

PLUVICTO

PLUVICTO™ (lutetium Lu-177 vipivotide tetraxetan) is a radioactive compound known as a radiopharmaceutical. It is used to treat certain types of prostate cancer by linking a radioactive atom to a drug that targets specific cancer cells. It has U.S. Food and Drug Administration (FDA) approval for the treatment of prostate-specific membrane antigen-positive metastatic castration-resistant prostate cancer (PSMA-positive mCRPC) that has spread to other parts of the body.

Studies show that PLUVICTO can reduce the risk of cancer spreading, growing or getting worse. This is when compared to standard of care alone.

What to expect

Before you get PLUVICTO the care team will take your blood sample. They will send it to the lab for analysis. The care team will look at the results for your blood counts, and liver and kidney function.

The treatment process usually lasts less than 1 hour. A nurse will put an IV (into the vein) line in your arm or hand. Then, they will give you the PLUVICTO, which may take around 4 to 8 minutes.

PLUVICTO treatment involves radiation so you may have to wait a short time before you can leave the hospital. Your body gets rid of PLUVICTO mostly through the kidneys, so it is important to stay well hydrated. This will help flush the medication out. Drink plenty of fluids so you can urinate as often as possible before you go home.

Common side effects

There are different side effects from PLUVICTO. The most common side effects include:

- Fatigue (most common)
- Dry mouth
- Nausea
- Anemia
- Decreased appetite
- Constipation

Other possible side effects include decreased blood counts and kidney function, and infertility.

Treatment with PLUVICTO will expose you to radiation. This will add to your long-term radiation exposure. As a result, you may have blood-related side effects, such as:

- Low red blood cells (anemia)
- Low platelets (thrombocytopenia)
- Low numbers of a type of white blood cells (neutropenia)

Also, in rare cases, some people developed secondary myeloblastic syndrome and leukemia. The care team will closely watch your lab values during your treatment with PLUVICTO.

Important precautions to follow

The following guidelines can help you care for yourself while taking PLUVICTO.

- Stay well hydrated before and after the PLUVICTO treatment. This will help to limit radiation exposure to your kidneys.
- Take a shower every day.
- When using the bathroom, **sit on the toilet to avoid splashing**. When you finish, **flush the toilet at least 2 times**. Wash your hands well.
- If you have signs of bleeding or infection, call your physician.
- Be sure to complete your scheduled blood tests.
- Use an effective method of birth control during treatment and for 14 weeks after the last dose. PLUVICTO can cause harm to an unborn baby. PLUVICTO may cause temporary or permanent infertility.

Reducing radiation exposure to others

You received treatment with a radioactive material. The level of radiation your body sends out is low because your body shields some of the radiation that comes from PLUVICTO. But the radioactive material may come out in your bodily fluids like in your urine or vomit.

It is important to protect those around you from possible radiation exposure. Follow these 3 important rules to reduce your chances of exposing other to radiation.

- **Time** – Shorten the amount of time you spend close to others.
- **Distance** – Keep a safe distance from others (more than 3 feet).
- **Hygiene** – Shower every day. Wash your hands often and well.

After your PLUVICTO treatment, you will need to be extra careful when you are around other people. The following additional rules can help you keep people around you safe at home and in public spaces.

- Stay well hydrated before and after the PLUVICTO treatment.
- Limit close contact (less than 3 feet) with people in your household for 2 days
- Limit close contact (less than 3 feet) with children and pregnant women for 7 days

- Sleep alone in a separate bed:
 - For 3 days if sharing a bed with an adult
 - For 7 days if sharing a bed with a child
 - For 15 days if sharing a bed with a pregnant person
- Sit on the toilet when urinating. Then flush the toilet 2 times. Wash your hands well. Rinse the sink when you finish.
- Do not have intimate contact (including kissing) with anyone for 7 days
- Talk with your physician about when you may return to work
- Limit time spent in public places for 2 to 3 days
- Do not travel by airplane or mass transportation for 2 to 3 days
- If you plan to travel before your next treatment, please ask the care team for a travel card. This in case you need to show security that you received a radioactive treatment.
- Use an effective method of birth control during treatment and for 14 weeks after the last dose. PLUVICTO may cause you to have temporary or permanent infertility.

When to call your physician

If you have any questions about your PLUVICTO treatment, contact the Northwestern Memorial Hospital Nuclear Medicine Department at 312.926.2340 (TTY: 711) or the Radiation Safety Department 312.926.2292.

Please call your physician if you notice any of these symptoms:

- Unusual bruising
- Slight bleeding, like new nose bleeds or bleeding from your gums while brushing your teeth

If you need emergency care after your treatment, call 911 or go to the nearest emergency department. Emergency care is a priority over these precautions.