Has your doctor recommended a prostate biopsy?

Johns Hopkins is conducting a research study to find a better way to perform prostate biopsies.

Prostate cancer is found by removing small samples from specific areas of the prostate at biopsy. A transrectal ultrasound probe is used during a biopsy to see the prostate. However, it is difficult for a doctor to know exactly which section of the prostate is being biopsied.

This research study seeks to improve prostate biopsies by using an investigational robotic device to control the movements of the ultrasound probe. Together with biopsy planning based on MRI, these controlled movements may help the doctor to better find cancerous areas and target certain sections of the prostate during your biopsy.

If you chose to take part in this research study, you will be randomly selected to have a robot-assisted or standard prostate biopsy.

This prostate biopsy study (Johns Hopkins IRB #00068488) is supported by the National Cancer Institute (NCT02871726). Dr. Misop Han is the principal investigator.

Who can take part in the research study?

Men between age 45 and 75 years who are recommended to undergo a prostate biopsy by their doctor due to an elevated prostate specific antigen level or abnormal digital rectal exam may participate.

What are the benefits of the research study?

The benefits of participation in this research study have not yet been established, but you may help others in the future.

What else do I need to know?

If you are interested in this research study, please e-mail Rana Harb (rharb1@jhmi.edu) and a doctor will contact you to discuss the research study and complete the consent process. Please visit https://urobotics.urology.jhu.edu/projects/TRUS-Robot/ to learn more.

Meet Johns Hopkins research and biopsy team: