

For potential TMIST patients

The Tomosynthesis Mammographic Imaging Screening Trial or TMIST is a study that compares the standard digital mammogram to a newer technology called Tomosynthesis. Tomosynthesis produces a 3-dimensional image of the breast as compared to two-dimensional imaging. If you enroll in the study it will be decided randomly whether you receive the regular mammogram or the newer Tomosynthesis technology throughout the study. You will be asked to come in for a screening mammogram every year or every two years for 5 years depending on risk factors. There are three consent forms available for review to better understand the study.

For more information, call the Research Coordinators Holly English (613-798-5555 x 19151) and My-An Auprix (x 13869) or email tmist@toh.ca.



“I am participating in TMIST because if 3-D mammograms can reduce the number of false positives, I think more women would go for mammograms.”

Meg Myers, TMIST Participant



“I am participating in the TMIST study because it’s an opportunity to help evolve the future of screening mammograms.”

Carolle Anderson, TMIST Participant

For Physicians referring patients

The goal of this study is to assess whether three dimensional (3D) digital tomosynthesis technology combined with 2D screening may be more effective at detecting breast cancer than traditional 2D mammography alone. Tomosynthesis is performed in the same way as standard mammographic views and takes only a few seconds more to obtain the images, in the same position as the standard images using similar radiation exposure.

- Patients must be 45-74.
- No personal history of Breast Cancer.
- No breast enhancements (implants or injections).
- Women of childbearing potential must not be pregnant or lactating.
- No screening mammogram within 11 months.
- No new signs or symptoms of benign or malignant breast disease.

Risk factors will determine whether women are screened annually or biennially for 5 years. Imaging will be performed at the Rose Ages Breast Health Center of The Ottawa Hospital. Participants will be randomized to regular mammography or tomosynthesis. The normal process for results reporting and referral for any additional diagnostic tests will be followed. The screening report will identify patients enrolled in the study and which test was performed.

To request this study for your patient, fax a requisition to TOH Breast Imaging Booking Office: **613-761-4405** indicating that the patient is a TMIST candidate. A requisition will be needed for each screening visit.

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Participant Informed Consent Form



Participant Blood Sample Informed Consent Form



Participant Buccal Sample Informed Consent Form



Medical Imaging Referral