# Possible Side Effects of Cyclophosphamide, Cytarabine, Dexamethasone, Doxorubicin, Pegaspargase (PEG L-asparaginase) or Calaspargase, Thioguanine, and Vincristine (Table Version Date: April 5, 2024)

| **COMMON, SOME MAY BE SERIOUS**  In 100 people receiving Cyclophosphamide, Cytarabine, Dexamethasone, Doxorubicin, Pegaspargase or Calaspargase, Thioguanine, and Vincristine, more than 20 and up to 100 may have: |
| --- |
| * High blood pressure which may cause headaches, dizziness, blurred vision * Infection, especially when white blood cell count is low * Anemia which may cause tiredness, or may require transfusion * Bruising, bleeding * Allergic reaction which may cause rash, low blood pressure, wheezing, shortness of breath, swelling of the face or throat * Blood clot which may cause swelling, pain, shortness of breath * Diabetes * In children and adolescents: decreased height * Constipation, which may be severe, as a result of a bowel blockage * Nausea, vomiting, diarrhea, loss of appetite, pain in belly, heartburn * Sores in mouth, throat, and GI tract including rectum, which may cause difficulty swallowing or pain * Damage to the bone which may cause joint pain, loss of motion, or broken bones * Absence of menstrual period which may decrease the ability to have children * Blood in urine * Red colored urine, saliva, or sweat * Headache, jaw pain and/or bone/muscle pain * Muscle weakness and difficulty walking * Mood swings * Difficulty sleeping * Restlessness, worry * Numbness, pain, and tingling of the arms, legs, fingers and/or toes * Swelling of the body, tiredness, bruising * Increased appetite and weight gain in belly, face, back and shoulders * Swelling, pain, and redness at the site of the medication injection or area of previous radiation * Hair loss, skin changes, acne, rash, change in nails * Hives * Increased risk of sunburn * Chills, fever |

| **OCCASIONAL, SOME MAY BE SERIOUS**  In 100 people receiving Cyclophosphamide, Cytarabine, Dexamethasone, Doxorubicin, Pegaspargase or Calaspargase, Thioguanine, and Vincristine, from 4 to 20 may have: |
| --- |
| * Damage to the heart or heart failure which may cause shortness of breath, swelling of ankles, cough or tiredness * Abnormal heartbeat which may cause fainting * Chest pain * Fluid around the heart * Low blood pressure which may cause feeling faint * Blood clot, including in the brain, which may lead to stroke * Damage to the lungs or scarring of the lungs which may cause shortness of breath * Damage to the bone marrow (irreversible) which may cause infection, bleeding, may require transfusions * Severe blood infection * A tear or a hole in the bowels which may cause pain or that may require surgery * Belly pain, damage to the pancreas * Fluid in the belly, which may cause belly pain, swelling * Damage to the bowels * Liver damage which may cause yellowing of eyes and skin * Tumor lysis syndrome which may cause kidney damage which may require dialysis * Kidney damage which may cause swelling, may require dialysis * Difficulty emptying the bladder or urinating, excessive, frequent, or painful urination * Loss or absence of sperm which may lead to an inability to father children * Muscle pain * Dizziness, confusion * Paralysis * Difficulty with balance and hearing * Flu-like syndrome with fever, bone pain, rash, redness of eyes, or chest pain * Glaucoma * Cloudiness of the eye, visual disturbances, blurred vision * Swelling and redness of the eye * Drooping eyelids, abnormal eye movement * Hoarseness * Infection at injection site which may cause rash * Non-healing wound * Itching * Darkening of the nail beds or skin or hands and feet * Darkening of the gums |

| **RARE, AND SERIOUS**  In 100 people receiving Cyclophosphamide, Cytarabine, Dexamethasone, Doxorubicin, Pegaspargase or Calaspargase, Thioguanine, and Vincristine, 3 or fewer may have: |
| --- |
| * Posterior Reversible Encephalopathy Syndrome (PRES) which may cause headache, seizure, blindness * Swelling of the brain which may cause dizziness, confusion * Seizure * Coma * A new cancer (including leukemia) resulting from treatment * Sinusoidal obstructive syndrome (SOS) which may cause damage to the liver, yellowing of eyes and skin, swelling * Stevens-Johnson syndrome which may cause severe skin rash with blisters and peeling which can involve mouth and other parts of the body * Visual loss with a chance of blindness * Difficulty speaking, trouble standing or walking |