



# BREAST CENTRES NETWORK

Synergy among Breast Units

## Haseki Research and Training Hospital - Istanbul, Turkey

### General Information



**New breast cancer cases treated per year** 150

**Breast multidisciplinary team members** 11

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

**Clinical Director:** Muzaffer Akinci, MD

Our hospital construction was completed 456 years ago. In 1843 our hospital was destined only to women. After this date it had treated orphans in need of care, homeless patients and desperate women. Under a protocol signed in 1994 the hospital was transferred to the Ministry of Health and was transformed into the Haseki Search and Training Hospital. After that date our hospital has served uninterruptedly.

### Haseki Research and Training 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** 2
- Mammograms per year** 6000
- 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)** 250
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 10
- 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** \_\_\_\_\_ 2
- 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** \_\_\_\_\_ 3

**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** \_\_\_\_\_ 2
- 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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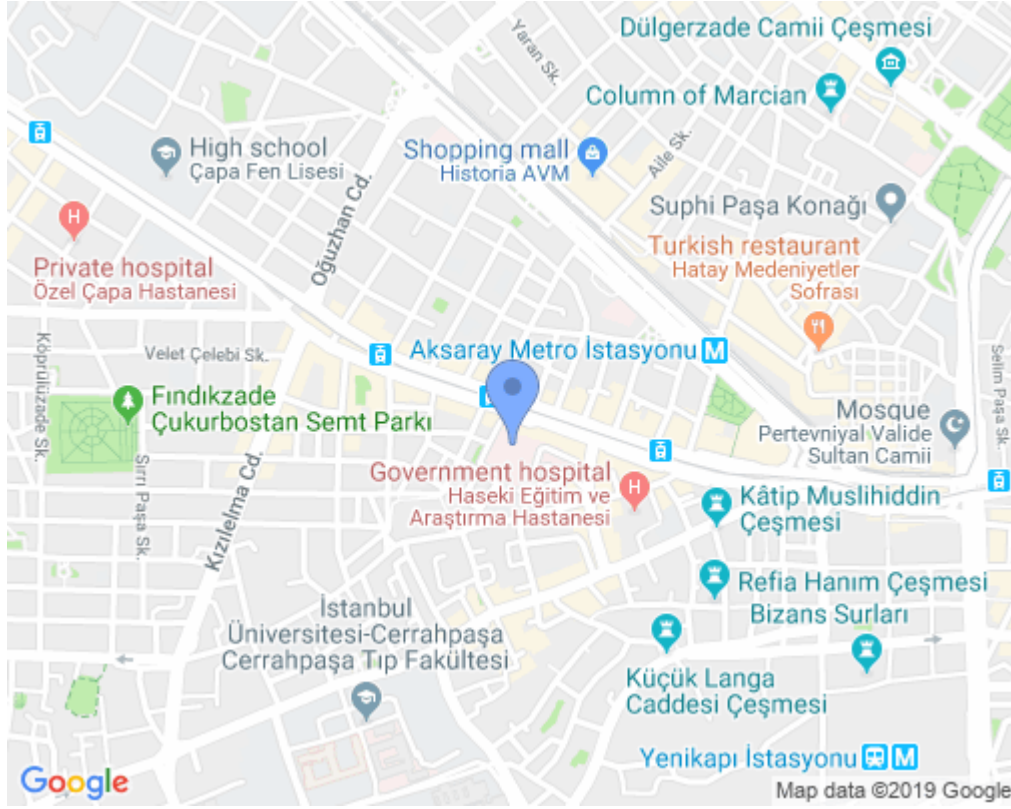
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## Medical Oncology

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How to reach us



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#### From airport:

From Atatürk international airport to our hospital it takes 30 minutes by car. Haseki Research and Training Hospital is located in the Fatih District/Istanbul.

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

From the Atatürk international airport to our hospital by subway you should get off at Aksaray station.

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