

# Prostate Cancer Detection & Treatment

There are many screening pathways combining Radiology and Urology. EFW Radiology provides dedicated Prostate Ultrasound, 3T Prostate MRI, and Nuclear Medicine Bone Scans in the community.

## Ultrasound

Ultrasound uses high-frequency sound waves to create two-dimensional images without the use of radiation. Ultrasound is primarily used to guide transrectal ultrasound guided systematic biopsies, as well as ultrasound guided MRI fusion biopsies, which are currently the gold standard in establishing a diagnosis of prostate cancer.

## MRI

3T Prostate MRI provides definition and resolution of the prostate gland and adjacent tissues. Prostate MRI has the ability to preferentially detect clinically significant prostate cancer, and has emerged as a powerful tool in screening low and intermediate risk patients for prostate cancer. It is also used to follow patients on active surveillance, stage patients with known prostate cancer, and identify local recurrence post surgery/radiation therapy for prostate cancer.

## Nuclear Medicine

Nuclear Medicine is a diagnostic imaging specialty that uses clinically safe amounts of radioactive tracer to evaluate how bones are functioning. Nuclear Medicine bone scans are routinely used in the setting of prostate cancer to stage the degree of bony metastasis, assess treatment response, and identify bony sites of recurrent disease.

EFW.ca  
Central Booking: (403) 541-1200  
Fax: (403) 210-8377



EFW Radiology

# The EFW Advantage

- Sole provider of all types of prostate biopsies with established referral pathways to Urology, Medical, and Radiation Oncology for prostate cancer
- Warm, welcoming, and supportive environment for all patients
- Each requisition is protocolled by a team of highly trained subspecialized radiologists
- North and South Calgary Locations
- Free Parking

## Common Referral Pathways

- Ultrasound
  - Prostate Size
  - Prostate Biopsy
  - Infertility
- Nuclear Medicine Bone Scan
  - Prostate cancer staging (bony metastasis)
  - Response to therapy
  - Identifying bony sites of residual and recurrent disease
- 3T Prostate MRI
  - Prostate cancer screening
  - Prostate cancer staging
  - Prostate gland/bladder/pelvis imaging (i.e. abnormal DRE)
  - Following active surveillance patients
  - Identifying residual and/or recurrent disease post treatment

## Physician Relations Advisory Board Member

### Dr. Summit Sawhney, MD, FRCPC

Clinical Assistant Professor University of Calgary Staff, Radiologist,  
Division of Abdominal and Pelvic Imaging and Intervention



## EFW Locations

### PCC at Rockyview

7007 - 14th St SW  
Calgary, AB T2V 1P9

### Cambrian

100 & 201, 2000 Veterans Pl NW  
Calgary, AB T3B 4N2

### Seton

116 & 212, 3883 Front St SE  
Calgary, AB T3M 2J6