



# BREAST CENTRES NETWORK

Synergy among Breast Units

## Jehangir Breast Care Centre, Jehangir Hospital - Pune, Maharashtra, India

### General Information



**New breast cancer cases treated per year** **200**

**Breast multidisciplinary team members** **6**

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

**Clinical Director:** Anupama Mane, MS

Jehangir Breast Care Centre is the only hospital-based dedicated Breast Care Centre in Pune city with latest technology and highly trained and experienced all women team of clinicians and allied services. It is located in the wellness section of the hospital, segregating it from the other out patient departments and patients. The ambience of the Breast Centre is beautiful, giving a relaxed and comfortable feeling to the ladies who come for checkups. Digital mammography and high resolution sonography with elastography are within the Breast Centre premises so that patients do not have to go far. The highlight of the centre is all women team comprising of senior breast specialist doctors, nurses, mammography technicians, clinical psychologists, lymphoedema experts, physiotherapists, genetic counsellors, lactation consultants etc, all in the same place. Consultation with the doctor, imaging and biopsies can all be done on the same day with prior appointment. The treatment of all breast cancer patients is decided by a multidisciplinary team of experts. Separate speciality clinics like lactation clinic, lymphoedema clinic, genetic clinic and mastalgia clinic are also available.

### **Jehangir Breast Care Centre, Jehangir Hospital**

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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** 1
- Mammograms per year** 1800
- 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)
- Elastography

**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)** 192
- Dedicated Breast Surgeons** 1
- Surgeons with more than 50 surgeries per year** 1
- Breast Surgery beds** 12
- Breast Nurse specialists** 1
- 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** 1
- ✓ **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
- ✓ Cosmetic surgeries also like breast augmentation, mastopexy, reductions, liposuction etc

## Pathology

- ✓ **Dedicated Breast Pathologists** 1

### 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)
- ✓ Tumour panel (hot spot in 50 somatic cancer genes)

### 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
- ✓ Grading of post NACT response

## Medical Oncology

- ✓ **Dedicated Breast Medical Oncologists** 1
- ✓ **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**

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**Radiology**

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**Breast Surgery**

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**Reconstructive Surgery**

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**Pathology**

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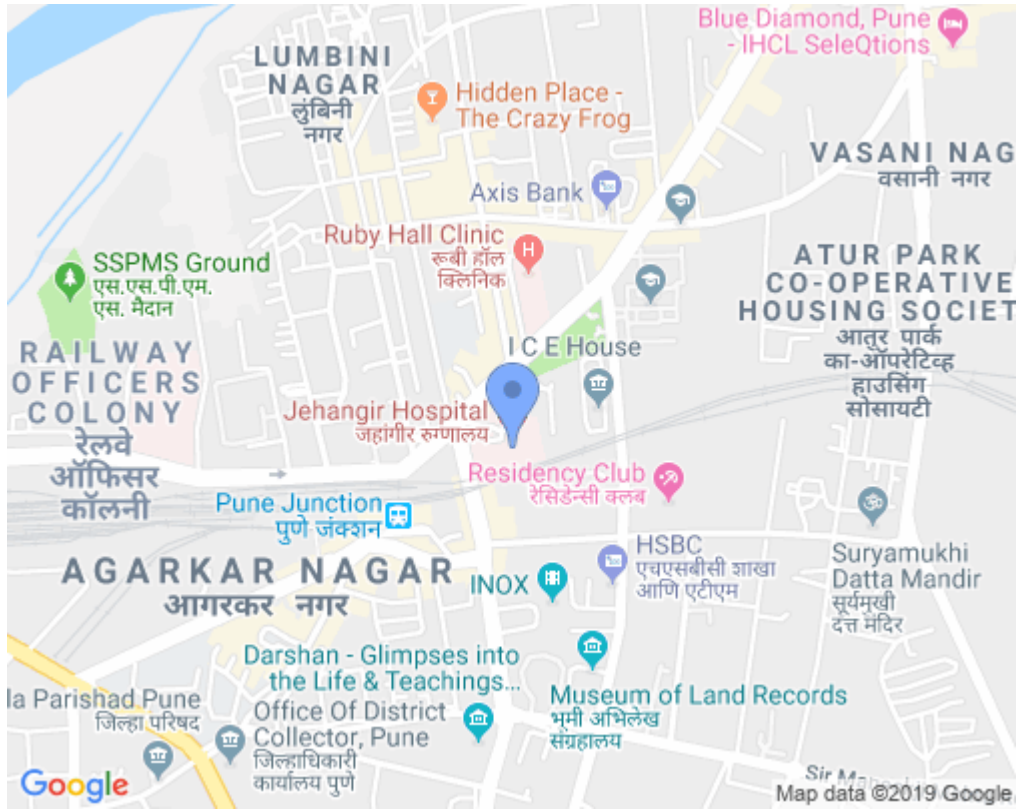
**Medical Oncology**

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**Radiotherapy**

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How to reach us



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**From airport:**

From Pune airport distance to Jehangir hospital is 7.5 kms. It takes 20-30 minutes by taxi/car depending on traffic conditions.

**By train:**

Pune railway station is very close to Jehangir Hospital. It is less than 1 km (walking distance).

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

Several city buses pass by the road outside Jehangir Hospital. Nearest major interstate bus stand is at Pune Railway station which is less than 1 km.

**By car:**

Major landmark near Jehangir Hospital to come by car is Pune Railway Station. It is less than 1 km away. It is very easy to find.

**Last modified:** 01 August 2017