



BREAST CENTRES NETWORK

Synergy among Breast Units

Medical Research Institute Hospital - Alexandria, Egypt

General Information



New breast cancer cases treated per year

1200

Breast multidisciplinarity team members

34

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

Clinical Director: Yasser Ahmed, PhD

Our breast unit is a specialized institution for medical research and care to all breast cancer problems. Since its establishment, the objectives of our breast unit have been: identification of clinical and basic research in different fields of breast cancer; diagnosis and treatment of special cases including performance of difficult major operations; training of physicians in modern and innovative methods of diagnosis and treatment; and introducing new techniques such as reconstruction. Staff and students promote teamwork, commitment and professionalism.

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Medical Research Institute Hospital				
Social Workers Nutritional Counselling Survivorship Groups Sexual Health Counselling Supportive and Palliative Care Integrative Medicine				
Available breast tissue sampling equipment Stereotactic Biopsy (Mammography guided) Core Biopsy (Tru-cut) Vacuum assisted biopsy Iltrasound-guided biopsy Fine-needle aspiration biopsy (FNAB, cytology) Core Biopsy Vacuum assisted biopsy MRI-guided biopsy Core Biopsy Core Biopsy Vacuum assisted biopsy				
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Outpatient surgery

✓ Clinical Research

✓ Intra-operative evaluation of sentinel node

✓ Reconstruction performed by Breast Surgeons

Radio-tracer technique

☐ Blue dye + Radio-tracer

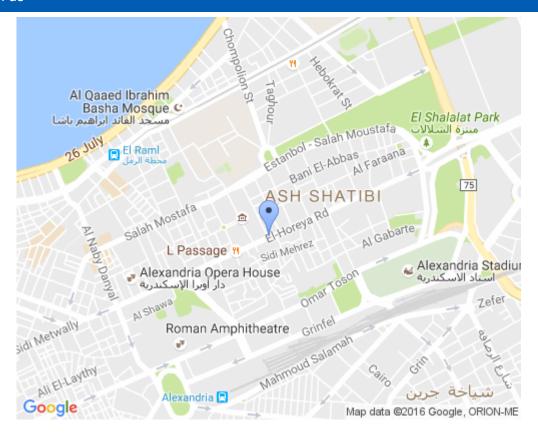
Axillary sampling

Reconstructive/Plastic surgeons	1	Type of breast reconstructive surgery available
☑ Immediate Reconstruction available		✓ Remodelling after breast-conserving surgery
		Reconstruction after mastectomy:
		Two-stage reconstruction (tissue expander followed by implant)
		One-stage reconstruction
		\square Autogenous tissue flap
		Latissimus dorsi flap
		☐ Transverse rectus abdominis (TRAM)
		\square Free-flaps (free TRAM, DIEP, SIEA, gluteal, etc.)
		lacksquare Surgery on the contralateral breast for symmetry
		✓ lipofilling
athology		
☑ Dedicated Breast Pathologists	15	Other are all a fault and a second a fault
Available studies	10	Other special studies available
		☑ Fluorescence in-situ Hybridization for HER-2 gene (FISH)
✓ Cytology		Oncotype Dx (21-gene assay)
✓ Haematoxylin & eosin section (H&E)✓ Surgical specimen		MammaPrint (70-gene microarray)
Sentinel node		Prediction Analysis of Microarray 50-gene set (PAM 50)
		$oldsymbol{ec{ec{v}}}$ clinical application of angiogenesis
Core biopsy		Parameters included in the final pathology report
Frozen section (FS) Surgical specimen		✓ Pathology stage (pT and pN)
Sentinel node		☑ Tumour size (invasive component in mm)
		✓ Histologic type
✓ Immunohistochemistry stain (IHC)✓ Estrogen receptors		☑ Tumor grade
✓ Progesterone receptors		✓ ER/PR receptor status
✓ HER-2		✓ HER-2/neu receptor status
Ki-67		Peritumoural/Lymphovascular invasion
L N-07		Margin status
edical Oncology		
oaloal choology		
☑ Dedicated Breast Medical Oncologists	8	
✓ Outpatient systemic therapy		

Radiotherapy	
✓ Dedicated Radiation Oncologists	Available techniques after breast-conserving surgery
Clinical Research	(including experimental)
	☑ Whole-Breast RT (WBRT)
	☑ Partial breast irradiation (PBI):
	☑ External beam PBI
	\square Interstitial brachytherapy
	\square Targeted brachytherapy (MammoSite, SAVI applicator, other devices)
	☐ Intra-operative RT (IORT)
Multidisciplinary Meeting (MDM) / Tumour Board	(ТВ)
Regular MDM/TB for case management discussion	Specialties/services participating in MDM/TB
☐ Twice a week	Radiology
□ Weekly	✓ Breast Surgery
Every two weeks	✓ Reconstructive/Plastic Surgery
✓ Other Schedule	✓ Pathology
	✓ Medical Oncology
Cases discussed at MDM/TB	Radiotherapy
✓ Preoperative cases	✓ Genetic Counselling
Postoperative cases	Breast Nurse Service
	Psycho-oncology
Further Services and Facilities	
Nuclear Medicine	Genetic Counselling
Lymphoscintigraphy	Specialist Providing Genetic Counselling/Risk assessment
☑ Bone scan	service: Dedicated Clinical Geneticist
☐ Positron Emission Tomography (PET)	✓ Dedicated Clinical Geneticist ☐ Medical Oncologist
☐ PET/CT scan	
Rehabilitation	Breast Surgeon
	General Surgeon
Prosthesis service	Gynaecologist
Physiotherapy	Genetic Testing available
Lymph-oedema treatment	Surveillance program for high-risk women
	Data Management
	lacksquare Database used for clinical information
	☑ Data manager available

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From airport:

From Cairo airport to Alexandria by car (about 2 hours) on high desert way.

By train:

Direct express train from Cairo to Alexandria.

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