# Possible Side Effects of Cyclophosphamide, Doxorubicin, Vincristine, and Prednisone (CHOP)

(Table Version Date: June 10, 2022)

| **COMMON, SOME MAY BE SERIOUS**In 100 people receiving Cyclophosphamide, Doxorubicin, Vincristine, and Prednisone (CHOP)more than 20 and up to 100 may have: |
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| * High blood pressure which may cause headaches, dizziness, blurred vision
* Infection, possibly in the blood, especially when white blood cell count is low
* Anemia which may cause tiredness, or may require transfusion
* Bruising, bleeding
* Blood in urine
* In children and adolescents: decreased height
* Loss of bone tissue
* Increased appetite and weight gain in the belly, face, back, and shoulders
* Nausea, vomiting, diarrhea, loss of appetite, pain in belly
* Constipation, which may be severe, as a result of a bowel blockage
* Sores in mouth or throat which may cause difficulty swallowing
* Absence of menstrual period or early menopause which may decrease the ability to have children
* Muscle weakness and difficulty walking
* Numbness and tingling of fingers or toes
* Headache, jaw pain and/or muscle pain
* Swelling of the body, tiredness, bruising
* Difficulty sleeping
* Mood swings
* Swelling and redness at the site of the medication injection or area of previous radiation
* Red colored urine, saliva, or sweat
* Hair loss, skin changes, rash, change in nails
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| **OCCASIONAL, SOME MAY BE SERIOUS**In 100 people receiving Cyclophosphamide, Doxorubicin, Vincristine, and Prednisone (CHOP)from 4 to 20 may have: |
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| * Heart failure or heart attack which may cause shortness of breath, swelling of ankles, cough or tiredness which may occur years after the dose
* Abnormal heartbeat
* Blood clot which may cause swelling, pain, shortness of breath
* Fluid around the heart
* Low blood pressure which may cause feeling faint
* Damage to the lungs or scarring of the lungs which may cause shortness of breath
* Diabetes
* Kidney damage which may cause swelling, may require dialysis
* Heartburn
* A tear or a hole in the bowels which may cause belly pain or that may require surgery
* Difficulty emptying the bladder or urinating, excessive, frequent, or painful urination
* Swelling of the body including the brain which may cause dizziness, confusion
* Paralysis
* Damage to the bone marrow (irreversible) which may cause infection, bleeding, may require transfusions
* Damage, loss, or absence of sperm which may lead to an inability to father children
* Dehydration
* Allergic reaction which may cause rash, low blood pressure, wheezing, shortness of breath, swelling of the face or throat
* Damage to the bone which may cause joint pain and loss of motion
* Cloudiness of the eye, visual disturbances, blurred vision
* Glaucoma
* Difficulty with balance and hearing
* Non-healing wound
* Weight loss
* Darkening of the gums
* Drooping eyelids, abnormal eye movement
* Hoarseness
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| **RARE, AND SERIOUS**In 100 people receiving Cyclophosphamide, Doxorubicin, Vincristine, and Prednisone (CHOP)3 or fewer may have: |
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| * Sinusoidal obstructive syndrome (SOS) which may cause damage to the liver, yellowing of eyes and skin, and swelling
* Seizure
* Coma
* Bleeding from sores in the stomach
* Visual loss with a chance of blindness
* A new cancer (including leukemia) resulting from treatment
* Broken bones
* Stevens-Johnson syndrome which may cause severe skin rash with blisters and peeling which can involve mouth and other parts of the body
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