# Possible Side Effects of Cyclophosphamide, Cytarabine IV or SQ; Mercaptopurine (MP), Vincristine, and Pegaspargase or Calaspargase (Table Version Date: April 5, 2024)

| **COMMON, SOME MAY BE SERIOUS**  In 100 people receiving Cyclophosphamide, Cytarabine IV or SQ; Mercaptopurine (MP), Vincristine, and Pegaspargase or Calaspargase, more than 20 and up to 100 may have: |
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| * Allergic reaction which may cause rash, low blood pressure, wheezing, shortness of breath, swelling of the face or throat * Infection, especially when white blood cell count is low * Anemia which may cause tiredness, or may require transfusion * Bruising, bleeding * Blood clot, including in the brain, which may lead to stroke * Blood in urine * Constipation, which may be severe, as a result of a bowel blockage * Nausea, vomiting, diarrhea, loss of appetite, pain in belly * Sores in mouth, throat, and GI tract including rectum which may cause difficulty swallowing or pain * Absence of menstrual period which may decrease the ability to have children * Numbness and tingling of fingers or toes * Swelling of lower legs * Muscle weakness and difficulty walking * Headache, jaw pain and/or bone/muscle pain * Fatigue * Pain or redness at the site of injection * Hair loss, skin changes, rash, hives, change in nails * Fever, chills |

| **OCCASIONAL, SOME MAY BE SERIOUS**  In 100 people receiving Cyclophosphamide, Cytarabine IV or SQ; Mercaptopurine (MP), Vincristine, and Pegaspargase or Calaspargase, from 4 to 20 may have: |
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| * Paralysis * Damage to the heart or heart failure which may cause shortness of breath, swelling of ankles, cough or tiredness * Fluid around the heart * Abnormal heartbeat which may cause fainting * High blood pressure which may cause headaches, dizziness, blurred vision * Low blood pressure which may cause feeling faint * Chest pain * Damage to the bone marrow (irreversible) which may cause infection, bleeding, may require transfusions * Damage to the lungs or scarring of the lungs which may cause shortness of breath * Severe blood infection * Liver damage which may cause yellowing of eyes and skin * Kidney damage which may cause swelling, may require dialysis * Difficulty with balance and hearing * Damage to the pancreas causing abdominal pain * Diabetes * Difficulty emptying the bladder or urinating, excessive, frequent, or painful urination * Numbness and tingling of the arms and legs * Muscle pain * Dizziness, confusion * Loss or absence of sperm which may lead to an inability to father children * Flu-like syndrome with fever, bone pain, rash, redness of eyes, or chest pain * Swelling and redness of the eye * Drooping eyelids, abnormal eye movement * Hoarseness * Infection at injection site which may cause rash * Itching * Increased risk of sunburn |

| **RARE, AND SERIOUS**  In 100 people receiving Cyclophosphamide, Cytarabine IV or SQ; Mercaptopurine (MP), Vincristine, and Pegaspargase or Calaspargase, 3 or fewer may have: |
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| * Posterior Reversible Encephalopathy Syndrome (PRES) which may cause headache, seizure, blindness * Swelling of the body including the brain which may cause dizziness, confusion * A new cancer (including leukemia) resulting from treatment * Trouble standing or walking, coma * 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 |