



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ Istanbul Onkoloji Hastanesi - Istanbul, Turkey

### General Information



**New breast cancer cases treated per year** 320

**Breast multidisciplinary team members** 10

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

**Clinical Director:** Cem Yilmaz, MD

Istanbul Onkoloji Hospital is an oncology hospital mainly specialised in breast services. More than 70% of the treated patients are breast cancer patients. Also, lung cancer, gynaecological cancer, melanoma and endocrine surgery service is provided. As the system is mainly based on breast cancer treatment, the hospital is the unique hospital that serves breast cancer patients with 100% dedicated breast radiologist, breast pathologist and breast surgeon. The medical oncology unit is certified by the local authority to perform day and hospitalised service. The radiation oncology unit is working with two linear accelerator devices, IMRT, IGRT and all types of planning also for metastasis is available.

### **Istanbul Onkoloji Hastanesi**

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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** 6500
- 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)
- Tomosynthesis

## 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)** 266
- Dedicated Breast Surgeons** 1
- Surgeons with more than 50 surgeries per year** 1
- Breast Surgery beds** 25
- 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
- SPIO
- 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** 2

**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
- ✓ Ki67, Cytokeratin for Sentinel

**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

Gynecology and Urology

## 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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## 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:

Istanbul Onkoloji Hastanesi Breast Center can be easily reached both from Sabiha Gokcen Airport and Ataturk Airport.

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

From Ataturk Airport take Metro to Yenikapi and get off at Yenikapi; then get on Marmaray to Ayriлик Cesmesi direction and get off Marmaray at Ayriлик Cesmesi; then take the metro to Kartal direction and get off at Gulsuyu stop. When you get off at Gulsuyu stop, it is 50 metres to Istanbul Onkoloji Hospital.

#### By car:

Istanbul Onkoloji Hospital is located on Istanbul Asian side near E-5 main motorway at Gulsuyu district.

**Last modified:** 23 May 2019