

# The Ottawa Hospital Breast Health Centre Annual Review April 2016 - March 2017

*Dr. Jean Seely, Head of Breast Imaging  
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The Breast Health Centre (BHC) is dedicated to providing the highest quality care for breast patients across the Champlain Local Health Integration Network (LHIN). It is a comprehensive breast centre that offers expertise in breast imaging, diagnosis, risk assessment, surgical planning and psychosocial support in a caring and efficient environment for individuals with breast cancer and other breast concerns.

## Program Highlights:

- ◆ 49,288 diagnostic breast examinations and procedures
- ◆ 2397 breast biopsies
- ◆ 5129 breast clinic patient visits
- ◆ 1929 referrals to the Breast Clinic: 889 diagnosed breast cancer patients
- ◆ Innovations in Patient Care:
  - ◆ TMIST



Diag. 1 Breast Health Centre Reception/Tour

## Inside:

Breast Imaging	2
Innovations and Changes	2
Education and CME	3
Breast Clinic Highlights	3
Publications	4
Partnerships and Looking Ahead	4

## People:

There have been some changes in the complement of medical staff at the BHC with nine breast surgeons, eight breast radiologists, and two family physicians with a special interest in breast problems. Dr. Chris Chadwick has retired from his role as a breast surgeon at TOH after many years of dedicated patient care. Dr. Amanda Roberts, a breast surgical oncologist, joined our team and the Division of General Surgery in January. Dr. Caroline Nessim has transitioned her surgical oncology role to focus primarily on melanoma and sarcoma. Dr. James Watters has stepped down from his role as Medical Director but continues as a physician in the breast centre clinics. We would like to thank him for his years of dedicated service and leadership. Dr. Tasneem Al Hassan is the Breast Imaging Fellow for the 2016-17. There were changes in the nursing staff this year with Pat Gorman retiring in January after working at the breast centre since it opened in 1997. Sandra Lowry left in March for the ACAC at the TOH General campus. Kasia Bronicki joined the breast centre nursing in March. Breast Imaging welcomed technologist Pernille Lamontagne to the team this year.



Dr. Amanda Roberts  
Surgeon



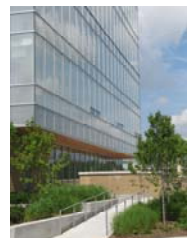
Dr. Tasneem Al Hassan  
Radiology Fellow



Kasia Bronicki  
RN



Pernille Lamontagne  
Technologist



Diag 2. Location of the new breast centre



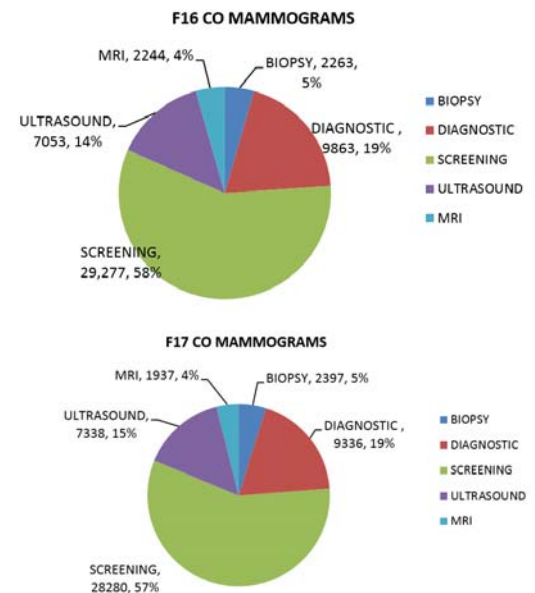
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## Breast Imaging

### WAIT TIMES AND INCREASED DIAGNOSTIC ASSESSMENTS AND BREAST BIOPSIES

There has been an increase in the requests for diagnostic breast ultrasounds, mammograms and ultrasound guided breast biopsies at the BHC. Wait times were noted to increase significantly in the fall, exceeding the threshold maximum wait time of 3 weeks. Weeknight and Saturday shifts were added which increased capacity slightly. As shown in the charts (Diag 3), diagnostic ultrasounds were increased by 4% and biopsies by 6% due to the increased efficiencies. Despite these, wait times for breast ultrasound remain too high. Capacity for breast ultrasound must be increased further in order to accommodate the added demand.

Screening mammography decreased slightly by 2%. Breast MRI volumes decreased by 14% due to the shift in focus of TOH to accommodate more P3 (priority 3) cases. A marked deficiency in the OBSP high-risk screening program was noted with 620 high-risk patients screened out of the total 1400 patients in the program in 2016-17. This was addressed by increasing awareness of the shortage of MRI hours for OBSP high-risk screening patients at the LHIN and Cancer Care Ontario levels.



Diag. 3 Volume of Breast Diagnostic Imaging

## Innovations in Care

### TOMOSYNTHESIS MAMMOGRAPHIC IMAGING SCREENING TRIAL (TMIST)

The screening trial for tomosynthesis is underway and recruited the first patient in August 2016. Since then, a total of 394 participants have been recruited into the TMIST at the BHC. This screening trial is open to all women between the ages of 40-74 who do not have a prior personal history of breast cancer and have no breast implants. Women are randomized to screening with either regular full field digital mammography (FFDM) or to FFDM plus digital breast tomosynthesis (DBT). DBT is a pseudo 3D digital mammography technique that is associated with higher invasive cancer detection rates and reduced false positives from overlapping tissue. A requisition from the family physician is required and all screens are performed at the BHC. Women who participate will undergo screening mammography every year for 3 years. For more information, the research coordinator Ellen McDonnell may be contacted at [elmcdonell@toh.ca](mailto:elmcdonell@toh.ca) or extension 19151.

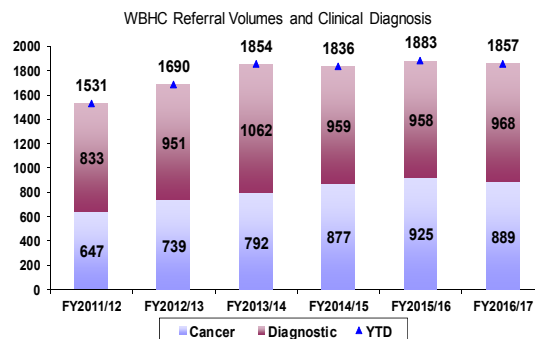
### NEW VIDEOS

Two new informational videos were developed by the breast health team under the leadership of Dr. Jean Seely. The videos focus on *Navigating the Breast Diagnostic Pathway* and *Breast Biopsy*. The videos are on The Ottawa Hospital website under *Patient Learning Links* in the Cancer Program. Planning is underway to also include the two videos on the TOH Medical Imaging website. The videos were filmed at the Breast Health Centre and provide a lot of important information about the breast diagnostic pathway in our centre, and across the region.

## Clinic Highlights

### ACTIVITY

The number of referrals for clinic consults (for proven breast cancer, diagnostic/benign questions and high lifetime risk, including gene mutation carriers) has stabilized over the past year after significantly increasing since 2011/12. Median YTD wait times from referral to consult continues to be 10 days for patients with breast cancer. Physicians and staff work together to ensure a high level of service to our patients despite the challenges with clinic capacity. Everyone is looking forward to the additional clinic capacity available in the new breast health centre when it opens in 2018.



Diag. 4 Volume of Referrals and their Clinical Diagnosis



Diag 5. Dr. Jean Seely;  
Sophie Grégoire Trudeau;  
Dr. Angel Arnaout

### Fundraising for The Ottawa Hospital Breast Centre

This was another successful year for fundraising for our new breast health centre. The breast centre team continues to work collaboratively with the Ottawa Hospital Foundation to ensure that we are best able to serve our patients today, and in the future. One of the many highlights over the past year was the *Breast Health Centre Update Reception/Tour* with **Sophie Grégoire Trudeau**, as well as many other guests. The success of our ongoing fundraising efforts means that we are much closer to our goal of opening the new Breast Health Centre!

## Education and CME

**Roberts A, Baxter N, Sutradhar R, Lau C, Zhong T. Factors associated with unplanned re-operations following post-mastectomy breast reconstruction: A population-based study.** Poster Presentation. American Society of Breast Surgeons 17th Annual Meeting, April 2016. Dallas, Texas.

Maxwell J, **Roberts A**, Cil T, Somogyi R, Osman F. **Current Practices and Barriers to the Integration of Oncoplastic Breast Surgery: A Canadian Perspective.** Poster Presentation. American Society of Breast Surgeons 17th Annual Meeting, April 2016. Dallas, Texas

Hosein A, Leblanc D, **Roberts A, Cordeiro E**, Nofech-Mozes S, Youngson B, McCreedy DR, Al-Assi M, Ramkumar S, Cil T. **Breast cancer histology and non-sentinel lymph node involvement following a positive sentinel lymph node biopsy: A multi-institutional cohort study.** Poster Presentation. American Society of Clinical Oncology Annual Meeting, June 2016, Chicago, Illinois.

European Society of Breast Imaging, Paris, France, Sep-16: **Outcomes after surgery for early-stage breast cancer in women staged with preoperative breast magnetic resonance imaging (MRI) according to breast tissue density.** Dr. J. Seely

**Update on the Surgical Management of Breast Cancer.** University of Ottawa Breast Retreat, Oct - 16. Invited Speaker: **Dr. Erin Cordeiro**

**Surgeon's perspective.** Breast Diagnostic Imaging CME Course. University of Ottawa, Oct - 16. Invited Speak: **Dr. Erin Cordeiro**

Breast Reconstruction and Awareness Day. Ottawa, ON, Nov - 16. **Surgical Oncologist perspective.** Invited Speaker: **Dr. Erin Cordeiro**

Grand Rounds, Department of Radiology, Brigham Women's Hospital, Harvard Medical School, Boston, Mass, USA, Dec-16: **Breast Cancer Screening in Canada.** Dr. J Seely.

Canadian Medical Physicist Mammography workshop Imaging Winter School, Chateau Montebello, Quebec, Feb-17: **Breast Imaging Screening: Evidence and Controversies.** Dr. J Seely.

Mammography Workshop/Imaging Winter School, Montebello, Quebec, Feb-17: **Digital Breast Tommosynthesis - Clinical Perspective.** Dr. J Seely.

Grootte Schuur Hospital, Academic lecture, South Africa Cape Town, Mar-17: **An algorithmic approach to breast masses.** Dr. J. Seely.

## Selected Publications

Charleton D, Maxwell J, **Roberts A**, Boileau JF, Cil T, Corrigan M, Holloway C, George R, McCready DR. **Breast Cancer**, In: Surgical Oncology Manual 2nd Edition. Wright FC, Escallon J, Cukier M, Tsang M, Hameed U, eds. Springer May 2016, 41 – 74

Cil T and **Cordeiro E**. **Complications of Oncoplastic Breast Surgery Involving Soft Tissue Transfer Versus Breast-Conserving Surgery: An Analysis of the NSQIP Database**. *Ann Surg Onc*. 2016. Oct; 23(10):3266-71.

**Cordeiro E**, Zhong T, Jackson T and Cil T. **The Safety of Outpatient Breast Reconstructive Surgery: An Analysis of Short-Term Outcomes**. *Am J Surg*. 2016. Nov 12. doi:10.1016/j.amjsurg.2016.11.015 [Epub ahead of print].

**Cordeiro E**, Jackson T and Cil T. **Same Day Major Breast Cancer Surgery is Safe: An analysis short-term outcomes using the NSQIP database**. *Ann Surg Onc*. 2016 Aug; 23(8):2480-6.

Maxwell J, **Roberts A**, Cil T, Somogyi R, Osman F. **Current Practices and Barriers to the Integration of Oncoplastic Breast Surgery: A Canadian Perspective**. *Ann Surg Oncol*. 2016 Oct;23(10):3259-65

**Roberts A**, Sandhu L, Cil TD, Hofer SO, Zhong T. **Contralateral prophylactic mastectomy rate stable at major Canadian breast cancer center**. *World J Clin Oncol*. 2016 Jun 10;7(3):302-7.

**Seely JM**, Lee J, Whitman G, Gordon P, **Canadian Radiologists Do Not Support Screening Mammography Guidelines of the Canadian Task Force on Preventive Health Care**, Canadian Association of Radiologists Journal (Elsevier, Canada, October 2016) *Can Assoc Radiol J*. 2017 Mar 25. pii: S0846-5371(16)30110-3. [Epub ahead of print] , 10.1016/j.carj.2016.08.004, 61-70

**Seely JM**, Lamb L, Malik N, Lau J, **The Yield of Pre-operative Breast MRI in Patients According to Breast Tissue Density**, *European Radiology*, Volume 26, Issue 9, 3280-9 (Germany, September 2016)

**Seely JM**, Verma R, Kielar A, Smyth KR, Hack K, Taljaard M, Gravel D, Ellison E, **Benign Papillomas of the Breast Diagnosed on Large-Gauge Vacuum Biopsy compared with 14 Gauge Core Needle Biopsy - Do they require surgical excision?**, *Breast Journal*, Volume 23, Issue 2, 146-153 (Wiley Periodicals, United States, 2017)

## Partnerships and Looking Ahead

The Ottawa Hospital Breast Health Center is a key player in the Champlain region for both diagnosis and treatment of breast cancer. It is the largest centre in the Quality Mammography Program. In collaboration with the other centres in the region, work is ongoing at coordinating diagnosis and treatment of breast cancer at other sites with additional capacity. The new breast health centre will have increased capacity. Construction at the new breast health centre site on the fourth floor of The Ottawa Hospital Cancer Centre has begun. The planned date for the move to the new breast health centre is September 2018.

### National Quality Measures Breast Centres (NQMBC)

The Breast Health Centre has been successful in achieving *participant* status in the *National Consortium of Breast Centers* this year. This is a first step in the NQMBC program certification levels. Importantly, the NQMBC program offers those providing breast health care to measure and compare their performance with other centres. The next step is submitting our data in order to achieve *certified participant* status within the next year. This is an important quality initiative for our breast health centre as we move forward in providing the highest quality care for breast patients across the region.