

## **Reem M Elkady MD, PhD**

Assistant Prof. Radiodiagnosis  
Assiut University, Egypt  
Taibah University, KSA

### **Personal Data:**

**Name:** Reem Mostafa Mohamed Ali El Kady.

**Nationality:** Egyptian.

**Permanent work and Mailing address:** Department of Radiology, Faculty of Medicine Assiut University Hospital, Assiut 71516, Egypt.

#### **Current position:**

\* Assistant Prof. Radiodiagnosis , Department of Radiology and Medical Imaging ,Faculty of Medicine, Taibah University Medina ,KSA

\*Assistant Prof. Radiodiagnosis, Department of Radiology, Faculty of Medicine Assiut University.(sabbatical leave)

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**Language skills:** Arabic >>> Native

English >>> Fluent

German >>> Fair

### **Affiliation :**

\*Assiut University Hospital is one of the biggest University Hospitals in Egypt. It is the core referral center for the whole Upper Egypt that serves about twenty million people. The hospital contains 2027 beds, including 94 ICU beds, and 46 operative theaters in which 240 operations are performed daily. 1478 medical and 6428 paramedical staff serve in this hospital. Nearly 3000 patients visit the outpatient clinics and 1000 are received in the emergency departments daily.  
[http://www.aun.edu.eg/fac\\_med/medicin/Hospital2.htm](http://www.aun.edu.eg/fac_med/medicin/Hospital2.htm)

\*Taibah University is Internationally accredited and comprehensive state university dedicated to excellence in teaching, research and community service. Faculty of medicine adopts advanced medical education and postgraduate studies, and provide outstanding medical service, community service and scientific research in a cooperation with many teaching and clinical hospitals in Medina.

**Education Background:**

- B.Sc. degree in Medicine and Surgery, Assiut University, Feb.2000.
- M.Sc. degree in Radiology, Oct, 2004.
- MD, PhD degree in Radiology, Jan.2013. The title of dissertation “The role of MR diffusion in characterization of hepatic focal lesions”

**Clinical Interest:** Breast Imaging, Women Imaging, MRI ,Liver Imaging, Body Imaging .

**Academic Professional:**

- March 2000-March 2001: Internship at Assiut university hospital, Egypt.
- March 2001 – October 2004: Resident at Radiology Department, Assiut University Hospital, Egypt.
- October 2004- May 2008: Assistant Lecturer of Radiology at Radiology Department, Assiut University Hospital, Egypt.
- May 2008- May 2010: Research Fellow at Hershey Medical Center Penn state University, Pennsylvania, USA.
- May 2010- February 2013: Assistant Lecturer of Radiology at Radiology Department, Assiut University Hospital and Rajhy Liver Hospital, Egypt.
- March 2013- Now: Assistant Prof. of Radiodiagnosis at Radiology Department, Assiut University Hospital, Egypt.
- March 2013- Now: Consultant diagnostic liver/women imaging at Rajhy Liver Hospital and Assiut University hospital, Assiut, Egypt.
- February 2016 -August 2016 Research Fellow at Indiana university school of medicine, Indianapolis, Indiana USA.
- March 2017 –Now: Assistant Prof. of Radiodiagnosis at Radiology and Medical Imaging Department, Taibah University, Medina, KSA.
- March 2017 –Now: Consultant Radiodiagnosis ,Taibah University Clinics ,Medina ,KSA

**Nature of Current & Permanent Position in (Assiut University, Egypt & Taibah University, KSA):**

My current position is assistant professor at Radiology Department, and consultant at University hospital. The duties of this position is teaching of both undergraduate and post-graduate students as well as reporting cases at body imaging and Woman imaging units . And also preparing and attending multidisciplinary team meetings .

**Clinical experience:**

Fourteen years' experience in general diagnostic radiology:

- Plain X ray
- Special techniques (barium studies)
- Abdominal and soft tissue ultrasound
- Renal and lower limb Doppler examination
- Multidetector Computed tomography
- MRI (brain, spine and musculoskeletal).
- US guided percutaneous aspiration/ drainage of abdominal abscess.
- US guided biopsy.

Consultant Women Imaging:

- o Digital mammography, Tomosynthesis
- o Breast US.
- o Breast MRI (dynamic, diffusion).
- o Hysterosalpingography.
- o Pelvic MRI.
- o Transvaginal and Fetal US.

Consultant Hepato-biliary imaging :

- US.
- CT (dynamic, perfusion).
- MRI (conventional sequences, diffusion, perfusion, MRCP).

### **Teaching Experience:**

- Supervising undergraduate teaching 2013/2014.
- Share in teaching and evaluation of undergraduate students 2013-2017.
- Preparation of undergraduate teaching curriculum 2015.
- Share in postgraduate teaching (M.Sc., MD, PhD) students (Liver imaging, Women Imaging courses) 2014-2017.
- Under graduate teaching courses using new teaching methods Manchester curriculum (small group sessions , interactive learning ,skill lab ,CBCL ,flipped class rooms ) 2017 - now .
- Under graduate teaching courses (Radiology ,Patient Centered Consultation, Early clinical Experience) 2017-now

### **Research and Training Fellowships:**

**-Visiting Fellow at Radiology department, Milton S. Hershey Medical Center Penn state University, Pennsylvania, USA**, from May 2008- May 2010.During which I accomplished my MD thesis “The role of MR diffusion in characterization of hepatic focal lesions”, Involved in 8 research projects in abdominal imaging unit, and also involved in clinical rotations at different radiology units as follow:

# Body Imaging and pelvic MRI and US >>>> 5 months.

# Breast Imaging >>> 5 months.

# Musculoskeletal Imaging >>> 3 months.

# Neuro Imaging >>> 3 months.

# Pediatric Imaging >>> 3 months.

# Chest Imaging >>> 2 months.

**- Visiting fellow at Women Imaging Center Michigan State University ,Lansing Michigan USA** from September 2014 to January 2015:

- Screening and diagnostic Mammography.
- Breast US.
- MRI (dynamic, diffusion).
- Interventional diagnostic Procedures (US guided aspiration/core biopsy, Stereotactic biopsy).

**- Visiting fellow at Indiana University School of Medicine** from February 2016 -August 2016 : Advanced MRI techniques .

## **Conferences and training courses:**

### **Radiology Meetings:**

- Scientific Society of Radiology Meeting, Assiut, Egypt 20-22 ndDec.2005.
- Scientific Society of Radiology Meeting, Assiut, Egypt 6-7thDec.2006.
- Annual Meeting of Egyptian Society of Imaging and Women's health care 20-21st Dec.2006.
- Breast Imaging workshop, Egyptian Society of Imaging and Women's health care 16-17 Dec.2006.
- The 95thAnnual meeting of RSNA 2009 Chicago, Illinois, USA.
- Graduate Medical Education Resident/Fellow Research Conference .Penn State University, March 2010.
- American Roentgen Ray Society Meeting (ARRS) May 2010 San Diago,CA.
- American Roentgen Ray Society Meeting (ARRS) 2011 Annual Meeting May 2011; Chicago, Illinois
- Annual meeting of Egyptian Society of Radiology and Nuclear Medicine (ESRNM) Oct 2013 Ein El Sokhna Egypt.
- Egyptian Society of Radiology and Nuclear Medicine (ESRNM) 2-4 April 2015. Radiology challenges and controversies.
- Egyptian Society of Imaging and Women's health care Nov. 2016 .
- European Congress of Radiology ECR March 2017, Vienna Austria
- European Congress of Radiology ECR March 2018, Vienna Austria
- Breast-Gynecological& Immunology cancer conference Cairo 2021

### **Radiology courses:**

- Refreshing course in Musculoskeletal imaging, Scientific Society of Radiology Egypt 2005.
- Uroradiology Refreshing course, Scientific Society of Radiology Egypt 2005.
- Breast Imaging workshop (Mammography reading, challenge cases, US guided biopsy) Egyptian Society of Imaging and Women's health care 2006.
- Abdominal Imaging refreshing courses (Pelvic masses, hepatic focal lesions) RSNA 2009 Chicago, Illinois, USA.
- Breast Tomosynthesis RSNA 2009 Chicago, Illinois, USA.
- MRI guided biopsy Breast lesions RSNA 2009 Chicago, Illinois, USA.
- US guided vacuum assisted biopsy Breast lesions RSNA 2009 Chicago, Illinois, USA.
- Neuro imaging workshop (ESRNM) 2015.

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### **Miscellaneous courses:**

- TOEFL courses.
- Advanced level English courses.
- Use of Technology in Teaching.
- Methods of Student Evaluation.
- Research Team Management.
- Research Ethics.
- Communication skills.
- Effective presentation.
- Conferences Organization.
- ICDL computer courses (7modules).
- Level I, II German language.
- Patient safety program (SCFHS)
- Cardiopulmonary resuscitation ( Saudi Heart Association )
- Board (virtual classrooms ,assignments)
- Black Board (discussion rooms and online exams )
- Electronic questionnaire design
- Ithenticate and Plagiarism
- Preparing scientific manuscript for publication
- Item Author Certificate (SCFHS)
- How to review a manuscript .
- Open book exams.

### **Ongoing Research Work:**

- Diffusion Weighted MRI in diffuse liver disease.
- MRI of TMJ.
- IVIM in grading of hepatic fibrosis.
- Added role of MRI perfusion in characterization of adnexal lesions.
- Role of CT angiography in the evaluation of porto systemic shunts

**Supervision of M.Sc. And PhD thesis:**

- Role of MRI in evaluation of patients with acute pancreatitis.
- High resolution CT and functional correlation in evaluation of interstitial lung disease.
- Added role of MRI perfusion in characterization of adnexal lesions.
- Role of PET CT in staging of Lymphoma.
- Role of CT angiography in the evaluation of porto systemic shunts

## Publications:

- Gehan S. Seifeldein , Elham A. Hassan , Hala M. Imam, Rania Makboul , Naglaa K. Idriss , Marwa A. Gaber and Reem M. Elkady ,Quantitative MDCT and MRI assessment of hepatic steatosis in genotype 4 chronic hepatitis C patients with fibrosis Egyptian Journal of Radiology and Nuclear (2021) 52:210.
- Tareef S Daqqaq , Talal H Almoghthwey, Moustafa E Radwan, Feras I Hkeem , Hasan S Alahmadi , Reem M El Kady. Preoperative imaging assessment of cochlear implant candidates: the integrative role of MDCT and MRI International Journal of Clinical and Experimental Medicine 2021;14(8):2164-2172.
- Reem M. EL Kady, Hosam A. Hassan, Tareef S. Daqqaq , Rania Makboul and Hanan Mosleh Ibrahim, Early CT features of COVID-19 pneumonia, association with patients' age and duration of presenting complaint Egyptian Journal of Radiology and Nuclear Medicine (2021) 52:164.
- Dalia Hasan, Hisham Imam , Hasan Megally, Hoda Makhoulf and Reem Elkady,The qualitative and quantitative high resolution computed tomography in the evaluation of interstitial lung diseases Egyptian Journal of Radiology and Nuclear Medicine (2020) 51:135.
- Mohamed Zidan , Shima Ali Saad, Eman Abo Elhamd , Hosam Eldin Galal1 and Reem Elkady,Role of diffusion-weighted magnetic resonance imaging in assessment of mammographically detected asymmetric densities Egyptian Journal of Radiology and Nuclear Medicine (2020) 51:247.
- Shima H Bakr,Hassan I Megally,Reem M El kady and Wael A Abbas Role of Magnetic Resonance Imaging in Evaluation of Acute Pancreatitis Medical Journal of Cairo University (Med. J. Cairo Univ.) 2018 , 86(5):2473-2482.
- Kumar Sandrasegaran, Enming Cui, Reem M. Elkady Pauley Gasparis, Gitasree Borthakur, Mark Tann, Suthat Liangpunsakul. Can functional parameters from hepatobiliary phase of gadoxetate MRI predict clinical outcomes in patients with cirrhosis?. European Radiology 2018 Volume 28, Issue 10, pp 4215–4224.
- Kumaresan Sandrasegaran, Paul Territo, Reem M. Elkady, Yuning Lin, Pauley Gasparis
- ,Gitasree Borthakur ,Chen Lin . Does intravoxel incoherent motion reliably stage hepatic fibrosis, steatosis, and inflammation? Abdominal Imaging 2017.
- R.M. El Kady, S.H. Bakr, H.I. Megally, W.A. Abbas, E. Abo Elhamd "Diagnostic performance of apparent diffusion coefficient in acute pancreatitis; correlation with revised Atlanta and Japanese severity score" ECR March 2017,Vienna, Austria.
- Soliman M, . Mohammed H, . Abd Elrahman H, Nigm D., Mahmoud A.,Radwan M and El kady R.. Methylated Gene p15 and APC Gene as Biomarkers in Detection of HCC Versus MRI Diffusion in Cirrhotic Patients. Med. J. Cairo Univ. 2015, Vol. 83, No. 2, June: 277-284.
- Tappouni R, El Kady R, Sarwani N, Dykes T. Comparison of the accuracy of diffusion-weighted imaging versus dynamic contrast enhancement magnetic resonance imaging in characterizing focal liver lesions. Journal of computer assisted tomography.2013; 37 (6), 995-1001.
- Hassan A, Elkady R, Moustafa M, Tappouni R. Employment of Diffusion weighted magnetic resonance imaging in characterization of hepatic focal lesions, is it really helpful? ESRNM Oct 2013 Ein El sokhna.



- El Kady R, Choudhary A, Tappouni R. Accuracy of apparent diffusion coefficient value measurement on PACS workstation: A comparative analysis. AJR 2011 Mar; 196(3):W280-4.
- Tappouni R, Elkady R ,Sarwani N ,Dykes T. Comparison of accuracy of MRI with diffusion weighted imaging(DWI) vs. MRI with dynamic contrast enhancement(DCE) in characterizing focal liver .(ARRS) 2011 Chicago, Illinois.
- Tappouni R, El-Kady R, Raman J, Then M, and Sarwani N. Renal neuroectodermal tumor presenting with hematuria. J Radiol Case Rep. 2010; 4(7): 12–20.
- R, Elkady R,Sarwani N. Accuracy of CT abdomen without versus with in the diagnosis of acute appendicitis. (ARRS) May 2010 San Diago,CA.
- Tappouni R, Elkady R, Mahraj R, Jamis-Dow C. Effect of Bismuth Breast Shield on Scan Quality during Chest CT with Z-axis Modulation: Objective and Subjective Assessment .RSNA 2009 Chicago,Illinois,USA.
- Tappouni R, Elkady R,Sarwani N.ROC Analysis of MRI Apparent Diffusion Coefficient (ADC)values of Benign and Malignant Focal Liver Lesions RSNA 2009 Chicago,Illinois,US

