



BREAST CENTRES NETWORK

Synergy among Breast Units

Alexandria University Hospital - Alexandria, Egypt

General Information



New breast cancer cases treated per year **315**

Breast multidisciplinary team members **27**

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

Clinical Director: **Ahmed Tarek Fouad Awad, PhD**

Our unit is a free, specialized, comprehensive centre for diagnosis and treatment of breast diseases. Our unit provides all services to the patients for free. All breast diseases management and all types of breast cancer therapies, all types of reconstructions post mastectomy, oncoplastic surgeries, all options for diagnosis and pathological and radiological management are available.

Alexandria University Hospital

Shamblyoun str.

002 Alexandria , Egypt,

Phone: +201277948849

Fax:

E-mail: drahmedbasha1@gmail.com

Web-site: <http://www.med.alexu.edu.eg/soncology>

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** 4
- Mammograms per year** 1800
- 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)** 543
- Dedicated Breast Surgeons** 9
- Surgeons with more than 50 surgeries per year** 8
- Breast Surgery beds** 40
- 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** 4
- 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** 7
- 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

Ahmed Tarek Fouad Awad, PhD Head of the Departement atfawad@yahoo.com +201223952617

Radiology

Hebatallah Hassan, MD Consultant hebahassan13@gmail.com +201001010036

Breast Surgery

Ahmed Tarek Fouad, PhD Head of Surgical Oncology Department atfawad@yahoo.com +201223952617

Galal Aboelnagah, PhD +201223900201

Tarek Elfayoumi, PhD +201227435762

Hytham Fayed, PhD +201225005995

Ahmed Abdellatif, PhD +201227978017

Mahmoud Elhoseini, PhD +201224567862

Mohamed Assal, MS +201225264464

Ahmed Basha, FRCS, MS drahmedbasha1@gmail.com +201277948849

Reconstructive Surgery

Hassan Kholosy, PhD +201223485993

Naser Ghozlan, PhD +201223256263

Pathology

Mona Abdelhadi

Basma Elsbaa +201227574826

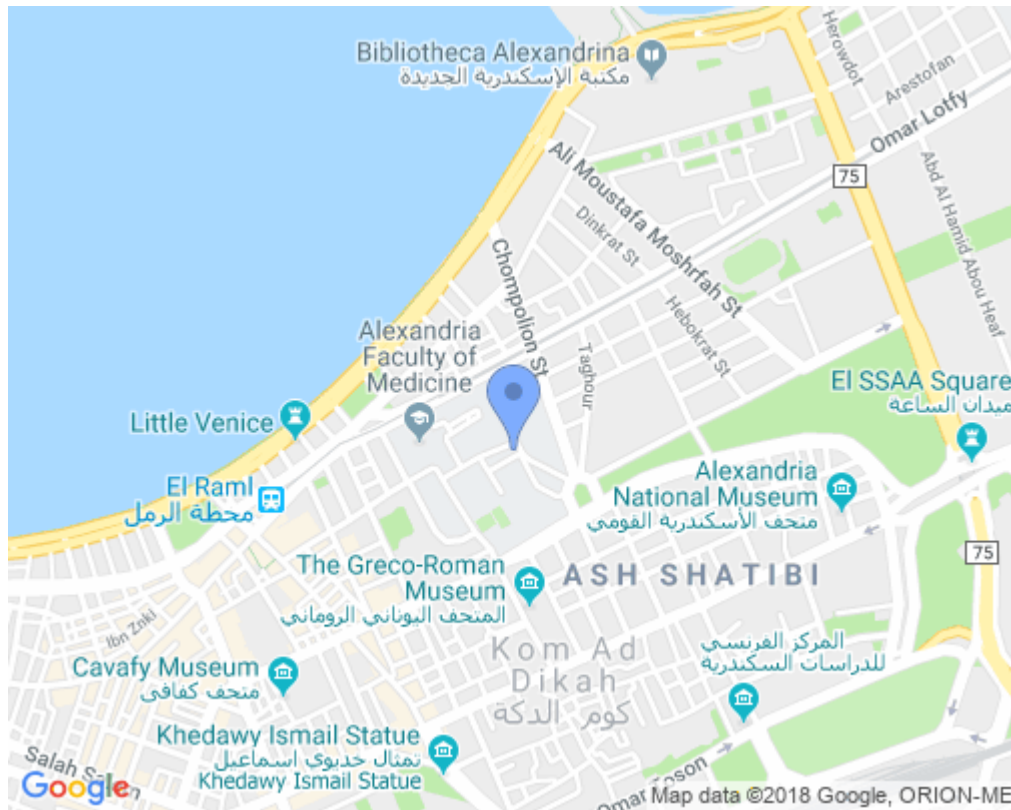
Medical Oncology

Gamal Elhoseny, MD Professor of Medical Oncology +201221160552

Radiotherapy

Azza Darweesh, MD Assistant Professor of Radiotherapy +201282794407

How to reach us



Alexandria University Hospital

Shamblyoun str.

002 Alexandria , Egypt,

Phone: +201277948849

Fax:

E-mail: drahmedbasha1@gmail.com

Web-site: <http://www.med.alexu.edu.eg/soncology>

From airport:

Egypt Borg Elarab Airport.

By train:

From Cairo to Alexandria, Elmahata Station.

By car:

From Borg Elarab Airport through Elmehwar Road to Alexandria, Elraml Station, Alex Main University Hospital.

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