

مركز مصر للأشعة  
MISR RADIOLOGY  
CENTER



It is our pleasure



to announce the opening of Misr Radiology  
Center in  
**New Cairo.**



Misr Radiology Center has always been at the forefront of the of Radiodiagnosis and Interventional Radiology Market in Egypt, and has always been kept on introducing advanced techniques and state of the art technology from around the world to Egypt.

#### Historical Background:

Misr Radiology Center was established in 1989 and is staffed by a renowned group of Professors of Radiology at the Faculty of Medicine, Ain Shams University, Armed Forces and other distinguished universities across Egypt.

MRC has been providing unprecedented medical services for more than 30 years and is the epitome of the best experts in the field of radiology and the latest technology in the field of radiodiagnosis.

#### Our Mission:

To provide the highest standards of medical service in the field of radiodiagnosis, nuclear medicine and interventional radiology to patients through scientific excellence, advanced medical equipment and highest quality of medical consumables.

In pursuing this mission, our newest branch is offering the most advanced machines **that are being introduced for the first time in Africa and the Middle East.**



## NUCLEAR IMAGING DEPARTMENT

### » 3T PET/MR

#### For the first time in Africa and Middle East

PET/MRI combines the metabolic and molecular information of PET with excellent anatomic details of MRI systems. It allows excellent visualization, quantification, and translational of studies using complex MRI multiparametric protocols combined to PET exam.

By doing so, it can more accurately detect and characterize a variety of diseases, including cancer, cardiovascular, and neurological diseases.

PET/MR also significantly reduces radiation burden compared to PET/CT, due to absence of x-ray exposure from CT.



### » PET/CT

Misr Radiology Center is now equipped with a premium PET/CT machine with Lutetium-based scintillator (LBS) combined with a powerful standalone 128-multislice diagnostic CT, that is capable of reducing CT dose by up to 82 percent at the same image quality using ASiR-V.

MRC has been dedicated to elevate PET/CT reporting quality, to achieve more accurate assessment of patient's initial stage and post-treatment efficacy.



### To ensure better patients' assessment,

MRC was the first site in Egypt to offer <sup>68</sup>Gallium tracer PET/CT exams to assess tumors that are not detected accurately using normal FDG-PET/CT, as;

#### <sup>68</sup>Gallium-PSMA - PET/CT

Which is very sensitive and specific to prostate cancer and its metastasis all over the body and is recommended by the European association of urology guidelines.

#### <sup>68</sup>Gallium-DOTATATE - PET/CT

Which is highly sensitive for neuroendocrine tumors and is the replacement of the old exam <sup>111</sup>Indium-pentetreotide (OctreoScan-Gamma Camera) and is recommended by the NCCN guidelines.

### » THERANOSTICS

MRC proudly announces this new breakthrough technology, being the first in Egypt to introduce it, which is therapeutic radioactive doses of <sup>177</sup>Lutetium based on **peptide receptor radionuclide therapy (PRRT)** concept. It is used in:

#### <sup>177</sup>Lutetium- DOTATATE

Which is indicated by the guidelines in treatment of somatostatin receptor-positive gastro-entero-pancreatic **neuroendocrine tumors**

Where the results of NETTER-1 trial showed that <sup>177</sup>Lu-DOTATATE had a 79% reduction in risk of progression with an estimated progression free survival of 40 months, compared to 8.4 months for high-dose (60mg) octreotide therapy.

#### <sup>177</sup>Lutetium- PSMA

Which is used in men with metastatic castration resistant **prostate cancer** who have progressed after standard therapies.

LuPSMA phase II trial showed high response rates with PSA decline  $\geq 50\%$  in 64% of the patients with low toxicity and improved health-related quality of life.

## INTERVENTIONAL RADIOLOGY DEPARTMENT

### » Angio CT:

#### Misr Radiology Center is proud to offer the first Angio CT machine in Egypt, Africa and the Middle East:

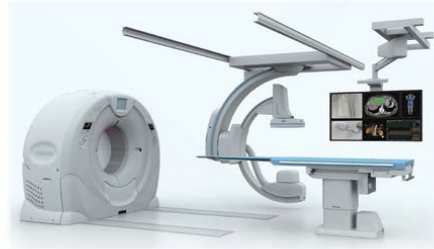
The leading Misr Radiology Center Interventional Radiology Unit enters a new era of combined imaging guidance with the most advanced 4D hybrid CT/Angiography machine, to perform numerous comprehensive diagnostic and therapeutic Interventional

Radiology procedures with a highly accurate combined imaging guidance that offers excellent anatomical and functional information with a minimal patient X-ray exposure while maintaining optimum image quality. MRC's IR Unit offers the following interventional procedures:

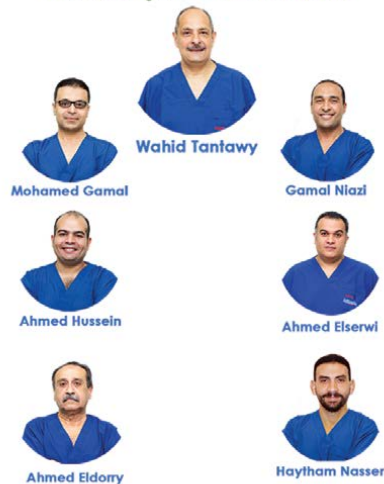
1. US and CT guided biopsies from lung, bone, soft tissue lesions; as well as all parts of the body

2. Assessment and treatment of the following:

- Thermal ablation of liver, lung, bone and renal tumors including RF and microwave ablation.
- RF ablation of benign thyroid nodules.
- Transarterial chemoembolization of hepatocellular carcinoma.
- Transarterial radioembolization of hepatocellular carcinoma.
- Percutaneous biliary drainages and stenting.
- Uterine artery embolization for uterine fibroids.
- Prostatic artery embolization for benign prostatic hyperplasia.
- Varicocele embolization.
- TIPS for Budd Chiari Syndrome.
- Splenic artery embolization for hypersplenism.
- Emergency angioembolization for GIT and genitourinary bleeding.
- Bronchial artery embolization for hemoptysis.
- Percutaneous nephrostomy and Double J stenting.
- Vertebroplasty and cementoplasty for bone tumors.



### وحدة الأشعة التداخلية Interventional Radiology Unit The Leading Unit Enters A New Era



## WOMEN'S IMAGING DEPARTMENT



### » DIGITAL 4D MAMMOGRAPHY DIGITAL CONTRAST ENHANCED MAMMOGRAPHY

New Cairo Branch is equipped with the most sensitive digital mammography with tomosynthesis, 3D reconstruction, as well as contrast enhanced spectral mammography.

It can detect minor lesions and fine micro-calcifications.



## » 3D/4D ULTRASOUND

Recently MRC acquired the most advanced ultrasound machines with the unique Elastography technology, which assess the compressibility of breast lesions helping in differentiating benign and malignant lesions. In addition, guided biopsies (FNAC and core biopsies) are easily performed by the help of special adaptors in two dimensions simultaneously.

MRC provides all Ultrasound services under one roof.

Other generic advanced procedures include Doppler, Echocardiography, Musculoskeletal Ultrasound, and Ultrasound Elastography.



## » DEXA

High end precision DEXA machines provide precise and accurate data for comprehensive body composition analysis that includes bones, muscles and fat.

The measurements are fast, easy, precise and straight forward.

The data provides analysis for total body as well as regional sections such as trunk, arms, thighs and pelvic regions. Additionally, DEXA machines perform comprehensive bone density evaluation with precise risk calculation.



## MRI DEPARTMENT

### » MRI 1.5T



### » MRI 3T

The MRI department at MRC offers High-End Tailored Multiparametric MR Techniques to solve difficult or advanced clinical problems in all specialties. To mention a few:

- **Neuro**
  - Multiparametric MR for brain tumors
  - High end MR epilepsy protocol
  - High end multiple sclerosis protocol
  - High end stroke protocol
  - High end dementia/neuro degenerative protocol
- **Head & Neck**
  - Multiparametric head & neck tumors
- **Body**
  - Multiparametric prostate
  - Rectal cancer staging
  - High end pancreatic protocol/liver protocol
  - MR neurography
  - MR enterography
  - Pelvic floor dysfunction
- **MSK**
  - Direct MR arthrography
  - MR cartiogram
  - Dynamic (Kinematic) musculoskeletal MR exams
- **Breast & Female Pelvis**
- **Cardiac**
- **Pediatric**



## X-RAY DEPARTMENT

### » X-RAY DIGITAL RADIOGRAPHY WITH EXTRA-LONG DETECTOR (WHOLE SPINE & LOWER LIMBS)

MRC is offering the latest X-ray technology at its newest branch that enables the measurement of whole spine, dynamic spine imaging, scoliotic angles, alongside other specialty procedures conducted by our experienced staff of the XRAY department:

- Barium Enema
- Barium Swallow or Barium meal
- Barium meal follow through
- Cystogram
- Hysterosalpingography
- IVP or IVU (Excretory urography)
- Fistulography
- Sialography



## CT DEPARTMENT

Misr Radiology Center is proud to offer latest high quality cardiac radiological imaging techniques through state-of-the-art PET/CT 128 Hybrid MDCT machine offering ideal resolution for all cardiac and coronary examinations, in addition to all other diagnostic procedures.

PET/CT 128 CT hybrid imaging system provides non-invasive, specific and sensitive evaluation of the whole body including:

- Tumor volume and burden assessment
- RECIST criteria follow up for tumor necrosis and treatment response
- Emphysema evaluation
- Virtual CT examination (virtual bronchoscopy - virtual gastroscopy and virtual colonoscopy)
- Pre and post-transplant CT protocols
- Perfusion evaluation for brain, lung and other body organs
- Arterial and venous CT angiography of both upper and lower limb

In addition to all dedicated cardiovascular examinations including:

- Low dose non-invasive coronary CT angiography
- Low dose congenital CT imaging
- Post coronary stent (PCI) assessment and follow up
- Post CABG assessment and bypass graft vessels follow up
- Preoperative assessment of cardiac valves
- Cardiac functional analysis
- Coronary calcium assessment
- One step exam "triple rule out/chest pain examination" (to rule out all causes of chest pain including pulmonary embolism, dissection & coronary artery diseases)





## Branches:

### New Cairo Branch :

Off 90 St., by MRC Square, Between Air Force Specialized Hospital and Lake View Compound

+201228425070

+228124280/1/2

### Heliopolis Branch (1):

8 El Khalifa El Maamoun St., Heliopolis

+201211114091

19773

### Heliopolis Branch (2):

11 El Merghany St., Lotfy & Zalut Building, Beside Heliopolis Club, Heliopolis

+222908667

### Nasr City Branch (Misr Scan):

8 Mostafa El Nahas St., Nasr City

+201002232390

19774

For inquiries and further discussion, please contact us on

[medical\\_info@misrradiologycenter.com](mailto:medical_info@misrradiologycenter.com)

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 [misrradiologycenter](https://www.misrradiologycenter.com)  
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