



## Efficacy and Safety of Dose-Adjusted Bendamustine Drug for Cancer

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### ABOUT THE STUDY

Bendamustine, sold under brand names such as Treanda, is a chemotherapy drug used to treat chronic lymphocytic leukemia, multiple myeloma, and non-Hodgkin's lymphoma. It inhibits the growth of cancer cells and is eventually destroyed by the body. Bendamustine belongs to a group of cancer drugs called alkylating agents. These drugs work by interfering with the DNA of cancer cells. Bendamustine is available as a solution (liquid) or as a powder that is mixed with a liquid and injected intravenously over 10 minutes. Alternatively, it is infused intravenously over 30 or 60 minutes by a health care professional or hospital outpatient doctor or nurse. When bendamustine injections are used to treat chronic lymphocytic leukemia, it usually injects once a day for two days, followed by no drug for 26 days. This treatment period is called a cycle, which can be repeated every 28 days for up to 6 cycles. When using bendamustine injections to treat NHL, it usually injects once a day for two days, followed by 19 days without the drug. This treatment cycle can be repeated every 21 days for up to 8 cycles.

Using this medicine during pregnancy may harm the unborn baby. The doctor may do tests to make sure that you are not pregnant before you start taking this medicine. Use effective birth control to prevent pregnancy while taking this medicine and for at least 6 months after you stop taking it. Men should continue to use birth control for at least 3 months after the last dose of this medicine. If someone thinks that there might be a chance to become pregnant while using this medicine, tell the doctor right away to save the life of the unborn baby. Do not breastfeed during this treatment as the drug may pass into breast milk.

There might be an increased risk of blood clots during treatment. Drink plenty of fluids and keep moving to prevent blood clots. The frequency and severity of side effects vary from

person to person. It also depends on other treatments. For example, side effects may be worse if you are also receiving other medications or radiation therapy. These side effects affect more than 10 out of 100 people (more than 10%). These include an increased risk of infection, shortness of breath, bruising, bleeding gums or nose, nausea, and vomiting. A healthy diet is important during cancer treatment. Proper nutrition helps maintain strength and energy levels. But finding the right diet can be difficult if you're not feeling well. Some people lose their appetite and have difficulty eating because of the side effects of chemotherapy. The risks and benefits of taking a drug must be weighed when deciding to use it. Certain medicines should not be used together, but in other cases, two different medicines can be used together. Even though interactions may occur and may require dose modification or other precautions. Certain medicines should not be used before or after eating or eating certain types of foods as interactions can occur. The use of alcohol or tobacco and certain drugs can also cause interactions.

This drug may increase the risk of developing a serious and rare brain infection called progressive poly-leukoencephalopathy, severe allergic reactions, including anaphylaxis, and potentially life-threatening infusion reactions. Bendamustine can cause unusual fatigue and weakness in some people. Do not drive or engage in dangerous activities until you understand how this medicine may affect you. Long-term side effects of bendamustine are hair loss may thin hair, trouble falling asleep, palpitations, chest pain, changes in blood pressure, diarrhea, constipation, liver changes, and allergic reaction. It may not be safe to use certain medicines at the same time. Some medicines can affect the blood levels of other medicines that are taken, which can increase side effects or make the medicine less effective. However, bendamustine will help to kill cancer cells or slowing their growth.

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