



Provincial Health Services Authority

For the Patient: Daunorubicin

Other names: daunomycin, Cerubidine®

- **Daunorubicin** (dawn-oh-ROO-biss-in) is a drug that is used to treat many kinds of cancer. It is a clear red liquid that is injected into a vein.
- A **blood test** will be taken before each treatment. The dose and timing of your **treatment** may be changed based on your blood counts and/or other side effects.
- Your **healthcare team** may tell you to **drink extra fluids** (8-12 cups a day) **so that you will pass more urine**. This **will** help prevent kidney problems.
- Other drugs such as ciprofloxacin (Cipro®) may **interact** with daunorubicin. Tell your doctor if you are taking this or any other drugs. Check with your doctor or pharmacist before you start taking any new drugs.
- The **drinking of alcohol** (in small amounts) does not appear to affect the safety or usefulness of daunorubicin.
- Daunorubicin may damage sperm and may harm the baby if used during pregnancy. It is best to use **birth control** while being treated with daunorubicin. Tell your doctor right away if you or your partner becomes pregnant. Do not breastfeed during treatment.
- **Tell** your doctor, dentist, **and other health professionals** that you are being treated with daunorubicin before you receive any treatment from them.

Changes in blood counts

Daunorubicin may cause temporary changes in your blood counts. Your doctor will be following these changes carefully by **ordering regular** blood tests. Adjustment of your treatment may be needed in certain circumstances.

BLOOD COUNTS	MANAGEMENT
Normal white blood cells protect your body by fighting bacteria (germs) that cause infection. When they are low, you are at greater risk of having an infection.	To help prevent infection: <ul style="list-style-type: none"> • Wash your hands often and always after using the bathroom. • Take care of your skin and mouth. • Avoid crowds and people who are sick. • Call your healthcare team immediately at the first sign of an infection such as fever (over 38°C or 100°F by an oral thermometer), chills, cough, or burning when you pass urine.
Normal platelets help your blood to clot normally after an injury (e.g., cut). When the platelet count is low you may be more likely to bruise or bleed.	To help prevent bleeding problems: <ul style="list-style-type: none"> • Try not to bruise, cut or burn yourself. • Clean your nose by blowing gently. Do not pick your nose. • Avoid constipation. • Brush your teeth gently with a soft toothbrush as your gums may bleed more easily. Maintain good oral hygiene. <p>Some medications such as ASA (e.g., ASPIRIN®) or ibuprofen (e.g., ADVIL®) may increase your risk of bleeding.</p> <ul style="list-style-type: none"> • Do not stop taking any medication that has been prescribed by your doctor (e.g., ASA for your heart). • For minor pain, take acetaminophen (e.g., TYLENOL®).

Side effects are listed in the following table in the order in which they may occur. Tips to help manage the side effects are included.

SIDE EFFECTS	MANAGEMENT
Daunorubicin burns if it leaks under the skin.	Tell your nurse or doctor immediately if you feel burning, stinging or any other change while the drug is being given.
Your urine may be pink or reddish for 1-2 days after your treatment.	This is expected as daunorubicin is red and is passed in your urine.

SIDE EFFECTS	MANAGEMENT
<p>Nausea and vomiting may occur after your treatment and may last for up to 48 hours. If you are vomiting and it is not controlled, you can quickly become dehydrated.</p>	<p>You may be given a prescription for antinausea drug(s) to take before your treatment and/or at home. It is easier to prevent nausea than treat it once it has occurred, so follow directions closely.</p> <ul style="list-style-type: none"> • Drink plenty of liquids. • Eat and drink often in small amounts. • Try the ideas in <i>Practical Tips to Manage Nausea</i>.* <p>Tell your healthcare team if nausea or vomiting continues or is not controlled with your antinausea drug(s).</p>
<p>Hair loss is common and may begin within a few days or weeks of treatment. Your hair may thin or you may become totally bald. Your scalp may feel tender. You may also lose hair on your face and body. Your hair will grow back once your treatments are over and sometimes between treatments. Colour and texture may change.</p>	<p>Refer to Resources for Hair Loss and Appearance Changes – Patient Handout.*</p> <p>You may also want to:</p> <ul style="list-style-type: none"> • Use a gentle shampoo and soft brush. • Care should be taken with use of hair spray, bleaches, dyes and perms. • Protect your scalp with a hat, scarf or wig in cold weather. Some extended health plans will pay part of the cost of a wig. • Cover your head or apply sunblock on sunny days. • Apply mineral oil to your scalp to reduce itching. • If you lose your eyelashes and eyebrows, protect your eyes from dust and grit with a broad-rimmed hat and glasses.
<p>Pain or tenderness may occur where the needle was placed.</p>	<p>Apply cool compresses or soak in cool water for 15-20 minutes several times a day.</p>
<p>Your skin may darken in some areas such as your hands, elbows and knees.</p>	<p>This will slowly return to normal once you stop treatment with daunorubicin.</p>

***Please ask your nurse or pharmacist for a copy.**

CHECK WITH YOUR HEALTHCARE TEAM OR GET EMERGENCY HELP IMMEDIATELY IF YOU HAVE:

- Signs of an **infection** such as fever (**over 38°C or 100°F** by an oral thermometer); **shaking** chills; **severe** sore throat; **productive** cough (**coughing up thick or green sputum**), pain or burning when you pass urine; **cloudy or foul smelling urine, painful, tender, or swollen red skin wounds or sores.**
- Signs of **bleeding problems** such as black, tarry stools; blood in urine; pinpoint red spots on skin, or extensive bruising.

CHECK WITH YOUR HEALTHCARE TEAM AS SOON AS POSSIBLE (DURING OFFICE HOURS) IF YOU HAVE:

- Severe **skin reaction** where you have had radiation.
- Signs of **anemia** such as unusual tiredness or weakness.
- Signs of **heart problems** such as shortness of breath or difficulty breathing, swelling of feet or lower legs.
- Signs of **kidney problems** such as lower back or side pain, swelling of feet or lower legs.
- **Numbness or tingling** in feet or hands.
- Signs of **gout** such as joint pain.
- **Skin rash or itching.**

CHECK WITH YOUR HEALTHCARE TEAM IF ANY OF THE FOLLOWING CONTINUE OR BOTHER YOU:

- Uncontrolled nausea, vomiting or diarrhea.
- Easy bruising or **minor** bleeding.
- Redness, swelling, pain, or sores where the needle was placed.
- Redness, swelling, pain, or sores on your lips, tongue, mouth or throat.

REPORT ADDITIONAL PROBLEMS TO YOUR HEALTHCARE TEAM
