

Background

The Breast Screen Reader Assessment Strategy (BREAST) was developed by The University of Sydney and Cancer Institute NSW in Australia to enhance the performance of radiologists and other clinicians involved with reading mammogram images.

This study is to collect performance data from advanced practitioners skilled in mammography film reading. It enables the participant to assess their performance in diagnosing breast cancers using online software which displays test cases derived from screening. Upon completion of a test set comprised of 60 cases, they receive immediate feedback with scores in lesion sensitivity, specificity, receiver operating characteristics (ROC), and jack-knife free response ROC (JAFROC) figures of merit. Feedback image files specific to each reader are also immediately provided which indicate correct and incorrect decisions on images. De-identified raw data on observer performances are stored centrally. These features make BREAST a powerful radiology training and research tool.

With funding from the College of Radiographers Industrial Partnership Scheme (CoRIPS), and supported by Symposium Mammographicum, BREAST workshops will be offered at Symposium Mammographicum 2018. The workshops will be self-directed with researchers on site to provide assistance if needed. Pre-registration workshops are required.

UK BREAST Workshops

Dates: 8th and 9th July 2018. Venue: Room 9, ACC Liverpool.

Please note that pre-registration for this workshop is required.

Session times:

Sunday 8 th July	Monday 9 th July
12.00-14.00	08.00-10.00
14.30-16.30	10.30-12.30
	13.00-15.00
	15.30-17.30

Aims

- To give mammography image readers an opportunity to assess their proficiency on a set of 60 clinically relevant test cases with immediate educational feedback on their performance
- To collect, with consent, de-identified data for research.
 - The primary aim of the research is to evaluate accuracy of cancer detection by trained mammographer readers in a test set of screening images.

Participants

Qualified advanced or consultant radiographers involved with reading mammograms are invited to participate. Each participant will receive a unique login and complete one test set (60 cases) within a 2 hour session. There will be ample time for reviewing answers within each session.

Ethics Approval and Consent Form

Research ethical approval has been obtained for use of images and data collection by Cancer Institute New South Wales; Australia. The participant consent form will be presented to each individual at the start of their session, embedded in the programme software.

It is important to register before the event as user accounts and passwords will be set up in advance.

To register, please contact: susan.williams2@sath.nhs.uk with your email address and preferred session time.