

# Prostate Markers

## Genetic Testing

Genetic counseling before and after genetic testing is very important. Genetic testing plays an important role in identifying who is at risk for certain disease, who is at risk for more aggressive disease and often genetic testing can play a critical role in determining the best and most effective treatment options. In prostate cancer specifically, identifying genetic mutations of inherited prostate cancer has implications for a man's risk of prostate cancer, the risk of more aggressive disease and to personalize treatment options. Additionally, there may be an impact on families, if certain gene mutations are found, it may be important that family members are also tested. We have often heard of BRCA1 and BRCA2 mutations when we hear of breast cancer but gene mutations like these are also important for other cancers, including prostate cancer.

### **Genetic Testing is Important When You Have Prostate Cancer If:**

- You have been diagnosed with a Gleason 7 or higher grade of prostate cancer.
- You have been diagnosed with prostate cancer that is considered advanced or has spread outside the prostate.
- Your prostate cancer is considered advanced or metastatic.
- You have a close blood relative (Mother, Father, Brother, Sister) that has been diagnosed with:
  - Ovarian Cancer
  - Breast Cancer Under the Age of 50
  - Pancreatic Cancer
  - Prostate Cancer
  - Lynch Syndrome
- If you have BRCA 1 or BRCA 2 mutation found on tumor profiling.



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