



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Marmara University Hospital Breast Center - Pendik, Istanbul, Turkey

General Information



New breast cancer cases treated per year **184**

Breast multidisciplinary team members **9**

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

Marmara University Hospital Breast Center was established in 2001 and since 2010 it serves at its new building at Pendik. The center has radiology, surgery and pathology staff giving breast care service at one diagnostic setting. The comprehensive breast care is given to patients as a multidisciplinary setting. The center has breast care dedicated consultants on breast surgery, radiology, pathology, nuclear medicine, medical oncology, radiation oncology, medical genetics, physical medicine and rehabilitation, gynaecology, plastic/reconstructive surgery and psychiatry. Breast diagnostics meetings and tumor board are regularly held weekly. The center has received quality assurance certifications for its management system as well as for its information technology system since 2006. The center is also hosting the multidisciplinary postgraduate education for breast health. The center's first objective is to serve as a one-stop diagnostic unit and secondly to provide a high standard breast cancer care and postgraduate education for its residents and medical students.

Marmara University Hospital Breast Center

Fevzi Cakmak mah. Mimar Sinan cad. 41, Ustkaynarca

34899 Pendik, Istanbul,

Phone: +902166254545

Fax: +902166254580

E-mail: bmgulluoglu@marmara.edu.tr

Web-site: www.marmaragenelcerrahi.com/?page=sections&id=9

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** 5220
- 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)
- Microwave Breast Imaging (experimental)

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)** 278
- Dedicated Breast Surgeons** 2
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 6
- 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

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)

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
- largest size of metastasis at lymph node, Ki 67

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

Nuclear Medicine

Further Services and Facilities

Nuclear Medicine

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

Rehabilitation

Prosthesis service

Physiotherapy

Lymph-oedema treatment

Physical exercise, Pain management

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

Radiology

Aribal M. Erkin, MD	Head of Breast Radiology Dept.	earibal@marmara.edu.tr	+902166254545
Onur Bugdayci, MD	Assistant Professor	onurbug@hotmail.com	+905326107330

Breast Surgery

Bahadır M. Gulluoglu, FACS, MD	Head of Breast Surgery Dept.	bmguulluoglu@marmara.edu.tr	+902166254545
Mehmet Bayramicli, MD	Staff Plastic & Reconstructive Surgeon	mbayramicli@marmara.edu.tr	+902166254545
M.Umit Ugurlu, MD	Staff Breast Surgeon	umitugurlu@gmail.com	+902166254545

Reconstructive Surgery

Mehmet Bayramicli, MD	Staff Plastic & Reconstructive Surgeon	mbayramicli@marmara.edu.tr	+902166254545
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Pathology

Handan Kaya, MD	Head of Breast Pathology Dept.	hkaya@marmara.edu.tr	+902166254545
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Medical Oncology

Fulden Yumuk, MD	Head of Medical Oncology Dept.	fuldenyumuk@yahoo.com	+902166254545
Nalan Babacan, MD	Associate Professor	nalanbabacan@gmail.com	+905056228111

Radiotherapy

Beste Melek Atasoy, MD	Head of Radiation Oncology Dept.	bmatasoy@yahoo.com	+902166254545
Zerrin Ozgen, MD	Associate Professor	zerrinozgen@gmail.com	+905322553652

How to reach us



Marmara University Hospital Breast Center

Fevzi Cakmak mah. Mimar Sinan cad. 41, Ustkaynarca

34899 Pendik, Istanbul,

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From airport:

65 km away from Istanbul International Ataturk Airport and 6 km away from Istanbul International Sabiha Gokcen Airport.

By train:

4 km away from Istanbul Pendik Train Station.

By bus or sub-way/underground:

Subway to the center is under construction. To be completed before the end of 2013. Buses 16KH from Kadikoy reach the center.

By car:

From Motorway O-80 take the route to Pendik. Lead D-100 road and follow signs for Ustkaynarca and then for Marmara Universitesi Pendik Egitim ve Arastirma Hastanesi.

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