Prostate Biopsy

Prostate Biopsy At Birmingham Prostate Centre

A prostate biopsy at Birmingham Prostate Centre involves using a needle to remove small samples of prostate tissue for microscopic examination. This procedure helps confirm or refute the presence of prostate cancer, providing valuable information about the cancer's aggressiveness and volume. We specialise in both local anaesthetic transperineal prostate biopsy (LATP) and general anaesthetic transperineal prostate biopsy (GATP), employing advanced techniques to ensure precision, safety, and patient comfort.

Local Anaesthetic Transperineal Prostate Biopsy (Latp)

LATP is conducted under local anaesthesia, numbing the area around the prostate while keeping you awake and alert. This minimally invasive approach offers rapid recovery and minimal discomfort:

- An ultrasound probe is inserted into the rectum to create real-time images of the prostate.
- A fine needle, guided by both ultrasound and multiparametric MRI, is inserted through the perineum (the space between the anus and the scrotum) to accurately extract tissue samples.
- The procedure, typically lasting 10-15 minutes, involves taking multiple biopsies to ensure comprehensive examination.
- Most patients report minimal discomfort, with a pain score of 0-2 out of 10.
- Recovery is swift, allowing most individuals to resume normal activities shortly after the procedure.

General Anaesthetic Transperineal Prostate Biopsy (Gatp)

For patients who prefer not to be aware during the procedure or when local anaesthesia is not suitable, GATP offers complete comfort under general anaesthesia. This method incorporates all the benefits of LATP, including:

- Ensuring no discomfort as the patient sleeps.
- Allowing for extensive tissue sampling, crucial for complex cases or when previous biopsies were inconclusive.

Preparing For Your Prostate Biopsy

You will receive comprehensive guidance on preparing for your biopsy during a pre-procedure consultation, including adjustments to your medication regimen and fasting protocols if undergoing GATP.

Benefits Of Transperineal Biopsy

Transperineal biopsy offers several advantages over transrectal ultrasound-guided (TRUS) biopsy:

- **Precision and safety**: Ultrasound guidance allows for precise needle placement, reducing complication risks.
- **Comprehensive access**: Enables access to hard-to-reach areas of the prostate, often missed by TRUS.
- **Infection control**: Significantly lower infection risk, less than 1% compared to up to 10% with TRUS biopsies.

Potential Risks Of Transperineal Biopsy

While generally safe, the procedure carries some risks:

- Common occurrences of blood in urine or semen, lasting up to six weeks.
- Minor bleeding in stools, resolving within a few days.
- Rare cases of infection.
- Temporary discomfort manageable with over-the-counter pain relief.
- About 6% of patients may temporarily need a catheter.
- Approximately 10% risk of not detecting cancer, significantly lower than 25% with TRUS.

Post-Biopsy Care And Consultation

Following your biopsy, you will consult with our prostate cancer specialist to discuss the results and potential treatment options.

Why Choose Birmingham Prostate Centre For Your Prostate Biopsy?

Birmingham Prostate Centre combines expert care, advanced technology, and a patient-centred approach to provide leading prostate biopsy services. Our skilled urologists excel in both LATP and GATP techniques, ensuring precision and safety. We prioritise your comfort and well-being throughout the diagnosis and treatment process.

Contact us today if you are considering a prostate biopsy to book a consultation and learn more about our advanced diagnostic options to support your prostate health.