

## **FEC Followed By Docetaxel (Breast)**

Your chemotherapy treatment is called FEC Followed by Docetaxel (FEC+T). It is commonly used to treat breast cancer and has also been used to treat other diseases. FEC+T is made up of four chemotherapy drugs:

- 5-fluorouracil (5-FU), (five-flure-oh-YOOR-a-sill)
- epirubicin (ep-ee-ROO-bi-sin) or Ellence® (ell-ENCE)
- cyclophosphamide (sy-e-kloe-FOSS-fa-mide) or Cytoxan® (sy-e-TOX-an)
- docetaxel (doe-se-TAX-el) or Taxotere® (TAX-o-teer)

These drugs prevent cancer cells from dividing and growing, and can eventually cause the cancer cells to shrink and die.

### **What Do I Need to Know Before Starting Treatment?**

Be sure to tell your healthcare provider about any prescription or over-the-counter products you are taking, including dietary supplements, vitamins, herbal medicines and homeopathic remedies.

Use an effective birth control method while you are taking these drugs. Chemotherapy drugs can cause harm to a fetus, so be sure to tell your healthcare provider right away if you or your partner become pregnant.

Avoid breastfeeding during treatment. It is not known if these drugs pass into breast milk.

Some chemotherapy drugs can cause sterility. Talk with your healthcare provider about your options if you want to have children in the future.

Do not get any immunizations or vaccinations while taking chemotherapy drugs without the approval of your healthcare provider.

### **What Do I Need to Know Before Starting FEC+T?**

Your treatment can cause heart problems. Epirubicin can cause heart problems, such as congestive heart failure, during treatment or months or years after your treatment ends. Your risk of heart damage from epirubicin increases as the total dose of epirubicin or similar chemotherapy medicines you take increases. 5-FU and docetaxel can cause an irregular heart beat, angina, a heart attack or heart failure and may be more common in patients with a history of heart disease. Tell your healthcare provider if you have been treated with chemotherapy, radiation therapy to the chest or if you have heart disease. Call your healthcare provider immediately if you have back pain, flushing or chest tightness.

Epirubicin can cause irritation if it accidentally leaks out of the vein. Tell your healthcare provider right away if you feel pain, burning or swelling around the injection site during your treatment.

Epirubicin can cause urine, tears or sweat to turn red for one to two days after treatment. The red color is caused by the medicine, and it is not harmful.

In rare cases, patients treated with epirubicin may develop leukemia several years after treatment.

Cyclophosphamide can cause delayed wound healing.

Cyclophosphamide can cause bleeding in the bladder. Talk with your healthcare provider about drinking extra fluids and emptying your bladder frequently to reduce the risk of this side effect. Call your healthcare provider right away if you have blood in the urine or painful, frequent or difficult urination.

Docetaxel can cause an allergic reaction. Tell your healthcare provider immediately if you have itching, trouble breathing, dizziness, fainting or swelling of the lips, throat or tongue.

Docetaxel can cause edema, or fluid retention. This means your body is holding extra water. It usually begins after the fourth treatment and gradually goes away within weeks or months after the treatment is complete. Symptoms include a slight weight gain or swelling in the feet and legs. In rare cases, fluid can accumulate in the chest and around the heart.

Your healthcare provider will prescribe a medicine called dexamethasone to help reduce the risk of fluid retention and allergic reactions. It is important that you take the medicine as directed. If you miss a dose or take the medicine at the wrong time, tell your healthcare provider before your treatment.

In rare cases, allergic reactions and fluid retention caused by docetaxel can be severe and life-threatening.

Your treatment can interfere with other medicines, including:

- Cimetidine (Tagamet®)
- Diltiazem (Cardizem®, Cartia®, Diltia XT®, Tiazac® or Dilacor XR®), verapamil (Calan®, Covera-HS®, Isoptin® or Verelan®) or nifedipine (Adalat® or Procardia®)
- Digoxin (Lanoxin®)
- Ketoconazole (Nizoral®), fluconazole (Diflucan®) or itraconazole (Sporanox®)

Please note this list is a summary and does not contain all possible drug interactions. Contact your healthcare provider if you are taking any medications that can interact with your treatment.

**You should not take this treatment if you:**

- Are allergic to 5FU, epirubicin, doxorubicin, any other anthracycline drug, cyclophosphamide, docetaxel or any components of these drugs.
- You have had a recent heart attack or have severe congestive heart failure.
- Have a condition known as dihydropyrimidine dehydrogenase (DPD) deficiency.

### How Is the Treatment Given?

Your healthcare provider will give you your treatment by injection into a vein. The dose you receive will be based on your weight and height. Your healthcare provider will determine the number of treatments you receive. Once the FEC portion of your regimen is complete, the docetaxel will begin.

You may be given medicines to help prevent and control nausea and vomiting before you receive your treatment. These medicines may be given either by mouth or by injection into a vein.

If you are given any medicine to take at home, do not share it with others. Sharing this medication with anyone else could be harmful.

### When Should I Call My Healthcare Provider?

Call your healthcare provider right away if you have any of the following symptoms:

- Shaking chills or fever of 100.5 degrees F or higher
- Unusual bleeding, easy bruising or pinpoint red spots on your skin
- Vomiting that is severe or lasts several hours
- Painful or frequent urination or blood in your urine
- Diarrhea that causes an additional four bowel movements a day, diarrhea that lasts more than one day, diarrhea at night or diarrhea with fever, cramps or bloody stools
- Irregular or rapid heart beat, chest pain, chest tightness or shortness of breath
- Dizziness or feeling lightheaded
- Inability to eat or weight loss

### What Are the Possible Side Effects?

All drugs can cause side effects, but every person reacts differently to each drug. The following chart lists the possible side effects that can occur with your treatment, how to recognize and minimize symptoms and possible treatments. The side effects are grouped by how often the side effect occurs: Common (occurs in more than 25 percent of patients), Less Common (occurs in 5 to 25 percent of patients) or Rare (occurs in less than 5 percent of patients).

Side Effect	How to Minimize Side Effect	Possible Treatments
<b>Risk of Infection (Common)</b> <ul style="list-style-type: none"> <li>• Fever and chills</li> </ul>	<ul style="list-style-type: none"> <li>• Wash your hands often.</li> <li>• Brush and floss your teeth daily.</li> </ul>	<ul style="list-style-type: none"> <li>• You may be given medicine to increase your white blood cell</li> </ul>

Side Effect	How to Minimize Side Effect	Possible Treatments
<ul style="list-style-type: none"> <li>Painful urination</li> <li>Sore throat and cough</li> <li>Nasal congestion</li> <li>Swelling or redness of the skin at the site of a wound</li> </ul>	<ul style="list-style-type: none"> <li>Clean cuts right away with warm water, soap and antiseptic.</li> <li>When your white blood cell count is low, stay away from crowds and people with colds or other illnesses.</li> </ul>	<p>count.</p> <ul style="list-style-type: none"> <li>You may be given an antibiotic to treat or prevent infection.</li> <li>Your healthcare provider may decrease your chemotherapy dose or delay further chemotherapy.</li> </ul>
<p><b>Alopecia or Hair Loss (Common. Usually causes complete hair loss.)</b></p> <ul style="list-style-type: none"> <li>More than normal amount of hair loss in your brush, in the shower or on your pillow after sleeping</li> <li>Loss of body hair</li> </ul>	<p>Alopecia cannot be prevented but here are tips to help with hair loss:</p> <ul style="list-style-type: none"> <li>Use a soft hairbrush. Do not use brush rollers, color treat your hair or get a permanent.</li> <li>Avoid daily hair washing, use a mild shampoo and avoid using a hairdryer, or use a low setting if you must use one.</li> <li>Have your hair cut short; this will make it look fuller.</li> <li>Your insurance might cover a wig. Ask your healthcare provider for a prescription for a "hair prosthesis". Your hair color and style can be better matched if you shop for a wig before losing a lot of hair.</li> <li>Use sunscreen or wear a hat or scarf to protect your scalp from the sun.</li> </ul>	
<p><b>Nausea/Vomiting (Less Common. Symptoms are generally mild to moderate.)</b></p> <ul style="list-style-type: none"> <li>Feeling queasy or sick to your stomach</li> </ul>	<ul style="list-style-type: none"> <li>Eat small, frequent meals and bland foods—such as bananas, rice, applesauce and toast.</li> <li>Eat food cold or at room temperature so the smell of food will not bother you.</li> <li>Avoid fried, spicy or fatty foods.</li> <li>Eat and drink slowly.</li> <li>Drink plenty of liquids during the day, but to avoid bloating, drink small amounts of liquid during meals.</li> </ul>	<ul style="list-style-type: none"> <li>You will be given medicine to help reduce nausea and vomiting.</li> </ul>
<p><b>Mouth Sores and Pain (Less Common. Symptoms are generally mild but can be moderate.)</b></p> <ul style="list-style-type: none"> <li>Pain, swelling or redness of the mouth, tongue and throat</li> <li>"Coated tongue"</li> <li>Difficulty talking, swallowing or eating</li> <li>Bleeding ulcers and infection</li> </ul>	<ul style="list-style-type: none"> <li>Brush teeth two to four times a day using a soft bristle brush and fluoride toothpaste.</li> <li>Use non-waxed dental floss daily.</li> <li>Ask your healthcare provider to recommend a mouthwash that does not contain alcohol.</li> <li>Sip water during the day and use sugar-free candy or gum to keep your mouth wet.</li> <li>Eat food cold or at room temperature.</li> <li>Eat soft or pureed food.</li> <li>Avoid food that is acidic, spicy, salty, dry or rough, such as toast.</li> <li>Sucking on ice chips for 10 to 15 minutes before and after fluorouracil injections may help relieve the pain of mouth sores.</li> </ul>	<ul style="list-style-type: none"> <li>You may be given medicine to help treat pain.</li> <li>You may be given medicine to treat fungal or viral infections.</li> </ul>
<p><b>Fluid Retention (Less Common)</b></p> <ul style="list-style-type: none"> <li>Swelling around the eyes, lower legs, ankles, feet or abdominal area</li> <li>Slight weight gain</li> </ul>	<ul style="list-style-type: none"> <li>Check your weight regularly.</li> <li>Try to avoid eating salty foods, as this can cause fluid retention.</li> </ul>	<ul style="list-style-type: none"> <li>You may be given a diuretic (water pill) to reduce the amount of fluid in your body.</li> <li>Your healthcare provider may decrease your chemotherapy dose or delay further chemotherapy.</li> </ul>
<p><b>Nail Changes (Less Common)</b></p> <ul style="list-style-type: none"> <li>Darkening of the nails that usually grows out with the nail</li> <li>Vertical or horizontal bands on the nails</li> </ul>	<ul style="list-style-type: none"> <li>Trim nails often and keep them clean.</li> <li>Wear gloves for cleaning and gardening to minimize damage and prevent infection.</li> <li>Don't wear nail polish or false fingernails until the nails have grown out and returned to normal.</li> </ul>	<ul style="list-style-type: none"> <li>You may be given an antibiotic if there is an infection in the nail bed.</li> </ul>
<p><b>Bleeding (Rare)</b></p> <ul style="list-style-type: none"> <li>Unusual bleeding or easy bruising</li> <li>Black or tar-like stools</li> <li>Blood in your urine</li> <li>Pinpoint red spots on your skin</li> <li>Bleeding gums or nosebleeds</li> </ul>	<ul style="list-style-type: none"> <li>Avoid aspirin and aspirin-like drugs, such as ibuprofen.</li> <li>Use caution with sharp objects, such as razors and nail cutters.</li> <li>Avoid activities that can cause cuts, bumps and bruises.</li> </ul>	<ul style="list-style-type: none"> <li>You may be given medicine to increase your platelet count.</li> <li>Your healthcare provider may decrease your chemotherapy dose or delay further chemotherapy.</li> </ul>

Side Effect	How to Minimize Side Effect	Possible Treatments
<b>Anemia (Rare)</b> <ul style="list-style-type: none"> <li>Fatigue or weakness</li> <li>Dizziness</li> <li>Pale skin</li> <li>Feeling out of breath</li> <li>Feeling cold</li> </ul>	<ul style="list-style-type: none"> <li>Plan rest periods throughout the day.</li> <li>Organize daily activities so that you conserve your energy.</li> <li>Try to eat a well balanced diet and drink plenty of fluids.</li> <li>Stand up slowly to avoid getting dizzy.</li> </ul>	<ul style="list-style-type: none"> <li>You may be given medicine to increase your red blood cell count.</li> <li>Your healthcare provider may decrease your chemotherapy dose or delay further chemotherapy.</li> </ul>
<b>Radiation Recall (Rare)</b> <ul style="list-style-type: none"> <li>Redness, tenderness or swelling on areas of the skin that have previously been treated with radiation</li> <li>May include wet sores, peeling skin or discoloration after the skin has healed</li> </ul>	<ul style="list-style-type: none"> <li>Stay out of the sun and avoid tanning beds.</li> <li>If you are in the sun, wear protective clothing and use sunscreen with an SPF of 30 or higher.</li> </ul>	<ul style="list-style-type: none"> <li>You may be given a corticosteroid to reduce swelling.</li> </ul>

## What Are the Other Possible Side Effects?

The chart below lists additional side effects found with the individual drugs in this treatment. It does not list all possible side effects. For more information, talk with your healthcare provider.

Common Side Effects	Less Common Side Effects	Rare Side Effects
<ul style="list-style-type: none"> <li>Fatigue or weakness</li> <li>Pain at the injection site</li> <li>Irregularity in the menstrual cycle or sterility</li> <li>Skin discoloration</li> </ul>	<ul style="list-style-type: none"> <li>Irritation of the eyes, conjunctivitis or excessive tearing</li> <li>Dizziness</li> <li>Nosebleeds</li> <li>Darkening of soles of the feet or palms</li> </ul>	<ul style="list-style-type: none"> <li>Blood clots</li> <li>Scarring of lung tissue</li> <li>High or low blood pressure</li> </ul>

## Notes

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### Reference:

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