



# BREAST CENTRES NETWORK

Synergy among Breast Units

## Instituto Brasileiro de Controle do Cancer - IBCC/ São Camilo Oncologia - São Paulo, Brazil

### General Information

Image: Instituto Brasileiro de Controle do Cancer - IBCC/ São C

**New breast cancer cases treated per year** **1100**

**Breast multidisciplinary team members** **34**

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

**Clinical Director:** Edison Mantovani Barbosa, PhD

Founded in 1968 by Prof. Dr. João Sampaio Goes Jr., the Brazilian Institute for Cancer Control / São Camilo-Oncology, has become a highly complex Treatment Center with a Clinical Research Center, and a Teaching Center for the training of Physicians in the area of Breast Cancer. In addition to being pioneer in the control of breast cancer, it has an excellent care model, including longitudinal patient follow-up with activities focused on primary prevention, screening, multidisciplinary treatment planning and palliative care.

### Instituto Brasileiro de Controle do Cancer - IBCC/ São Camilo Oncologia

Av. Alcântara Machado, 2576

03102-002 São Paulo,

Phone: 551134744222

Fax:

E-mail: [diretoria.mooca@hospitalsaocamilosp.org.br](mailto:diretoria.mooca@hospitalsaocamilosp.org.br)

Web-site: [www.ibcc.org.br](http://www.ibcc.org.br)

## 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** 13000
- ✓ **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)
- ✓ stereotatic RX

### 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)** 1000
- ✓ **Dedicated Breast Surgeons** 16
- ✓ **Surgeons with more than 50 surgeries per year** 16
- ✓ **Breast Surgery beds** 8
- ✓ **Breast Nurse specialists** 2
- ✓ **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** 300
- ✓ **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** 5

### 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** 4
- ✓ **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

## 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

## Clinical Director

Edison Mantovani Barbosa, PhD	Head of Breast Cancer Department	<a href="mailto:e.mantovani@uol.com.br">e.mantovani@uol.com.br</a>	5511983842333
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## Radiology

Paulo Eduardo de Assis, MBA	head of Radiology Department	<a href="mailto:diretoria.mooca@hospitalsaocamilosp.org.br">diretoria.mooca@hospitalsaocamilosp.org.br</a>	5511 34744223
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## Breast Surgery

Edison Mantovani Barbosa, PhD	Head of Breast Department	<a href="mailto:e.mantovani@uol.com.br">e.mantovani@uol.com.br</a>	5511983842333
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## Reconstructive Surgery

Rafael Santos	head of Breast Reconstructive Surgery	<a href="mailto:diretoria.mooca@hospitalsaocamilosp.org.br">diretoria.mooca@hospitalsaocamilosp.org.br</a>	5511 34744223
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## Pathology

Sheila Wludarsqi, PhD	head of Pathology	<a href="mailto:diretoria.mooca@hospitalsaocamilosp.org.br">diretoria.mooca@hospitalsaocamilosp.org.br</a>	5511 34744223
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## Medical Oncology

Lilian Arruda	head of Breast Medical Oncology	<a href="mailto:diretoria.mooca@hospitalsaocamilosp.org.br">diretoria.mooca@hospitalsaocamilosp.org.br</a>	5511 34744223
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## Radiotherapy

Silvia Stuart, PhD	head of Breast Radiation Oncology	<a href="mailto:diretoria.mooca@hospitalsaocamilosp.org.br">diretoria.mooca@hospitalsaocamilosp.org.br</a>	5511 34744223
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## How to reach us



### **Instituto Brasileiro de Controle do Cancer - IBCC/ São Camilo Oncologia**

Av. Alcântara Machado, 2576

03102-002 São Paulo,

Phone: 551134744222

Fax:

E-mail: [diretoria.mooca@hospitalsaocamilosp.org.br](mailto:diretoria.mooca@hospitalsaocamilosp.org.br)

Web-site: [www.ibcc.org.br](http://www.ibcc.org.br)

#### **From airport:**

Subway: Bresser Station Taxi: Av. Alcântara Machado 2576

#### **By bus or sub-way/underground:**

Bresser Station

#### **By car:**

Av. Alcântara Machado, 2576

**Last modified:**