MRI/TRUS FUSION PROSTATE BIOPSY

What Is MRI/TRUS Prostate Fusion Biopsy?

A prostate fusion biopsy is a diagnostic procedure for patients with suspected prostate cancer based on an elevated PSA screening test or abnormal prostate exam, or for those who have received a previous negative prostate biopsy and have continued suspicion for this condition in the past.

A prostate biopsy is an elective procedure, typically done in office, performed to evaluate prostate tissue and better determine treatment. It includes using a transrectal ultrasound as a guide to biopsy prostate tissue.
It is also frequently used for treatment planning for robotic surgery and radiation therapy to treat prostate cancer and to continue to monitor patients with a diagnosis of prostate cancer who are on active surveillance.

Pre-biopsy images from magnetic resonance imaging (MRI) with ultrasound-guided biopsy images in real time to create a detailed, three-dimensional view of the prostate. This can better target areas of the prostate that are hard to see, leading to fewer biopsies, more accurate diagnosis and better treatment decisions for prostate cancer patients.

How do I prepare for the procedure?

1. Discontinue any blood thinners (including aspirin) 7 days before the procedure.
2. Pick up and start the antibiotic that was prescribed.
3. Buy a Fleets enema at the pharmacy to be used 1-2 hours before the procedure.
4. You will need to fast for 8 hours prior to your assigned arrival time.
5. Disclose any medications, allergies, medical or surgical history to the provider.

*If you take any blood thinners on the following list, this will need to be discussed with your provider. Do not stop these medications on your own, unless otherwise noted by your cardiologist or Dr. Trotter/Dr. McClintock.

- o Plavix (Clopidrogel)
- o Pradaxa (Dabigatran)
- o Xarelto (Rivaroxaban)
- o Elquis (Aphixaban)
- o Effient (Prasugel)
- o Brillinta (Ticagrelor)
- o Aspirin or Baby Aspirin
- o Fish Oil

o Meloxicam

Medications Prescribed For Your Procedure: Please read the instructions below and ON THE MEDICATION BOTTLES for when, why and how to take them.

1. Cipro/Ciprofloxacin or Levaquin/Levofloxacin. These are antibiotics. You are to start the antibiotic the day before the procedure and complete the course as prescribed. It may cause GI upset.

What do I do the day before / the day of the procedure before I come in?

1. Start your antibiotic one day prior to biopsy or unless otherwise directed.
2. Use the Fleet enema 1-2 hours before the procedure.
3. Be sure to fast for 8 hours prior to your arrive time.

How is it performed?

The procedure is performed in an outpatient facility. The biopsy will be guided by an ultrasound device that is inserted into the rectum, allowing for visualization of the prostate. The provider then uses a small needle to obtain 12 biopsies from different areas of the prostate.
The provider will go over the details of the procedure before it is performed and ensure your consent. The provider will also advise you of the instructions for post procedure care and follow-up. You will need someone to drive you home from the procedure.

What do I do after the procedure?

Our office will contact you the day after the procedure to see how you are doing and address any concerns or questions.

1. Make a follow-up appointment for 1 week after the procedure in order to review the pathology.
2. Complete the prescribed antibiotic.
3. You can restart your blood thinners if there is no blood in your urine or semen after 7 days or as directed by your physician.
4. Hydrate well with water.
5. Decrease or limit strenuous activity.

What to expect after the procedure?

-Blood in your urine
-Blood in your stool
-Blood in your semen
-Testicular, penile or rectal pain
-Irritative voiding or bowel movements

What are the risks?

-Infection
-Excessive bleeding
-Urinary retention

How do I follow-up?
You are to follow up with the provider approximately 1 week after the biopsy to go over the results. We ask that all patients do this regardless of the results.

When do I call the office?
Please call the office if any of the following occur:
-Excessive pain
-Excessive bleeding
-Fever over 101 or chills
-Flu-like symptoms
-Nausea or vomiting
-Blood clots in the urine or bowel movements
-Difficulty urinating or inability to urinate
-Painful or frequent urination

Important Contact Information
Midtown Urology
911 W. 38th Street, Suite 200
(512) 451-7935 phone
(512) 451-7965 fax

If you need to reach the doctor after hours for an urgent matter, please call our office at 512-451-7935 and follow the prompts to be connected with the on-call provider.

You may also go to Seton Main Emergency Room on 38th and N. Lamar. Please only go to this hospital as our physicians have privileges there.

Hospital for Emergencies
Seton Main Medical Center
1201 W 38th St, Austin, TX 78705