



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Athens Medical Center - Athens, Greece

General Information



New breast cancer cases treated per year 200

Breast multidisciplinary team members 13

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

Clinical Director: Christos Markopoulos, MD, MPhil, PhD

The Breast Unit in its present form was established in 2004 in Athens Medical Center - Maroussi, the central Hospital of Athens Medical Corporation, the biggest provider of private health services in Greece. In our breast unit all diagnostic procedures are available: digital mammography with CAD, 3D/4D diagnostic ultrasound with elastography, MRI, FNA and Core biopsy, stereotactic biopsy (mamotome) and vacuum assisted biopsy, stereotactic localization with hook-wire of non-palpable lesions. Our surgical staff is dedicated to 'Breast diseases' performing the complete range of breast cancer surgery including radioisotopic localization of SLN, oncoplastic surgery and breast reconstruction following mastectomy. There is a special unit for chemotherapy administration and our center is equipped with a modern radiotherapy unit. In parallel, our staff is involved in multiple national and international projects of basic and clinical research on breast cancer, as well as in post-graduate education and training. There is also a close collaboration with the Greek breast cancer advocacy groups.

Athens Medical Center

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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** 3
- Mammograms per year** 1500
- 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
- Bone scan tomography

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)** 550
- Dedicated Breast Surgeons** 5
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 10
- Breast Nurse specialists** 0
- 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** 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)
- performed outside the medical center

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
- HER-2/new by IHC, Ki67, p53

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

Lymph-oedema treatment outside

Genetic Counselling

Specialist Providing Genetic Counselling/Risk assessment service:

Dedicated Clinical Geneticist

Medical Oncologist

Breast Surgeon

General Surgeon

Gynaecologist

Breast Surgeon inside, Genetist outside

Genetic Testing available

Surveillance program for high-risk women

Data Management

Database used for clinical information

Data manager available

Contact details

Clinical Director

Christos Markopoulos, MD, MPhil, PhD	Director of the Breast Unit	cmarkop@hol.gr	+302107221413
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Radiology

Vassileios Tataridas, MD	Consultant Breast Radiologist		
Helen Papadopoulou	Consultant Breast Radiologist		
Catherine Kyriakopoulou, MD	Consultant Radiologist - Ultrasound		
Nikolaos Bodozoglou, PhD	Consultant Radiologist - MRI		

Breast Surgery

Christos Markopoulos, MD, MPhil, PhD	Head of the Breast Unit	cmarkop@hol.gr	+302107221413
Zoh Antonopoulou, MD	Senior Registrar		+302106862528

Reconstructive Surgery

Domna Kalomoiris, MD, PhD	Consultant Plastic surgeon		+306944321578
Sotirios Koutsogiorgas	Consultant Plastic Surgeon		

Pathology

Litsa Karagiannis, MD	Consultant Pathologist		+306862694
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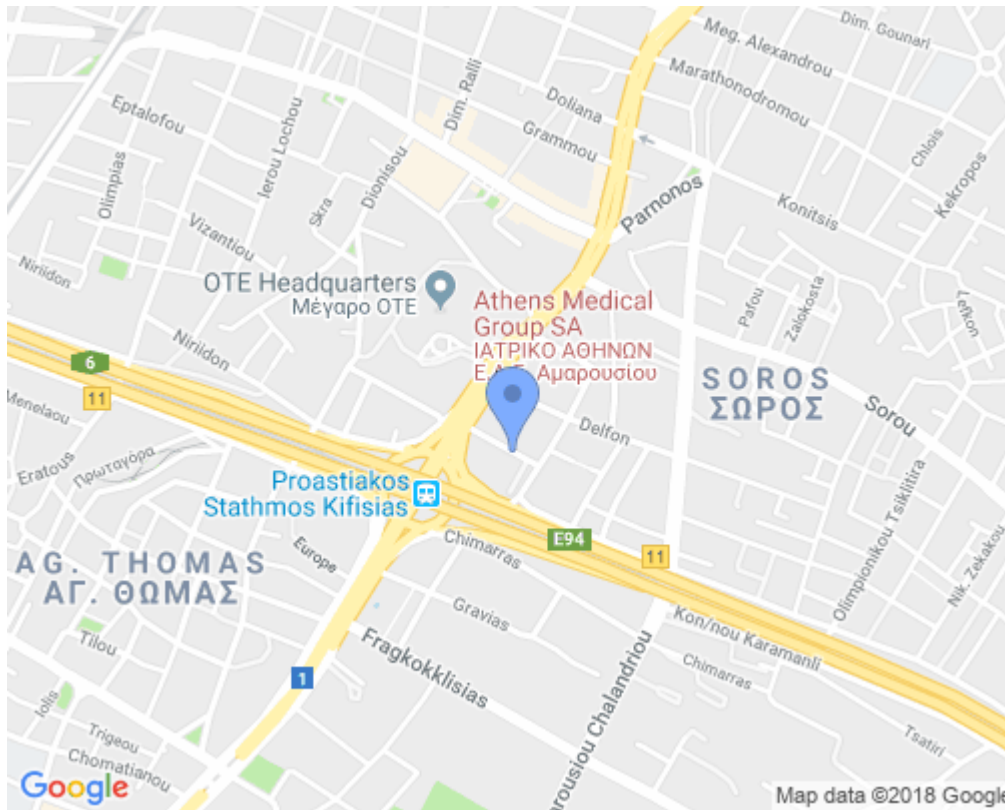
Medical Oncology

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Radiotherapy

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How to reach us



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From airport:

15 min driving from Attiki odos, exit Kifisias.

By car:

20 min by taxi from Athens center.

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