

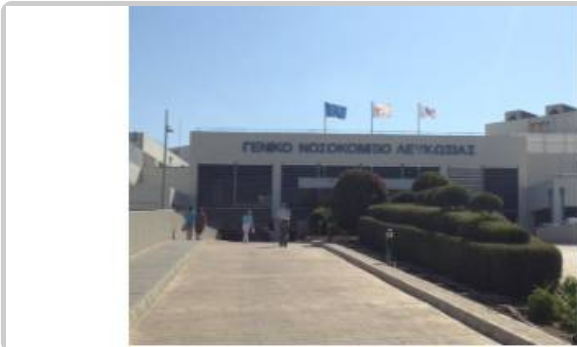


BREAST CENTRES NETWORK

Synergy among Breast Units

★ Nicosia General Hospital/Bank of Cyprus Oncology Centre - Nicosia, Cyprus

General Information



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

Breast multidisciplinary team members **16**

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

Clinical Director: **Yiola Marcou, FRCR, MRCP**

The Breast unit was set up 4 years ago in order to provide a major clinical service. This unit is the largest in Cyprus with around 200 new breast cancer referrals per year. Most patients are directly referred by the screening program that are committed to the General Hospital of Nicosia. Patients are treated in multi-disciplinary clinical teams working to common clinical guidelines and protocols, new treatments and prevention of breast cancer. The aim of the Unit is to offer early diagnosis, high quality of treatment for all stages of breast cancer. A range of care services are provided for both benign and malignant disease, including screening, surgery, radiotherapy, chemotherapy, reconstruction and follow up. Our multi-disciplinary team consists of consultant surgeons, plastic surgeons, radiologists, pathologist, oncologists and nurses. We provide breast excisional, core and stereotactic excisional biopsy, sentinel node biopsy, wide local excision, segmental and total mastectomy, breast reconstruction with tissue expander, implants, and autologous tissues. At the oncology centre there are facilities for in-patient and out-patient chemotherapy, and radiotherapy.

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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** 20000
- 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)** 184
- Dedicated Breast Surgeons** 2
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 6
- Breast Nurse specialists** 3
- 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 _____ 3

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 _____ 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

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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|--------------------------|--------------------|--|--------------|
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Radiology

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| Stavros Fanis, MD | Consultant Radiologist | | |

Breast Surgery

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| Anneza Yiallourou, MD, PhD | Consultant Breast Surgeon, Lecturer in Surgery | yiallourou.anneza@ucy.ac.cy | |
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Reconstructive Surgery

| | | | |
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| Chrysostomos Yiallourous, MD | Head of Plastic and Reconstructive Surgery Department | | +35799713680 |
| Andreas Vassiliou, MD | Consultant Surgeon | | |
| Phanos Michail, MD | Consultant Surgeon | | |

Pathology

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|--------------------------|-----------------------------|--|---------------|
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| George Georgiou, MD, PhD | Consultant Histopathologist | ggeorgemd@gmail.com | |

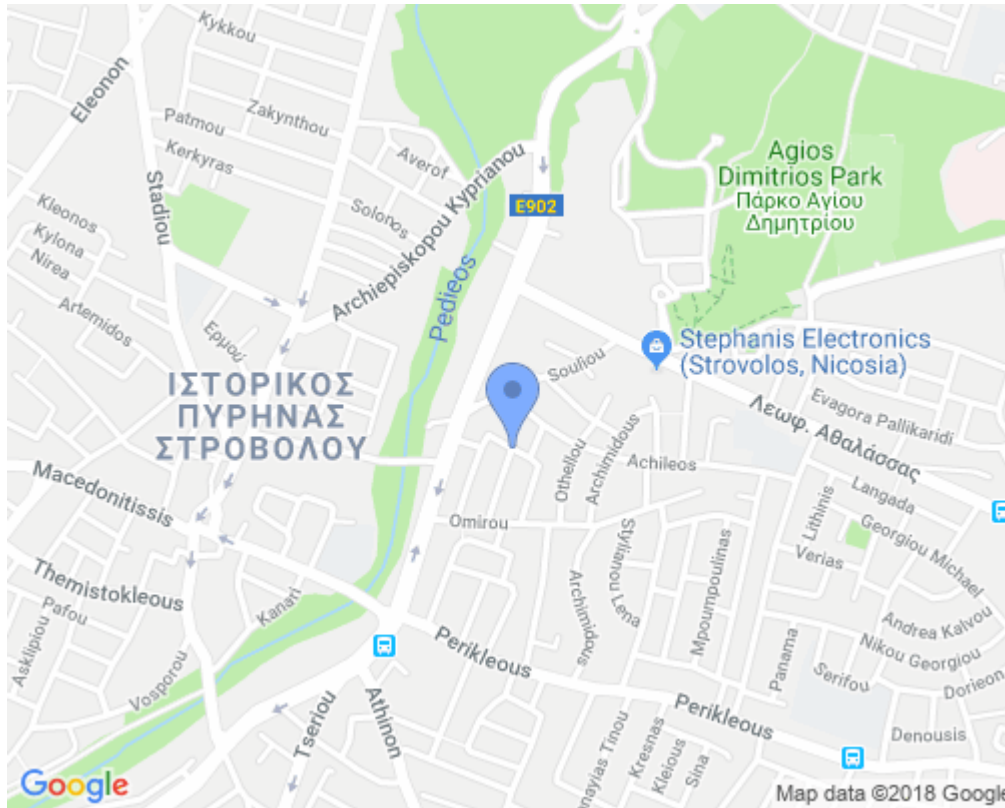
Medical Oncology

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Radiotherapy

| | | | |
|-------------------------|---------------------------|--|--|
| Maria Daniel, MD, PhD | Head of Radiotherapy Dpt. | maria.daniel@bococ.org.cy | |
| Panayiotis Papadopoulos | Consultant Radiotherapist | | |

How to reach us



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From airport:

Fly to Larnaca airport then use public transport to go to the capital where the hospitals are.

By bus or sub-way/underground:

By bus to Nicosia and from central bus station to Nicosia General hospital.

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