



BCG (Bacillus Calmette Guerin vaccine)

What is BCG therapy and why am I having BCG treatments?

Bacillus Calmette-Guerin (BCG) is the most effective intravesical immunotherapy for treating early-stage bladder cancer. BCG is a bacterium that is related to the germ that causes tuberculosis (TB), but it does not usually cause serious disease. BCG is instilled directly into the bladder through a catheter. The body's immune system cells are attracted to the bladder and activated by BCG, which in turn affects the bladder cancer cells. Treatment is usually started a few weeks after a transurethral resection of the tumor and is given once a week for 6 weeks. Usually long-term maintenance BCG therapy is given.

What do I do before the treatment?

1. You must have a chest x-ray before starting treatment if this is your first time receiving BCG therapy.
2. Try to restrict fluids before the treatment. You do not need to fast before the procedure.
3. Please withhold taking any diuretics before the procedure unless medically necessary.
4. Arrive to the office with some fluid in the bladder so we are able to obtain a urine sample.
5. No beverages with caffeine should be consumed 6 to 8 hours before the treatment.
6. If you see blood in your urine, please call our office as we may need to postpone the treatment.
7. If you have a urinary tract infection, please call our office as we need to postpone the treatment.
8. Disclose any medications, allergies, medical or surgical history to the provider.

What should I expect during the treatment?

The medical provider will go over what to expect before the BCG treatment is administered and ensure your consent.

1. When you arrive to the office you will be asked to provide a urine specimen to check for infection.
2. A catheter will be inserted.
3. The BCG medication will be instilled into your bladder through the catheter.
4. The catheter will be removed immediately after the medication has been instilled.

5. An antibiotic and a medication to help with any bladder discomfort will be provided in the office. We ask you take these medications before you leave the office.

What do I do after the treatment?

1. Make sure you have a follow-up appointment scheduled.
2. The BCG medication should be retained in your bladder for about 2 hours if possible. If you MUST urinate before 2 hours, the medicine will still be effective, but please attempt to wait at least 1 hour. Let us know at your next visit how long you were able to hold the BCG medication in your bladder. DO NOT try to hold the medication longer than 2 hours.
3. Do not consume any beverages with caffeine up to 2 hours after the treatment.
4. Consume a normal amount of liquids after the treatment.
5. Remain active after the treatment to help move the medicine around the bladder. If you lie down, move from side to side and back to front every 15 minutes while the BCG medication is in your bladder
6. *After waiting 2 hours to urinate, it is important to dispose of your urine using the below method:*

Sit down on the toilet and urinate fully to empty your bladder completely.

After urinating, pour 2 cups of household bleach into the toilet.

Let the urine and bleach mixture stay in the toilet for 15-20 minutes before flushing. Ensure you close the lid.

Repeat the above process each time you urinate up to 6 hours after the treatment.

Your urine may be a blue-green color initially due to the medication given to you in the office to help with bladder discomfort. If you choose not to take the medication, your urine will be it's normal color.

What are normal expectations after the treatment?

- Irritative voiding symptoms which should resolve
- Blood in the urine which should resolve
- Urinary urgency & frequency

What is the follow-up?

The provider will determine a follow-up plan based on each individual patient. Some follow-up visits may include a cystoscopy, repeat BCG treatments or an office visit.

- Symptoms of a urinary tract infection
- Excessive bleeding

What are the risks?

There is potential for adverse reaction with any medication. If you experience any of the following, please call the office or go to nearest hospital:

- Infection
- Irritative voiding symptoms that do not resolve within 1 week

- Transient fever greater than 100.5
- Flu-like symptoms
- Abdominal lymph node swelling
- BCG infusion requiring treatment or hospital admission
- Allergic reaction including skin rashes, difficulty breathing, drop in blood pressure
- Local infections
- BCG infection with fever, night sweats, cough and liver/lung involvement
- Possible positive PPD test

If you have any questions or concerns please contact our office between Monday-Thursday 8:30 AM-4:30 PM, Friday 8:30 AM-1:00 PM (we do not answer the phones between 12:00 PM-1:30 PM).

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-Excessive bleeding

What are the risks?

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-Infection

-Irritative voiding symptoms that do not resolve within 1 week

-Transient fever greater than 100.5

-Flu-like symptoms

-Abdominal lymph node swelling

-Bladder inflammation causing frequency or urgency

-Possible increase in sensitivity to certain antibiotics

-Allergic reaction including skin rashes, difficulty breathing, drop in blood pressure

-Local infections

-BCG infection with fever, night sweats, cough and liver/lung involvement

-Possible positive PPD test

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