



Provincial Health Services Authority

For the Patient: Nivolumab IV injection

Other names: OPDIVO®

- **Nivolumab** (nye vol' ue mab) is a drug that is used to treat some types of cancer. It is a monoclonal antibody, a type of protein designed to help your own body's immune system target cancer cells to stop them from growing. It is a clear liquid that is injected into a vein.
- Tell your doctor if you have ever had an unusual or **allergic reaction** to nivolumab before receiving nivolumab.
- A **blood test** may be taken before each treatment. The dose and timing of your treatment may be changed based on the test results and/or other side effects.
- Other drugs may **interact** with nivolumab. Check with your doctor or pharmacist before you start or stop taking any other drugs.
- Do not receive any **immunizations** before discussing with your doctor.
- The **drinking of alcohol** (in small amounts) does not appear to affect the safety or usefulness of nivolumab.
- Nivolumab may damage sperm and may harm the baby if used during pregnancy. It is best to use **birth control** while being treated with nivolumab and for at least five months after the last dose. Tell your doctor right away if you or your partner becomes pregnant. Do not breastfeed during treatment.
- **Tell** your doctor, dentist, and other health professionals that you are being treated with nivolumab before you receive any treatment from them.

Side effects are listed in the following table in the order in which they may occur. **Your treatment is a type of therapy known as immunotherapy and it may cause serious side effects related to your immune system. It is important to report side effects immediately to your healthcare team. Do not manage side effects at home without speaking with your healthcare team. Symptoms may be delayed and can develop months after your last dose. Refer to specific protocol handout (if available) for more details.**

SIDE EFFECTS	MANAGEMENT
Allergic reactions may rarely occur. Signs of an allergic reaction may include flushing, rash, itching, dizziness, swelling or breathing problems. This can occur immediately or several hours after receiving nivolumab.	Tell your nurse if this happens while you are receiving nivolumab or contact your healthcare team immediately if this happens after you leave the clinic.
Pain or tenderness may occur where the needle was placed.	Apply cool compresses or soak in cool water for 15-20 minutes several times a day.
Your white blood cells may decrease after your treatment. White blood cells protect your body by fighting bacteria (germs) that cause infection. When they are low, you are at greater risk of having an infection.	To help prevent infection: • Wash your hands often and always after using the bathroom. • Avoid crowds and people who are sick. • Call your healthcare team immediately at the first sign of an infection such as fever (over 38°C or 100°F by an oral thermometer), chills, cough, or burning when you pass urine.
Normal platelets help your blood to clot normally after an injury (e.g., cut). When the platelet count is low, you may be more likely to bruise or bleed.	To help prevent bleeding problems: • Try not to bruise, cut, or burn yourself. • Clean your nose by blowing gently. Do not pick your nose. • Avoid constipation. • Brush your teeth gently with a soft toothbrush as your gums may bleed more easily. Some medications such as ASA (e.g., ASPIRIN®) or ibuprofen (e.g., ADVIL®) may increase your risk of bleeding. • Do not stop taking any medication that has been prescribed by your doctor (e.g., ASA for your heart). For minor pain, try acetaminophen (e.g., TYLENOL®) first, but occasional use of ibuprofen may be acceptable.
Diarrhea may sometimes occur.	See your healthcare team or get emergency help.
Nausea and vomiting may occur after your treatment. If you are vomiting and it is not controlled, you can quickly become dehydrated. Most people have little or no nausea.	

SIDE EFFECTS	MANAGEMENT
Skin rashes may sometimes occur.	See or call your healthcare team as soon as possible.
Constipation may sometimes occur.	
Sugar control may rarely be affected in patients with diabetes.	
Loss of appetite and weight loss sometimes occur.	
Tiredness and lack of energy commonly occur.	
Hair loss is rare with nivolumab.	If hair loss is a problem, refer to <i>Resources for Hair Loss and Appearance Changes – Patient Handout</i> .*
Numbness or tingling of the fingers or toes rarely occur.	• Be careful when handling items that are sharp, hot, or cold. • Be careful when walking on uneven surfaces or doing activities that need you to balance or be steady. • Tell your healthcare team at your next visit, especially if you have trouble with buttons, writing, picking up small objects, walking, or have fallen.

*Please ask your nurse or pharmacist for a copy.

CHECK WITH YOUR HEALTHCARE TEAM OR GET EMERGENCY HELP IMMEDIATELY IF YOU HAVE:

- Signs of an **allergic reaction** (rare) soon after a treatment including dizziness, fast heart beat, face swelling, or breathing problems.
- Signs of an **infection** such as fever (over 100°F or 38°C by an oral thermometer), shaking chills; severe sore throat, productive cough (coughing up thick or green sputum); cloudy or foul smelling urine; painful, tender, or swollen red skin wounds or sores.
- Changes in **bowel habits**, **diarrhea**, black, tarry stools; blood or mucous in the stool; severe **abdominal pain**.
- Signs of **lung problems** such as new or worsening cough, chest pain, coughing blood, shortness of breath, or difficulty in breathing.
- Signs of **kidney problems** such as lower back or side pain, blood in the urine, swelling of feet or lower legs, or change in amount or colour of urine.
- Signs of **blood sugar problems** such as thirst and frequent need to pass urine.

