

Prostate Cancer Recommendations

Ten percent of primary tumors and 25 percent of metastases from prostate cancer harbor mutations in genes in the DNA damage repair pathway, including the *BRCA1* and *BRCA2* genes. The link between an elevated risk of prostate cancer and BRCA mutations has been well established, with the strongest association for the *BRCA2* gene. Prostate cancer in *BRCA2* mutation carriers appears to occur at an earlier age; has a more aggressive phenotype, a higher risk of nodal involvement, and distant metastasis; and is associated with a poor survival outcome in comparison to non-carriers.



► **For patients with a *BRCA1* mutation:**

- The lifetime risk for prostate cancer is about 20-30 percent.
- Prostate cancer screening in *BRCA1* mutation carriers is recommended starting at age 40. Screening may incorporate prostate specific antigen (PSA), digital rectal exam, ExactVu™ ultrasound, bladder scanning, and genomics.

over ►

| **WE FIND A WAY**



**Mount
Sinai**

*Tisch Cancer
Center*

Prostate Cancer Recommendations (cont.)

► **For patients with a *BRCA2* mutation:**

- The lifetime risk for prostate cancer is about 30-60 percent.
- Prostate cancer screening in *BRCA2* mutation carriers is recommended starting at age 40. Screening may incorporate prostate specific antigen (PSA), digital rectal exam, ExactVu™ ultrasound, bladder scanning, and genomics.

We will develop a personalized screening program for you based on your risk factors and medical history. We encourage shared decision-making with your physicians.

Mount Sinai's Comprehensive BRCA Program for men and women who have mutations in the *BRCA1* or *BRCA2* gene provides expert guidance to ensure that you receive appropriate cancer screenings, monitoring, and treatment, as needed.



For information and appointments, call 877-309-BRCA (2722).

www.mountsinai.org/care/cancer/about/brca-program

Image Source: Front: National Institutes of Health (NIH).
Creator: Ernesto del Aguila III, National Human Genome
Research Institute, NIH

| WE FIND A WAY



**Mount
Sinai**

*Tisch Cancer
Center*