



# Mr. Daniel Steiner

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## Urologist

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## **Trans-perineal (TP) prostate biopsy:**

A TP Prostate biopsy is a day procedure to take multiple needle biopsies/samples of the prostate.

It is generally indicated when there is a suspicion of prostate cancer based upon examination, PSA blood test or MRI scan.

The biopsy will be performed in hospital under a general anaesthetic and takes no more than 30 minutes. You will receive a dose of intravenous antibiotics to minimize the risk of infection.

For the procedure your legs will be carefully placed into stirrups. An ultrasound probe will be inserted into the anus to obtain images of the prostate.

A grid will be attached to the ultrasound probe which will allow accurate targeted biopsies of the prostate.

The biopsies are taken with a core biopsy needle device. The samples are taken via the perineum (the skin region underneath the scrotum in front of the anus). The advantage of this route of biopsy is a very low infection risk (<1/1000).

A flexible cystoscopy may also be performed at the time of the biopsy if there is an indication

Local anaesthetic will be injected into the skin after the biopsy to minimize pain

You will be able to go home after you have passed urine and typically will see Dr Steiner for the results within 1 week.

Side effects/risks of the biopsy include:

- Blood in urine for 1 week
- Blood in ejaculation for 1-2 weeks (occasionally longer)
- Urine/prostate infection (<1/1000)
- Discomfort around the perineum region for 1 week
- Worsening of baseline urine symptoms (eg slower flow, increased frequency)
- Urine retention (inability to pass urine due to prostate swelling) - <1%

If you experience a fever >37.8 degrees after the biopsy you should contact Dr Steiner's rooms or present to the emergency department.