

**Goals & Objectives CanMeds**  
**Breast Imaging and Intervention**  
**BC Women's Breast health Program and**  
**Suite 505-750 West Broadway, Vancouver, BC V5Z 1H4**

**Total:** 1 month

**Level:** PGY 2 - 5

**Rotation Supervisor:** Dr. Paula Gordon

The rotation supervisor is Dr Paula Gordon at the Breast Program at BC Women's Hospital, X-ray 505 office in the Fairmont Building, (750 West Broadway), and the Screening Mammography Program. Other instructors include Dr. Linda Warren at these locations, Dr. Nicky Lapinsky and Dr. Miriam Buckley at X-ray 505. The division of time will vary depending on availability of instructors at the different facilities.

**Objectives:**

To provide broad clinical experience in breast imaging, including screening and diagnostic mammography, in breast ultrasound, and in the performance of special procedures such as biopsies, fine wire localizations, and galactograms.

**Location Variations:**

- Mondays and Wednesdays are at BC Women's. Enter the parking lot at 29th and Heather, and come in door 77 and go down the corridor to the left of the elevators all the way to the end. Start time is 7:45.
- Tuesdays and Thursdays are at 505. The address is unit 505 - 750 West Broadway at Willow. Start time is 7:45.
- Fridays will be at one of these locations and this will be decided during the week.

**Medical Expert:**

- *Demonstrate ability to read screening mammography with reasonable sensitivity and specificity*
- *Demonstrate understanding of what imaging is required for patients with an abnormal screening mammogram or presentation with clinical concerns*
- *Understand and effectively use BIRADS in interpreting breast imaging studies (mammography and ultrasound), and making appropriate recommendations for biopsy, including: indications, complications, appropriate alternatives, post procedure care or follow-up or return to routine screening*
- *Demonstrate skill in performing breast procedures: ultrasound and stereotactic core biopsy, US-guided FNA and FNAB, fine-wire localization (limited opportunity), galactograms (limited opportunity) including: patient positioning, sterile technique, local anaesthetic administration*
- Reading screening mammograms.
- Manage effectively the common clinical problems faced by breast imagers.
- Understand the appropriate uses of breast ultrasound and breast MR as adjunctive tests in breast imaging for problem solving.
- Perform numerous core biopsy procedures with stereotactic guidance.

- Observe, participate in or perform with and without direct supervision numerous procedures including ultrasound-guided cyst aspiration, fine needle aspiration and core biopsy of solid breast masses, and mammographically-guided fine-wire localization of suspicious findings preoperatively.
- Understand quality control procedures in mammography.

#### **Communicator:**

- *establish diagnostic relationship with patients*
- *obtain and synthesize relevant history from patients*
- *discuss appropriate information with patients*

#### **Collaborator**

- *consult effectively with technologists and other radiologists and fellows*

The resident may choose how to divide his or her time between diagnostic mammography, and observing breast ultrasound and guided procedures.

The resident has the opportunity to review screening mammograms at the X-ray 505 and BC Women's locations of the Screening Mammography Program. Between the 2 sites, ~ 500 examinations are performed each week. The resident may pre-read the examinations. The resident should record his or her impressions for each abnormal examination and leave the sheet of paper for the screener to review at the time the films are actually reported. The screener will indicate on the resident's notes whether he or she agrees or not. The Screening Program staff will set aside any films that have been called abnormal by either the resident or the screener, so that the following day the resident can review the previous day's work, as well as read the current day's mammograms.

#### **LEADER ROLE:**

- Implement processes to ensure personal practice improvement
- Set priorities and manage time to integrate practice and personal life
- Apply the science of quality improvement (ie discussion of potential audit) to contribute to improving systems of patient care
- Contribute to a culture that promotes patient safety, including recognition of patient safety issues, and utilization of health informatics to improve patient safety
- Demonstrate leadership skills to enhance health care

#### **Health Advocate**

- *Understand the benefits and "harms" of screening mammography, and the appropriate age and intervals to conduct it. Be able to explain this to patients and referring physicians.*
- *Understand the rationale for diagnostic mammography and ultrasound in the investigation of breast abnormalities, to make best use of public resources.*

#### **Scholar**

- *Effectively teach other medical personnel visiting the clinic; usually medical students, family practice residents*
- Be sufficiently knowledgeable to pass the Canadian and American radiology exams, and to work in a practice where breast imaging is performed, with available supervision and advice from senior colleagues

### ***Professional***

- *Deliver highest quality care with integrity, honesty and compassion*
- *Exhibit appropriate personal and interpersonal professional behaviour*
- *Practice medicine ethically consistent with obligations of a physician*
- *Demonstrate insight with regards to own limitations, strength and weaknesses, asks for help when appropriate*
- *Be accepting of constructive criticism*

**Reading List: TBD**