



BREAST CENTRES NETWORK

Synergy among Breast Units

Perola Byington Hospital - São Paulo, Brazil

General Information



New breast cancer cases treated per year 1000

Breast multidisciplinary team members 105

Radiologists, surgeons, pathologists, medical oncologists, radiotherapists and nurses

Clinical Director: Luiz Henrique Gebrim, MD, PhD

Pérola Byington Hospital is responsible for treating more than 1,000 cases of breast cancer per year. In 2005 a model of visits based on quick diagnosis and treatment was implemented named CARE (High Resolutivity Center). This model is based on the “One Stop Clinic” approach that contemplates integrating the professionals and the physical space in the same physical area. In this model, a trained physician can have the results on the same day of mammography and ultrasonography. A biopsy is performed on the same day, and after 2 or 3 weeks, our pathologists trained in mammary pathology can give us the results with the immunohistochemistry analyses. With this approach, we have optimised resources and gain the agility to confirm breast cancer, whether palpable or not. In 2016, there was a need for integration between CARE and clinical oncology professionals. This approach allowed a clinical visit by the oncologist on the same day of the breast cancer confirmation and the possibility of initiating the treatment between 7 to 10 days. Since the prognosis is closely linked to the stage, this approach can substantially increase disease cure rates.

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Available services

- Radiology
- Breast Surgery
- Reconstructive/Plastic Surgery
- Pathology
- Medical Oncology
- Radiotherapy

- Nuclear Medicine
- Rehabilitation
- Genetic Counselling
- Data Management
- Psycho-oncology
- Breast Nurses

- Social Workers
- Nutritional Counselling
- Survivorship Groups
- Sexual Health Counselling
- Supportive and Palliative Care
- Integrative Medicine

Radiology

- Dedicated Radiologists** 6
- Mammograms per year** 15000
- Breast radiographers**
- Screening program**
- Verification for non-palpable breast lesions on specimen**
- Axillary US/US-guided FNAB**
- Clinical Research**

Available imaging equipment

- Mammography
- Ultrasound
- Magnetic Resonance Imaging (MRI)

Available work-up imaging equipment

- Computer Tomography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- PET/CT scan

Primary technique for localizing non-palpable lesions

- Hook-wire (or needle localization)
- Charcoal marking/tattooing
- ROLL: radio-guided occult lesion localization

Available breast tissue sampling equipment

- Stereotactic Biopsy (Mammography guided)
 - Core Biopsy (Tru-cut)
- Vacuum assisted biopsy
- Ultrasound-guided biopsy
 - Fine-needle aspiration biopsy (FNAB, cytology)
 - Core Biopsy
 - Vacuum assisted biopsy
- MRI-guided biopsy
 - Core Biopsy
 - Vacuum assisted biopsy

Breast Surgery

- New operated cases per year (benign and malignant)** 1020
- Dedicated Breast Surgeons** 48
- Surgeons with more than 50 surgeries per year** 30
- Breast Surgery beds** 120
- Breast Nurse specialists** 33
- Outpatient surgery**
- Intra-operative evaluation of sentinel node**
- Reconstruction performed by Breast Surgeons**
- Clinical Research**

Primary technique for staging the axilla

- Axillary lymph node dissection
- Sentinel lymph node biopsy:
 - Blue dye technique
 - Radio-tracer technique
 - Blue dye + Radio-tracer
- Axillary sampling

Reconstructive/Plastic Surgery

- Reconstructive/Plastic surgeons** 16
- Immediate Reconstruction available**

Type of breast reconstructive surgery available

- Remodelling after breast-conserving surgery
- Reconstruction after mastectomy:
 - Two-stage reconstruction (tissue expander followed by implant)
 - One-stage reconstruction
 - Autogenous tissue flap
 - Latissimus dorsi flap
 - Transverse rectus abdominis (TRAM)
 - Free-flaps (free TRAM, DIEP, SIEA, gluteal, etc.)
- Surgery on the contralateral breast for symmetry

Pathology

- Dedicated Breast Pathologists** 8

Available studies

- Cytology
- Haematoxylin & eosin section (H&E)
 - Surgical specimen
 - Sentinel node
 - Core biopsy
- Frozen section (FS)
 - Surgical specimen
 - Sentinel node
- Immunohistochemistry stain (IHC)
 - Estrogen receptors
 - Progesterone receptors
 - HER-2
 - Ki-67

Other special studies available

- Fluorescence in-situ Hybridization for HER-2 gene (FISH)
- Oncotype Dx (21-gene assay)
- MammaPrint (70-gene microarray)
- Prediction Analysis of Microarray 50-gene set (PAM 50)

Parameters included in the final pathology report

- Pathology stage (pT and pN)
- Tumour size (invasive component in mm)
- Histologic type
- Tumor grade
- ER/PR receptor status
- HER-2/neu receptor status
- Peritumoural/Lymphovascular invasion
- Margin status

Medical Oncology

- Dedicated Breast Medical Oncologists** 10
- Outpatient systemic therapy**
- Clinical Research**

Radiotherapy

- Dedicated Radiation Oncologists**
- Clinical Research**

Available techniques after breast-conserving surgery (including experimental)

- Whole-Breast RT (WBRT)
- Partial breast irradiation (PBI):
 - External beam PBI
 - Interstitial brachytherapy
 - Targeted brachytherapy (MammoSite, SAVI applicator, other devices)
 - Intra-operative RT (IORT)

Multidisciplinary Meeting (MDM) / Tumour Board (TB)

Regular MDM/TB for case management discussion

- Twice a week
- Weekly
- Every two weeks
- Other Schedule

Cases discussed at MDM/TB

- Preoperative cases
- Postoperative cases

Specialties/services participating in MDM/TB

- Radiology
- Breast Surgery
- Reconstructive/Plastic Surgery
- Pathology
- Medical Oncology
- Radiotherapy
- Genetic Counselling
- Breast Nurse Service
- Psycho-oncology
- Physiotherapy, nutritionist

Further Services and Facilities

Nuclear Medicine

- Lymphoscintigraphy
- Bone scan
- Positron Emission Tomography (PET)
- PET/CT scan

Rehabilitation

- Prosthesis service
- Physiotherapy
- Lymph-oedema treatment

Genetic Counselling

- Specialist Providing Genetic Counselling/Risk assessment service:
 - Dedicated Clinical Geneticist
 - Medical Oncologist
 - Breast Surgeon
 - General Surgeon
 - Gynaecologist
- Genetic Testing available
- Surveillance program for high-risk women

Data Management

- Database used for clinical information
- Data manager available

Contact details

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Reconstructive Surgery

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From airport:

It is located in the central part of SP, you can reach it from the international airport of Guarulhos (GRU) by cab (28 km) or Congonhas (CGH)

By bus or sub-way/underground:

It is near the 'SÉ' and 'Liberdade' subway station (walking distance)

By car:

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