

# Carmustine, Etoposide, Cytarabine, and Melphalan (BEAM) Conditioning for Autologous Transplant

Care Team Contact Information: \_\_\_\_\_

Pharmacy Contact Information: \_\_\_\_\_

Diagnosis: \_\_\_\_\_

- This treatment is used as conditioning chemotherapy before an autologous stem cell transplant for non-Hodgkin lymphoma (NHL) and Hodgkin lymphoma (HL).
- It may also be used for other reasons.

Goal of Treatment: \_\_\_\_\_

## Treatment Regimen

| Treatment Name                                                                                      | How the Treatment Works                                                                                             | How the Treatment is Given                        |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Carmustine (kar-MUS-teen):<br>BiCNU (bye-CUE-new)                                                   | Slows down or stops the growth of cancer cells by damaging the genetic material that cancer cells need to multiply. | Infusion into a vein (intravenous (IV) infusion). |
| Etoposide (e-toe-POE-side):<br>Avopef (AY-voh-pef), Toposar (TOH-poh-sar),<br>VePesid (Vah-PEH-sid) | Slows down or stops the growth of cancer cells by blocking the process that allows cancer cells to grow.            | Infusion into a vein (intravenous (IV) infusion). |
| Cytarabine (sy-TARE-a-been):<br>Cytosar-U (SIGH-toe-sar YOU)                                        | Stops cancer cells from making the instructions they need to grow and multiply, causing the cells to die.           | Infusion into a vein (intravenous (IV) infusion). |
| Melphalan (mel-fah-lan):<br>Alkeran (al-keer-an), Evomela (e-voh-mela)                              | Slows down or stops the growth of cancer cells by damaging the genetic material that cancer cells need to multiply. | Infusion into a vein (intravenous (IV) infusion). |

## Treatment Administration and Schedule

Treatment is typically given 6 days before the infusion of your autologous stem cells. This is called stem cell “conditioning” chemotherapy.

**Treatment Administration and Schedule (Continued)**

| Treatment Name     | Conditioning Chemotherapy |        |        |        |        |        |       |
|--------------------|---------------------------|--------|--------|--------|--------|--------|-------|
|                    | Day -6                    | Day -5 | Day -4 | Day -3 | Day -2 | Day -1 | Day 0 |
| Carmustine         | ✓                         |        |        |        |        |        |       |
| Etoposide          |                           | ✓      | ✓      | ✓      | ✓      |        |       |
| Cytarabine         |                           | ✓      | ✓      | ✓      | ✓      |        |       |
| Melphalan          |                           |        |        |        |        | ✓      |       |
| Stem Cell Infusion |                           |        |        |        |        |        | ✓     |

**Appointments**

Appointments may include regular check-ups with your care team, treatment appointments, lab visits, and imaging tests. It's important to keep your appointments whenever you can. If you miss an appointment, call your care team as soon as possible to reschedule it.

**Supportive Care to Prevent and Treat Side Effects**

| Description                                  | Supportive Care Given at the Clinic or Hospital | Supportive Care Taken at Home |
|----------------------------------------------|-------------------------------------------------|-------------------------------|
| To help prevent or treat nausea and vomiting |                                                 |                               |
| To help prevent and treat diarrhea           |                                                 |                               |
| To help lower the risk of infections         |                                                 |                               |
| Other                                        |                                                 |                               |

## Common Side Effects

| Side Effect                                                                                           | Important Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Low White Blood Cell (WBC) Count (Neutropenia) and Increased Risk of Infection (Boxed Warning)</b> | <p>Description: WBCs help protect your body from infections. A low WBC count increases your risk of infection.</p> <p>Recommendations</p> <ul style="list-style-type: none"> <li>Wash your hands often and bathe regularly.</li> <li>Avoid crowded places and close contact with people who are sick.</li> <li>Follow food safety and wound care advice from your care team.</li> <li>Your care team may prescribe medicine to help your WBCs recover.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>Fever of 100.4°F (38°C) or higher</li> <li>Chills</li> <li>New or worsening cough or sore throat</li> <li>Painful urination or signs of a urinary infection</li> <li>Feeling much more tired than usual</li> <li>Red, swollen, warm, or painful areas on the skin (possible skin infection)</li> </ul>                                                                                                                                                                                                                              |
| <b>Low Platelet Count (Thrombocytopenia) (Boxed Warning)</b>                                          | <p>Description: Platelets help your blood clot and wounds heal. A low platelet count increases your risk of bruising and bleeding.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>Blow your nose gently and avoid picking it.</li> <li>Brush your teeth gently with a soft toothbrush and keep good oral hygiene.</li> <li>Use an electric razor for shaving and a nail file instead of nail clippers.</li> <li>Avoid over-the-counter medicines that can increase bleeding risk (for example, nonsteroidal anti-inflammatory drugs (NSAIDs) like ibuprofen).</li> <li>Talk with your care team or dentist before medical or dental procedures — you may need to pause treatment.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>A nosebleed lasting more than 5 minutes despite pressure</li> <li>A cut that continues to bleed</li> <li>Heavy gum bleeding when brushing or flossing</li> <li>Sudden or severe headache</li> <li>Blood in your urine or stool</li> <li>Blood in your spit after coughing</li> </ul> |
| <b>Low Red Blood Cell (RBC) Count and Hemoglobin (Hgb) (Anemia) (Boxed Warning)</b>                   | <p>Description: RBCs and Hgb carry oxygen to your body's tissues and remove carbon dioxide. Low RBC or Hgb (anemia) can make you feel weak or very tired or may make you look pale.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>Aim for 7 to 8 hours of sleep each night.</li> <li>Do not drive, operate heavy machinery, or do other dangerous activities if you are very tired.</li> <li>Balance activity and rest — stay as active as you can, but rest when needed.</li> <li>Eat a balanced diet and follow any nutrition or supplement advice from your care team.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>Shortness of breath</li> <li>Dizziness or fainting</li> <li>Fast or irregular heartbeats</li> <li>Sudden or severe headache</li> </ul>                                                                                                                                                                                                                                                      |

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fatigue                                             | <p>Description: Fatigue is a constant and sometimes strong feeling of tiredness.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Routine exercise can help reduce fatigue. Talk with your care team to find the right type and amount of activity for you.</li> <li>• Ask family and friends for help with daily tasks and for emotional support.</li> <li>• Try healthy ways to feel better, such as meditation, journaling, yoga, or guided imagery, to reduce anxiety and improve well-being.</li> <li>• Aim for 7 to 8 hours of sleep each night. Limit daytime naps to help you sleep better at night.</li> <li>• Do not drive, operate heavy machinery, or do other potentially dangerous activities if you are very tired.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Tiredness that affects your daily life or prevents you from doing normal activities</li> <li>• Tiredness that does not get better with rest</li> <li>• Dizziness or weakness along with severe tiredness</li> </ul> |
| Mouth Sores or Irritation (Mucositis or Stomatitis) | <p>Description: Treatment can irritate the lining of the mouth. In some cases, this can cause redness, sores, pain, and swelling.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Rinse your mouth after meals and at bedtime; rinse more often if sores develop.</li> <li>• Brush your teeth gently with a soft toothbrush or use a cotton swab after meals.</li> <li>• Use a mild, non-alcohol mouth rinse at least 4 times daily (after meals and at bedtime). Example: 1/8 teaspoon salt + 1/4 teaspoon baking soda in 8 oz warm water.</li> <li>• Avoid acidic, hot, spicy, rough, or crunchy foods and drinks that can irritate your mouth.</li> <li>• Avoid tobacco, alcohol, and alcohol-based mouthwash.</li> <li>• Your care team may prescribe medicines or mouth treatments to help with pain and healing.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Painful mouth sores or throat pain</li> <li>• Trouble eating or significant weight loss</li> </ul>                             |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nausea and Vomiting | <p>Description: Nausea is an uncomfortable feeling in your stomach or the need to throw up. You may or may not vomit.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Eat smaller, more frequent meals.</li> <li>• Avoid fatty, fried, spicy, or highly sweet foods.</li> <li>• Eat bland foods at room temperature and drink clear liquids.</li> <li>• If you vomit, start with small sips of water, broth, or other clear liquids. If these stay down, try soft foods (such as gelatin, plain cornstarch pudding, yogurt, strained soup, or strained cooked cereal) and gradually return to solid foods.</li> <li>• Your care team may prescribe medicine for these symptoms.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Vomiting for more than 24 hours</li> <li>• Nonstop vomiting</li> <li>• Signs of dehydration (very thirsty, dry mouth, dizziness, or dark urine)</li> <li>• Blood in your vomit or vomit that looks like coffee grounds</li> <li>• Severe stomach pain that does not go away after vomiting</li> </ul> |
| Liver Problems      | <p>Description: Treatment can cause liver injury. Your care team may check your liver with blood tests before and during treatment.</p> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Yellowing of your skin or the white part of your eyes (jaundice)</li> <li>• Severe nausea or vomiting</li> <li>• Pain on the right side of your stomach area (abdomen)</li> <li>• Dark, tea-colored urine</li> <li>• Bleeding or bruising more easily than normal</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kidney Problems     | <p>Description: Treatment can cause kidney problems, including damage to the kidneys and decreased kidney function. Your care team will monitor your kidney function during treatment.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Drink 8 to 10 glasses of water or other fluids each day, unless your care team tells you otherwise.</li> <li>• Your care team may give you fluids and electrolytes with your treatment.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Decrease in your amount of urine</li> <li>• Blood in your urine</li> <li>• Swelling of your ankles</li> <li>• Loss of appetite</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diarrhea                   | <p>Description: Diarrhea means having bowel movements more often than usual. Your stools may also be loose or watery.</p> <p>If you have diarrhea:</p> <ul style="list-style-type: none"> <li>• Keep track of how often you have diarrhea.</li> <li>• Drink 8 to 10 glasses of water or fluids each day. Do this unless your care team tells you otherwise.</li> <li>• Eat small meals with low-fiber foods. Try bananas, applesauce, potatoes, chicken, rice, or toast.</li> <li>• Avoid high-fiber foods. These include raw vegetables, fruit, and whole grains.</li> <li>• Avoid foods that may cause gas. These include broccoli and beans.</li> <li>• Avoid milk, yogurt, and other dairy foods.</li> <li>• Avoid spicy, fried, or greasy foods.</li> <li>• Your care team may recommend medicine for diarrhea. One example is loperamide (Imodium).</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• An increase of 4 or more bowel movements than usual in one day</li> <li>• Dizziness or lightheadedness while you have diarrhea</li> <li>• Signs of dehydration, such as feeling very thirsty, dizzy, or having dark urine</li> <li>• Blood in your stool</li> </ul> |
| Dry Eyes and Blurry Vision | <p>Description: Eye problems such as dry eyes and blurry vision can occur. Dry eyes may cause a gritty sensation, burning, or redness. Blurred vision can make it difficult to focus.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Your care team may recommend using artificial tears.</li> <li>• Stay well hydrated.</li> <li>• Use a humidifier in dry environments.</li> <li>• Wear sunglasses outdoors.</li> <li>• Avoid smoke, strong odors, and allergens.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Dry eyes</li> <li>• Increased tears</li> <li>• Blurred vision</li> <li>• Vision changes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Problems              | <p>Description: Treatment can cause a rash with itchy, dry, red, or puffy skin.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Bathe or shower daily with warm (not hot) water and mild, unscented soap or body wash.</li> <li>• Pat your skin dry with a towel instead of rubbing.</li> <li>• Apply unscented lotion or moisturizing cream right after bathing to prevent dryness and cracking.</li> <li>• Use lip balm for dry or chapped lips.</li> <li>• Avoid direct sun when you can. Use a broad-spectrum sunscreen with a sun protection factor (SPF) of 30 or higher and reapply every 2 hours when outdoors.</li> <li>• Use unscented, gentle laundry detergent to reduce skin irritation.</li> <li>• Your care team may recommend medicine for skin problems.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Skin rash</li> <li>• Raised red bumps</li> <li>• Redness of the skin</li> <li>• Very dry skin that may affect the mucous membranes (such as mouth and eyes)</li> </ul> |
| Hair Loss (Alopecia)       | <p>Description: Hair loss or thinning may begin days to weeks after treatment starts and usually grows back later. New growth can be a different color or texture and may not look the same as before.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Consider a short haircut before treatment and use scarves, hats, or wigs for comfort and confidence.</li> <li>• Keep your head covered outdoors to protect it from the sun and cold; apply sunscreen to your exposed scalp.</li> <li>• Use gentle haircare: mild shampoo, soft brush, and avoid heat styling and harsh treatments.</li> <li>• Ask your care team about wig prescriptions or resources for head coverings.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• No hair regrowth months after treatment ends</li> <li>• Concern about hair changes or need help finding a wig or support resources</li> </ul>                                                                                                                   |
| Tumor Lysis Syndrome (TLS) | <p>Description: TLS is a rapid breakdown of tumor cells that releases large amounts of potassium, phosphorus, and uric acid into the blood. This can cause dangerous electrolyte imbalances, kidney damage, irregular heartbeats, seizures, or sudden illness.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> <li>• Stay well hydrated as directed.</li> <li>• Your care team may prescribe medicines to prevent and treat TLS.</li> </ul> <p>Talk to your care team if you have:</p> <ul style="list-style-type: none"> <li>• Severe nausea, vomiting, or diarrhea</li> <li>• Urinating smaller amounts or dark-colored urine</li> <li>• Muscle cramps or twitching</li> <li>• Rapid heartbeats or chest pain</li> <li>• Confusion or weakness</li> </ul>                                                                                                                                                                                                                                                                                           |

## Select Rare Side Effects

| Side Effect                                                              | Talk to Your Care Team if You Have Any of These Signs or Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lung Problems<br/>(Boxed Warning)</b>                                 | <ul style="list-style-type: none"> <li>• Cough</li> <li>• Shortness of breath</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>• Chest pain or chest tightness</li> </ul>                                                                                                                                |
| <b>Allergic Reactions,<br/>Including Anaphylaxis<br/>(Boxed Warning)</b> | <ul style="list-style-type: none"> <li>• Swelling of your lips, mouth, tongue, or throat</li> <li>• Trouble breathing or swallowing</li> <li>• Raised red areas on your skin (hives)</li> </ul>                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>• A very fast heartbeat</li> <li>• You feel dizzy or faint</li> </ul>                                                                                                     |
| Infusion-Related Reactions                                               | <ul style="list-style-type: none"> <li>• Chills or shaking</li> <li>• Itching, rash, or flushing</li> <li>• Trouble breathing, wheezing, or tongue swelling</li> <li>• Dizziness or feeling faint</li> </ul>                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• Feeling of impending doom</li> <li>• Fever of 100.4°F (38°C) or higher</li> <li>• New or severe pain in your back or neck</li> </ul>                                    |
| Brain Problems                                                           | <ul style="list-style-type: none"> <li>• Headache</li> <li>• Dizziness</li> <li>• Confusion</li> <li>• Memory problems</li> <li>• Difficulty concentrating</li> <li>• Fatigue</li> </ul>                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>• Seizures</li> <li>• Muscle weakness</li> <li>• Tremors</li> <li>• Changes in mood or behavior</li> <li>• Sensory disturbances (such as tingling or numbness)</li> </ul> |
| Eye Problems                                                             | <ul style="list-style-type: none"> <li>• Dry or red eyes</li> <li>• Eye pain or swelling</li> <li>• Vision changes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>• Increased tears</li> <li>• Sensitivity to light</li> <li>• Blurred vision</li> </ul>                                                                                    |
| Extravasation                                                            | <p>Extravasation happens when medicine that is supposed to go into a vein leaks out into the tissues around it. This can cause pain, swelling, and damage to the skin and tissues. Melphalan may cause extravasation.</p> <ul style="list-style-type: none"> <li>• Pain, burning, or stinging at the infusion site</li> <li>• Swelling, redness, or blistering around the site</li> <li>• Coolness or numbness in the area</li> <li>• Decreased blood flow or tissue damage, potentially leading to ulcers or tissue death in severe cases</li> </ul> |                                                                                                                                                                                                                  |
| Risk of New Cancers                                                      | <p>There is a risk of developing one or more new cancers during or after treatment. Talk with your care team about this risk and ask about the signs and symptoms to watch for.</p>                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                  |

**Before starting treatment, ask your care team when to call 9-1-1 or seek emergency help.**  
**If you experience any new, worsening, or uncontrolled side effects, contact your care team immediately.**

### Intimacy, Fertility, Pregnancy, and Breastfeeding

- Treatment may **change how you feel about intimacy and your body**. However, physical closeness—such as holding hands and hugging—remains safe. It is common to have questions about intimacy. If needed, talk to your care team for guidance.
- Treatment can affect your **ability to have children**. It may damage your reproductive organs or stop them from working. If you are worried about fertility, talk to your care team before starting treatment.
- Treatment may **harm an unborn baby**.
  - If you are able to become pregnant:
    - Your care team will verify your pregnancy status before treatment.
    - Use an effective method of birth control during treatment with BEAM and for 6 months after your last dose of carmustine, etoposide, and melphalan.
    - If you think you might be pregnant or if you become pregnant, tell your care team right away.
  - If your partner is able to become pregnant, use an effective method of birth control—such as condoms—during treatment with BEAM, for 3 months after your last dose of carmustine and melphalan, and for 4 months after your last dose of etoposide.
- **Do not breastfeed** during treatment and for 1 week after your last dose of carmustine, etoposide, and melphalan.
- It is **not known** if cytarabine is present in **breast milk**. Talk with your care team if you are breastfeeding or plan to breastfeed.

### Handling Body Fluids and Waste

Some drugs you receive may stay in your urine, stool, sweat, or vomit for many days after treatment. Because many cancer drugs are toxic, your body waste may also be dangerous to touch. To help protect yourself, your loved ones, and the environment, **follow these instructions during** and for at least **48 hours** after your last dose of **carmustine, etoposide, cytarabine, and melphalan**:

- People who are pregnant should avoid touching anything that may be soiled with body fluids from the patient.
- You can use your usual toilet. Always close the lid and flush to discard all waste. If you have a low-flow toilet, flush twice.
- If the toilet or seat is soiled with urine, stool, or vomit, clean the surface after each use before others use it.
- Wash your hands with soap and water for at least 20 seconds after using the toilet.
- If you need a bedpan, inform your caregiver so they can wear gloves and assist with cleanup. Wash the bedpan with soap and water daily.
- If you cannot control your bladder or bowels, use a disposable pad with a plastic back, a diaper, or a sheet to absorb waste.
- Wash any skin exposed to body waste with soap and water.
- Wash soiled linens or clothing separately from other laundry. If you don't have a washer, place them in a plastic bag until they can be washed.
- Wash your hands with soap and water after touching soiled linens or clothing.

### Additional Information

- **Tell your care team about all the medicines you take.**  
This includes prescriptions, over-the-counter drugs, vitamins, and herbal products. Before starting any new medicine, supplement, or vaccine, ask your care team first.
- **This Patient Education Sheet may not describe all possible side effects.**  
Call your care team for medical advice about side effects. You may report side effects to the FDA at 1-800-FDA-1088.

**Notes**

Updated Date: September 29, 2026

Scan the QR code below to access this education sheet.

**Important Notice:**

The Association of Cancer Care Centers (ACCC), Hematology/Oncology Pharmacy Association (HOPA), Network for Collaborative Oncology Development & Advancement, Inc. (NCODA), and Oncology Nursing Society (ONS) have collaborated to gather information and develop this patient education guide. This guide is a summary of the medication, based on information provided by the drug manufacturer and other sources.

This guide does not cover all information available on the possible uses, directions, doses, precautions, warnings, interactions, adverse effects, or risks associated with this medication. It should not be used as a substitute for the advice of a qualified healthcare professional. The provision of this guide is for informational purposes only. It does not constitute or imply endorsement, recommendation, or favoring of this medication by ACCC, HOPA, NCODA, or ONS, who assume no liability for and cannot ensure the accuracy of the information presented. All decisions regarding this medication should be made with the guidance and direction of a qualified healthcare professional.

**Permission:**

Patient Education Sheets are provided as a free educational resource for patients with cancer and their caregivers in need of concise, easy-to-understand information about cancer therapy. Healthcare providers may copy and distribute the sheets to patients and direct them to the Patient Education Sheets website. However, commercial reproduction or reuse, as well as rebranding or reposting of any type, are strictly prohibited without permission of the copyright holders. Permission requests, including direct linking from Electronic Health Records, and licensing inquiries should be emailed to [patienteducationsheets@ncoda.org](mailto:patienteducationsheets@ncoda.org).

Copyright © 2026 by Network for Collaborative Oncology Development & Advancement, Inc. All rights reserved.

PES-689