



BREAST CENTRES NETWORK

Synergy among Breast Units

Prolipsis Breast Unit - Athens, Greece

General Information



New breast cancer cases treated per year 160

Breast multidisciplinary team members 12

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

Clinical Director: Ioannis FYSSAS, MD, PhD

The breast unit 'Prolipsis' was established in 1993 and its scientific staff consists of: 3 breast surgeons, 2 plastic surgeons, 1 gynecologist, 2 medical oncologists, 1 nuclear medical doctor, 3 radiologists, 2 pathologists, 1 cytologist, 1 microbiologist, 1 dietician, 1 breast nurse. All diagnostic procedures are provided including fine needle aspiration, core biopsy, stereotactic localization, sentinel node radioisotopic localization etc. An affiliation exists with Evgenidion Hospital of Athens University where all operations are performed. We examine about 6500 patients yearly and about 160 of them are new breast cancer patients. Once a week, at the tumor board where 2 radiotherapists also participate among all other staff members, we discuss all new cases together with the old ones that present new events. The board is open to other surgeons for consultation for their patients. We have a database for all patients. Tumor tissues, properly prepared, are deeply frozen (-80°C), ready for testing new concepts. We have published some of our works and participated in local, national and international clinical trials. We are always interested in collaborating with other Breast Units.

Prolipsis Breast Unit

88A Michalakopoulou str
11528 Athens,

Phone: +302107483110

Fax: +302107483189

E-mail: prolipsismed@gmail.com

Web-site: www.prolipsismed.gr

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** 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)
- 3D Tomosynthesis

Available work-up imaging equipment

- Computer Tomography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- PET/CT scan
- gamma Camera scanner

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)** 235
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 0
- 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** 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
- ki 67, 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)

ABC (Active Breathing Coordinator)

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

Clinical Geneticist

Genetic Testing available

Surveillance program for high-risk women

Data Management

Database used for clinical information

Data manager available

Contact details

Clinical Director

Ioannis FYSSAS, MD, PhD	Clinical Director / Breast Surgeon	jpfyssas@gmail.com	+302107483110
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Radiology

Michael Kousaris, MD	Head of Radiology Dpt.	ultrabr@yahoo.gr	+306936637190
Panayiota Hadjilira, MD	Staff Member of Radiology Dpt.	ibogl@tee.gr	+306972248229
Athina Panou, MD	Staff Radiologist	afina62@yahoo.com	+306973889979

Breast Surgery

Ioannis Fyssas, MD, PhD	Breast Surgery Director	jpfyssas@gmail.com	+306944523132
Anastasia Apostolopoulou, MD	Staff Member of Breast Surgery Dpt.	photos602004@yahoo.co.uk	+306937155666
Anastasios Tsimbanis, MD	Staff Member of Breast Surgery Dpt.	prolipisi@hol.gr	+306974497030

Reconstructive Surgery

Dimitrios Antonopoulos, MD	Private Plastic Surgeon	info@dimitriosantonopoulos.com	+306944539909
Stavros Paraskevopoulos, MD	Private Breast Reconstructive Surgeon	stavrosparaskevopoulos@gmail.com	+306945302001

Pathology

Dimitrios Vlachodimitropoulos, MD, PhD	Staff Member of Pathology Dpt.	dvlacho@med.uoa.gr	+306945805662
Akrivi Pantazopoulou, MD	Staff Member of Pathology Dpt. HBDiagnosis	info@hbdiagnosis.gr	+306836864615

Medical Oncology

Savvas Papadouris, MD	Staff Oncologist	savpapadou@hotmail.com	+306945709783
Aikaterini Kotsori, MD	Staff Medical Oncologist	katerina.kotsori@gmail.com	+306936680900

Radiotherapy

Evangelos Maragoudakis, MD	Staff Radiotherapist	vagmar@maravan.gr	+306932387041
Gregorios Georgakopoulos, MD	Staff Radiotherapist	greggeo@otenet.gr	+306977699392

How to reach us



Prolipsis Breast Unit

88A Michalakopoulou str

11528 Athens,

Phone: +302107483110

Fax: +302107483189

E-mail: prolipsismed@gmail.com

Web-site: www.prolipsismed.gr

From airport:

Metro line 2, station 'Megaro Mousikis'.

By bus or sub-way/underground:

Metro line 2, station 'Megaro Mousikis'.

Bus 622, 550, A5, B5.

Trolley 3, 8.

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