?" with	
	supporting evidence from 6 guidelines.	11
	CHANGED: Pain rating at worst and pain rating at best were merged	Update
	into one item "Rating of worst pain and pain 2hr after medicine?"	
	which is consistent with the self-care item suggesting that patients use	
	a diary to track their pain level when taking medicine and 1-2 hr. after.	
	ADDED: New assessment item "Are you able to easily distract yourself	NEW
	from the pain?" with response options "Yes, often", Yes, sometimes"	
	and "No, never" with supporting evidence from 1 guideline.	
	ADDED: New item added to assess for possible spinal cord compression	NEW
	"Do you have loss of bladder or bowel control, numbness in your	
	fingers, toes or buttocks, feel unsteady on your feet, or difficulty	
	walking?"	
	ADDED: New item added to assess for possible opioid toxicity "Do you	NEW
	feel confused, very sleepy, hallucinate, or have muscle spasms?"	
		NITNA
	ADDED: New assessment item to risk of opioid abuse/misuse/diversion	NEW
	"Do you have (risk factors for opioid misuse): past alcohol or drug	
	Lmicuco II novehiatrio dicardar II voungar ago. 🖂 lagal problems. 🖯	
	misuse, \square psychiatric disorder, \square younger age, \square legal problems, \square	
	past sexual abuse, □ poor financial and/or social support, □ current	
	past sexual abuse, □ poor financial and/or social support, □ current	NEW

	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy: "Do you have (signs of musculoskeletal toxicities):	INLVV
	joint pain/swelling, □ stiffness after inactivity, □ muscle weakness, □	
	pain improves with movement or heat"	1514
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy: "Do you have (signs of hepatic toxicity): ☐ right side	
	abdominal pain □ fatigue, □ yellow skin/eyes, □ dark urine, □ fever,	
	□ nausea"	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy: "Do you have (signs of endocrine toxicity): \square	
	abdominal pain, \square nausea, \square fatigue, \square appetite loss, \square constipation,	
	\square eyes sensitive to light, \square hair loss, \square dry skin, \square puffy face, \square	
	confusion	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy: "Do you have (signs of ocular toxicity): \square pain with	
	eye movement, \square vision changes, \square eyes sensitive to light, \square eyelid	
	swelling	
Review	ADDED: Nefopam was added to the list of non-opioid drugs	Update
medications	ADDED: Tapentadol was added to the list of weak opioids	Update
medications	·	+ - ·
	CHANGED: "Breakthrough dose" was changed to "Breakthrough pain:	Update
	extra dose of immediate-release oral opioids" for better clarity.	115147
	ADDED: Transmucosal fentanyl was added for breakthrough pain with	NEW
	level of evidence: Effective.	
	ADDED: "Chronic pain: Transdermal buprenorphine, transdermal	NEW
	fentanyl, systemic anesthetics (e.g. mexiletine)" with supporting	
	evidence from 2 guidelines and level of evidence: Effective.	
	ADDED: "Chronic pain: Cannabis/Cannabinoids" with supporting	NEW
	evidence from 2 guidelines and level of evidence: Likely effective.	
	ADDED: "Refractory pain: Ketamine" with supporting evidence from 2	NEW
	guidelines and supporting evidence "Benefits balanced with harm"	
	ADDED: "Prednisone for immunotherapy-related pain" with supporting	NEW
	evidence from 5 guidelines and level of evidence: Expert opinion.	
	CHANGED: "Prophylactic constipation treatment – sennosides,	Update
	bisocodyl, lactulose, Polyethylene glycol (PEG)" was changed to	Opuate
	"Constipation prophylaxis: stimulant (sennosides or bisocodyl) plus	
	osmotic laxative (lactulose or PEG)" based on this combination being	
	the most common prophylactic treatment for preventing opioid-	
	induced constipation.	
	REMOVED: docusate sodium from the list of medications for	Update
	prophylactic constipation treatment. Based on the available literature,	
	docusate has not shown benefit and is therefore not recommended.	
	ADDED: The following cautionary statements were added below the	NEW
	Medications table: "Use NSAIDS with caution due to risk of renal, GI, or	
	cardiac toxicities, thrombocytopenia, or bleeding disorder" (2	
	guidelines); "Use opioids with caution in patients with kidney or liver	
	dysfunction." (4 guidelines); "Avoid tricyclic antidepressants in the	
	elderly." (1 guideline)	
	Sideriff (1 Baideline)	<u> </u>

Self-Care	MOVED: Self-care item "Have you used any physiotherapy or	Update
Strategies	acupuncture?" was merged with the item "Have you tried massage with	Оранис
g	or without aromatherapy?"	
	ADDED: "heat/cold" and "TENS" were added to the self-care item about	NEW
	massage, physiotherapy, and acupuncture.	
	ADDED: "hypnosis" and "mindfulness-based stress reduction" were	NEW
	added to the self-care item "Are you using activities to help you cope	
	with pain such as listening to music, breathing exercises, activities for	
	distraction, relaxation, guided imagery"	
References	15 new evidence sources; 4 outdated sources removed	NEW
Section of guide	Changes for PERIPHERAL NEUROPATHY	Status
Definition	ADDED: To the first sentence "Numbness, tingling, burning, pins and	Update
	needles, tremor, balance disturbances, pain" added "in hands, feet, legs	
	or arms"	
	ADDED: "Other causes of peripheral neuropathy include surgical	NEW
	trauma, treatment with immune checkpoint inhibitors, and radiation	
	involving the spine."	
Assess severity	ADDED: New assessment question consistent with the Pain practice	NEW
	guide "Tell me about the neuropathy (location, onset, radiating, what	
	does it feel like, what makes it better or worse):" with supporting	
	evidence from 2 guidelines.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Pain in lower back or thighs" given Guillain–Barré	
	syndrome often starts with sensory symptoms/neuropathic pain	
	localized to lower back and thighs.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "New rapid onset of weakness in arms or legs" which	
	could be a sign of immune mediated neurotoxicity such as Guillain-	
	Barré syndrome and triaged at a higher level.	
	MOVED: The assessment items about being constipated and difficulty	Update
	emptying bladder were separated into two separate items.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Constipation or urinary problems" which could be a	
	sign of immune mediated neurotoxicity and triaged at a higher level.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Neuropathy interferes with daily activities" which	
	could be a sign of immune mediated neurotoxicity and triaged at a	
	higher level.	
	ADDED: New assessment item for patients on Immune Checkpoint	NEW
	Inhibitor therapy "Do you have: ☐ Difficulty walking, ☐ Vision changes,	
	☐ Breathlessness, ☐ Swallowing or speaking problems, ☐ Nausea, ☐	
	Sweating changes?" given these symptoms could signify one of several	
	immune mediated neurological adverse events such as Peripheral	
	Neuropathy, Myasthenia Gravis, or Guillain–Barré syndrome.	
Review	ADDED: "Gabapentin and opioid combination" was added with level of	NEW
medications	evidence Likely Effective with supporting evidence from 2 guidelines.	

	ADDED: "Corticosteroids - prednisone/methylprednisolone" was added	NEW
	with level of evidence Expert Opinion with supporting evidence from 8	
	guidelines.	
	ADDED: Tapentadol and methadone were added to the list of opioids	Update
	commonly prescribed.	
	ADDED: "Tricyclic Antidepressants should be avoided in the elderly" to	NEW
	Medication footnote section	
Self-Care	ADDED: New self-care strategy "Neuropathy in hands: Do you wear	NEW
Strategies	gloves when cooking, using the oven, or doing dishes?" with supporting	
	evidence from 2 guidelines.	
	ADDED: New self-care strategy "Are you avoiding exposing your fingers	NEW
	and toes to very cold temperatures?" with supporting evidence from 1	
	guideline.	
	ADDED: New self-care strategy "For urinary issues do you try to empty	NEW
	bladder at same time every day, bladder re-training exercises, and drink	
	adequate fluids?" with supporting evidence from 1 guideline.	
	ADDED: Additional complementary alternative therapies "massage,	Update
	yoga, deep breathing, meditation, or guided imagery" were added to	
	the item "Have you tried acupuncture" with supporting evidence from 2	
	guidelines	NIENA/
	ADDED: New self-care strategy "Have you spoken with a clinician or	NEW
	pharmacist or dietitian about the peripheral neuropathy?" with	
	supporting evidence from 2 guidelines. If the symptom is related to chemotherapy and it is new or worsening, the patient should be	
	encouraged to communicate this to their oncology team as a dose may	
	need to be adjusted/reduced. If the patient is not on any medications	
	they may benefit from the introduction of medications.	
İ		
References		NFW
References Section of guide	10 new evidence sources; 2 outdated sources removed	NEW Status
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY	Status
	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting	
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline.	Status NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction	Status
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes,	Status NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction	Status NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines.	NEW NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin	NEW NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with	NEW NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines.	NEW NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines. CHANGED: Response options for "Do you have any bleeding?" were	NEW NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines. CHANGED: Response options for "Do you have any bleeding?" were changed from Mild=No, Moderate=Yes, some, Severe=Yes, gross to	NEW NEW
Section of guide	10 new evidence sources; 2 outdated sources removed Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines. CHANGED: Response options for "Do you have any bleeding?" were changed from Mild=No, Moderate=Yes, some, Severe=Yes, gross to Mild=No and Severe= "Yes, from minor trauma" given Severe	NEW NEW
Section of guide	Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines. CHANGED: Response options for "Do you have any bleeding?" were changed from Mild=No, Moderate=Yes, some, Severe=Yes, gross to Mild=No and Severe= "Yes, from minor trauma" given Severe Dermatitis radiation is defined as "Moist desquamation in areas other	NEW NEW
Section of guide	Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines. CHANGED: Response options for "Do you have any bleeding?" were changed from Mild=No, Moderate=Yes, some, Severe=Yes, gross to Mild=No and Severe= "Yes, from minor trauma" given Severe Dermatitis radiation is defined as "Moist desquamation in areas other than skin folds and creases; bleeding induced by minor trauma or abrasion" based on evidence from the source guidelines and NCI-CTCAE grading.	NEW NEW
Section of guide	Changes for SKIN REACTION TO RADIATION THERAPY ADDED: New assessment item "Size of skin reaction(s)" with supporting evidence from 1 guideline. ADDED: New assessment item "Do you feel itchy at the skin reaction area?" with response options "No/mild", "Yes, often" and "Yes, constant" with supporting evidence from 4 guidelines. ADDED: New assessment item "Is there any odour from the skin reaction area?" with response options "No" and "Yes, strong/foul" with supporting evidence from 2 guidelines. CHANGED: Response options for "Do you have any bleeding?" were changed from Mild=No, Moderate=Yes, some, Severe=Yes, gross to Mild=No and Severe= "Yes, from minor trauma" given Severe Dermatitis radiation is defined as "Moist desquamation in areas other than skin folds and creases; bleeding induced by minor trauma or abrasion" based on evidence from the source guidelines and NCI-CTCAE	NEW NEW

	CHANGED: For "Low-dose corticosteroid cream" it is specified that this	Update
	is intended for pruritus.	Opaate
	REMOVED: "Mild-moderate: Lanolin free hydrophilic cream (i.e.: glaxal	Update
	base or Lubriderm)" from the Medications section given this is included	- p
	as part of the Self-care section.	
	CHANGED: For "Silver Sulfadiazine (Flamazine)" specified that this is	Update
	intended if infection is confirmed.	Opuate
	CHANGED: "Dressing changes" to "Hydrocolloid & hydrogel Dressings"	Update
	with supporting evidence from 3 guidelines.	Opaate
	ADDED: "Infection: Topical antibiotics" with supporting evidence from 2	NEW
	guidelines and level of evidence Expert opinion.	
	ADDED: "Moist desquamation: Silicone Dressings" with supporting	NEW
	evidence from 1 guideline and level of evidence Expert opinion.	
	ADDED: The following cautionary statements were added below the	NEW
	Medications table:	
	"Low-dose corticosteroid cream should be used sparingly." (4	
	guidelines)	
	"Silver sulfadiazine should not be used if allergy to sulfa, history of	
	severe renal or hepatic disease or during pregnancy." (1 guideline)	
	"Hydrocolloid & hydrogel dressings are not advised for infected wounds	
	and wounds with heavy exudate, (1 guideline) or applied directly prior	
	to treatment (1 guideline)."	
Self-Care	ADDED: To the self-care item "Are you avoiding temperature extremes"	Update
Strategies	added "Are you trying to protect the treatment area from the sun and	
	the cold?"	
	ADDED: To the self-care item "Are you trying to use normal saline	Update
	compresses" added "warm or room temperature" and specified this is if	
	the skin is itchy.	
	ADDED: To the self-care item about avoiding "tape or Band-aids" added	Update
	"not rubbing or scratching your skin, and opting to wear loose fitting	
	clothing"	
References	4 new evidence sources; 1 outdated source removed	NEW
Section of guide	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES	Status
Section of guide	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep	-
	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but	Status
Section of guide Title	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem.	Status Update
Section of guide	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item	Status
Section of guide Title Assess severity	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?"	Update Update
Section of guide Title Assess severity Review	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with	Status Update
Section of guide Title Assess severity	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with supporting evidence from 2 guidelines and level of evidence "Expert"	Status Update Update
Section of guide Title Assess severity Review	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with supporting evidence from 2 guidelines and level of evidence "Expert opinion"	Update Update NEW
Section of guide Title Assess severity Review	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with supporting evidence from 2 guidelines and level of evidence "Expert opinion" ADDED: Tricyclic Antidepressants - e.g. Amitriptyline (Elavil®) with	Update Update
Section of guide Title Assess severity Review	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with supporting evidence from 2 guidelines and level of evidence "Expert opinion" ADDED: Tricyclic Antidepressants - e.g. Amitriptyline (Elavil®) with supporting evidence from 1 guideline and level of evidence "Expert	Update Update NEW
Section of guide Title Assess severity Review	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with supporting evidence from 2 guidelines and level of evidence "Expert opinion" ADDED: Tricyclic Antidepressants - e.g. Amitriptyline (Elavil®) with supporting evidence from 1 guideline and level of evidence "Expert opinion"	Update Update NEW NEW
Section of guide Title Assess severity Review	4 new evidence sources; 1 outdated source removed Changes for SLEEP PROBLEMS-CHANGES CHANGED: The title of the practice guide was changed to "Sleep Changes" given some individuals have sleep changes from baseline but do not necessarily perceive it as a problem. ADDED: "Describe the sleep pattern change" to the assessment item "How long have these sleep problems been present?" ADDED: Non-benzodiazepine Hypnotics - e.g. Zolpidem (Ambien®) with supporting evidence from 2 guidelines and level of evidence "Expert opinion" ADDED: Tricyclic Antidepressants - e.g. Amitriptyline (Elavil®) with supporting evidence from 1 guideline and level of evidence "Expert	Update Update NEW

	ADDED: Herbal supplements (Melatonin, Kava, Valerian) with supporting evidence from 1 guideline and level of evidence "Expert opinion"	NEW
	ADDED: Melatonin receptor agonists - Ramelteon (Rozerem®) with supporting evidence from 1 guideline and level of evidence "Expert opinion"	NEW
	ADDED: Antipsychotics - e.g. Quetiapine (Seroquel®) with supporting evidence from 1 guideline and level of evidence "Expert opinion"	NEW
	CHANGED: "Need to balance benefits with harms" moved to Medication footnote section and level of evidence for Benzodiazepines changed to "Expert opinion"	Update
	ADDED: "Tricyclic Antidepressants should be avoided in the elderly" to Medication footnote section	NEW
	ADDED: "Antipsychotics are a last option" to Medication footnote section	NEW
Self-Care Strategies	ADDED: "try to go to sleep and" to the item "Do you wake at the same time each day?"	Update
	MOVED: "If you can't fall asleep within 20-30 minutes, do you get out of bed and return to bed when you are sleepy?" to Self-care item "Do you go to bed when you are sleepy?"	Update
	ADDED: To the self-care item "Do you restrict napping in the daytime?" added "If needed, limit to one nap (20-30 minutes) and spend at least four hours awake before bedtime." with supporting evidence from one guideline.	Update
	ADDED: "Do you have a comfortable sleep environment?" to Self-care item "If noisy or too much light, do you use ear plugs or eye masks?" and added "Suggest to remove bedroom clock and avoid computer screens."	Update
	ADDED: "Do you know what to avoid? Suggest: limiting caffeine after noon, limit smoking or alcohol, spicy or heavy meals, excessive fluids, and intense activities close to bedtime."	NEW
References	2 new evidence sources; 0 outdated sources removed	NEW
Section	Changes for EXAMPLE GENERAL ASSESSMENT	Status
	CHANGED: "Caller" was changed to "Type of encounter (phone/in-person)" given the COSTaRS practice guides may also be used by health care providers during face to face encounters.	Update
1. Which symptom(s)	ADDED: ☐ Mouth dryness/Xerostomia and ☐ Skin Rash given these two symptoms have been added in the current update.	NEW
3. Conduct general symptom assessment	ADDED: To the section "Receiving cancer treatment" the following were added: "Immune Checkpoint Inhibitor Therapy: Name of Immune Checkpoint Inhibitor"; "Other systemic therapy (e.g. antiestrogen, monoclonal antibodies, targeted therapies): Name of therapy"; and "Surgery"	NEW