**Dr. Laila Adel Mohsen, MBBCh, MSc, MD**

## Personal Information:

**Current Post:** Consultant and Assistant Professor of Diagnostic Radiology, Radiology Department, Minia University Hospital, Minia, Egypt.

**Date of birth:** 10/3/1977

**Phone number:** 00201014027587

**Email Address:** dr.laila.adel77@gmail.com, Laila.adel@mu.edu.eg

## Professional registration:

**Ministry of Health, Egypt:** 150749, registered as Consultant Radiologist.

**Egyptian Medical Syndicate, Egypt:** 147749.

## Professional Career:

**Diagnostic Neuroradiology, General Diagnostic Radiology, Ultrasound and Doppler studies.**

## Professional Statement:

I have been working in the field of Diagnostic Radiology since 2003, that's almost 16 years of experience. I always try to progress from one achievement to another. After basic training, I aimed to get research experience in the UK and I succeeded to get a funded post in Cambridge, UK. This position, not only gave me a good research experience, but also showed me how well organized the work and patient care in the NHS are. This opportunity also allowed me to focus on neuroradiology, which is my subspecialty and personal preference.

I also added the female and fetal imaging to my work experience.

## Academic Qualifications:

1. **Medical Doctorate degree (MD) of Diagnostic Radiology**, Minia University, Egypt, 27 March 2012.
2. **Master's degree (MSc) of Diagnostic Radiology**, Minia University, Egypt, 23 January 2006.
3. **Bachelor of General Medicine and surgery (MBBCh)**, Minia University, Egypt, December 2001.

## Professional Achievements:

1. **Fellowship of the Royal College of Radiologists (FRCR):** finished part 1 (Summer 2010) and part 2A (Spring 2011). Preparing to finish part 2B.

## Employment History:

- **24th April 2012 – Current:**

- Consultant and Lecturer in the Department of Diagnostic and Therapeutic Radiology, Minia University Hospital, Minia, Egypt.
- Full time job, 40 hours/week, 7 hours a day for 6 days, as morning shifts. On-calls are extra duty.
- The hospital is affiliated to the Faculty of Medicine, Minia University, Minia, Egypt. It comprises 350 beds spread across multiple specialties including in-patient, outpatient, emergency, CCU and ICU as well as a separate 200 beds Maternity hospital branch.
- The department is equipped with a 1.5T MRI machine, two 16-slice MDCT machines, 2 fluoroscopy suites, 5 general radiology machines and 5 ultrasound machines. These machines are divided between the main hospital and the maternity hospital branch. The Radiology staff was expected to cover both hospitals over the week.
- My duties in the Radiology Department were divided between academic role (50%) and clinical role (50%), as follows:

1. Morning shifts: Reporting general X-ray studies, CT and MRI of the different body parts.
2. Supervising younger radiologists, performing and reporting ultrasound and Doppler studies.
3. Supervising younger radiologists, performing and reporting fluoroscopic studies, e.g. Barium swallow, hysterosalpingography (HSG).
4. During on-calls, I was third on-call. So, my duty comes when the first or second on-call doctor needs my opinion in atypical critically ill patients or whenever there is a high flow of emergency cases, for example, during large scale RTA. I should attend the patient within 15-30 minutes, perform the requested study and give a verbal preliminary

report to the MRP (Main Responsible Physician) and then prepare the official report.

5. Academic duties: Teaching postgraduate courses for the young Radiology residents and registrars, for example neuroradiology, pediatric radiology. I also attend their morning duty in ultrasound to evaluate their examination technique. I also teach them the reporting of the different X-ray, fluoroscopy, CT and MRI studies and evaluate their reports. I also share in examining the young radiologists at the end of their Master's degree.
6. During the same time period, I had a part-time job in a private Diagnostic Radiology (Safwa Diagnostic Radiology, Minia) center, working 6 hours a day for 2 – 3 days a week. My duties were basically the same clinical duties as in the hospital, without on-calls.

- **30th August 2011 – 24th April 2012:**

- Registrar and Assistant Lecturer in the Department of Diagnostic and Therapeutic Radiology, Minia University Hospital, Minia, Egypt.
- Full time job, 40 hours/week, 7 hours a day for 6 days, as morning shifts. On-calls are extra duty.
- The hospital is affiliated to the Faculty of Medicine, Minia University, Minia, Egypt. It comprises 350 beds spread across multiple specialties including in-patient, outpatient, emergency, CCU and ICU as well as a separate 200 beds Maternity hospital branch.
- The department is equipped with a 1.5T MRI machine, two 16-slice MDCT machines, 2 fluoroscopy suites, 5 general radiology machines and 5 ultrasound machines. These machines are divided between the main hospital and the maternity hospital branch. The Radiology staff was expected to cover both hospitals over the week.
- <u>My duties in the Radiology Department were divided between clinical role (80%) and academic role (20%), as follows:</u>

1. Morning shifts: Reporting general X-ray studies, CT and MRI of the different body parts.
2. Performing and reporting ultrasound and Doppler studies.
3. Performing and reporting fluoroscopic studies, e.g. Barium swallow, hysterosalpingography (HSG).
4. During on-calls, I was second on-call. So, my duty comes when the first on-call doctor (resident) needs my opinion in atypical critically ill patients or whenever there is a high flow of emergency cases, for example, during large scale RTA. I should attend the patient within 15-30 minutes, perform the requested study and give a verbal preliminary report to the MRP (Main Responsible Physician) and then prepare the official report.
5. Academic duties: Assisting senior consultants in their lecture preparation, preparing sample cases for examinations, preparing presentations and cases for the weekly Departmental meeting.
6. During the same time period, I had a part-time job in a private Diagnostic Radiology (Safwa Diagnostic Radiology, Minia) center, working 6 hours a day for 2 – 3 days a week. My duties were basically the same clinical duties as in the hospital, without on-calls.

- **7th January 2010 – 28th August 2011:**

- Research Associate of Neuro-imaging in University Department of Radiology, Cambridge University, Cambridge, UK, CB2 0QQ.
- This fellowship was funded by the Egyptian Ministry of Higher Education.
- I was performing my MD thesis research under the supervision of Prof. Jonathan H. Gillard, Professor of Neuroradiology and with the help of Dr. Stephen J Price, Clinician Scientist & Hon. Consultant Neurosurgeon at University of Cambridge.
- My thesis was entitled “Advanced MRI techniques in the assessment of

cerebral glioma." It was a necessary part for the fulfillment of the MD degree in Diagnostic Radiology.

- I assisted Dr. Stephen in caring for patients recruited for an NHS funded study titled "The MALTING trial", where he studied the micro-environment of glioblastoma using MR spectroscopy, diffusion and perfusion MRI. I used data from the same patients for my thesis.
- I also shared in another phase 3 international trial titled "The SENTIO study" which was comparing Dotarem contrast agent to Magnevist contrast agent with regards to safety and quality of enhancement in patients with neuro-oncology.
- I assisted in other smaller scale studies under supervision of Prof. Jonathan Gillard.
- I also shared in the preparation of few research studies and conference papers.
- I had no clinical duty at all, as I didn't seek GMC registration.

- **31st May 2006 – 6th January 2010:**

- Registrar and Assistant Lecturer in the Department of Diagnostic and Therapeutic Radiology, Minia University Hospital, Minia, Egypt.
- Full time job, 40 hours/week, 7 hours a day for 6 days, as morning shifts. On-calls are extra duty.
- The hospital is affiliated to the Faculty of Medicine, Minia University, Minia, Egypt. It comprises 350 beds spread across multiple specialties including in-patient, outpatient, emergency, CCU and ICU as well as a separate 200 beds Maternity hospital branch.
- The department is equipped with a 1.5T MRI machine, two 16-slice MDCT machines, 2 fluoroscopy suites, 5 general radiology machines and 5 ultrasound machines. These machines are divided between the main hospital and the maternity hospital branch. The Radiology staff was expected to cover both hospitals over the week.

- My duties in the Radiology Department were divided between clinical role (80%) and academic role (20%), as follows:

1. Morning shifts: Reporting general X-ray studies, CT and MRI of the different body parts.
2. Performing and reporting ultrasound and Doppler studies.
3. Performing and reporting fluoroscopic studies, e.g. Barium swallow, hysterosalpingography (HSG).
4. During on-calls, I was second on-call. So, my duty comes when the first on-call doctor (resident) needs my opinion in atypical critically ill patients or whenever there is a high flow of emergency cases, for example, during large scale RTA. I should attend the patient within 15-30 minutes, perform the requested study and give a verbal preliminary report to the MRP (Main Responsible Physician) and then prepare the official report.
6. Academic duties: Assisting senior consultants in their lecture preparation, preparing sample cases for examinations, preparing presentations and cases for the weekly Departmental meeting.
7. During the same time period, I had a part-time job in a private Diagnostic Radiology (Safwa Diagnostic Radiology, Minia) center, working 6 hours a day for 2 – 3 days a week. My duties were basically the same clinical duties as in the hospital, without on-calls.

- **5th March 2003 – 5th March 2006:**

- Resident in the Department of Diagnostic and Therapeutic Radiology, Minia University Hospital, Minia, Egypt.
- Full time job, 48 hours/week, 8 hours a day for 6 days, as morning shifts. On-calls are extra duty.
- The hospital is affiliated to the Faculty of Medicine, Minia University, Minia, Egypt. At that time, it comprised 350 beds spread across multiple specialties including in-patient, outpatient, emergency, CCU

and ICU.

- The department, at that time, was equipped with a single slice CT machine, 1 fluoroscopy suite, 4 general radiology machines and 3 ultrasound machines.
- My duties in the Radiology Department were basically training as well as performing and reporting X-ray, ultrasound and CT studies under senior supervision, as follows:

1. Morning shifts: Reporting general X-ray studies and CT of the different body parts, under senior supervision.
2. Performing and reporting ultrasound and Doppler studies, under senior supervision for the first year and then under partial supervision for the next 2 years.
3. Performing and reporting fluoroscopic studies, e.g. Barium swallow, hysterosalpingography (HSG), under senior supervision for the first year and then under partial supervision for the next 2 years.
4. During on-calls, I was first on-call, so I have to attend the critically ill patients within 10 - 15 minutes, perform the requested study (usually ultrasound, Doppler, brain CT or abdominal CT) and give a verbal preliminary report to the MRP (Main Responsible Physician) and then call the second and/or third on-call to evaluate my study and make any amendments.
6. During residency, I prepare my MSc thesis entitled “Role of Duplex Ultra-Sound in the Pre-Operative Evaluation of Primary Varicose Veins” as part of the fulfilment of the requirements for the MSc degree in Diagnostic Radiology.

## **Professional Skills:**

I independently perform and report the following studies:

a. General Radiology of the different body parts, e.g. bone and joint

X-rays, cervical, thoracic and lumbar spine X-rays, bone length and whole spine scanogram, chest and abdomen X-rays, etc.

b. Ultrasound of the different body parts, e.g. abdominal ultrasound, KUB, obstetrics and gynecology ultrasound, NT scan, anomaly scan, breast and neck ultrasound, scrotal ultrasound for children and in emergency adult patients (suspected testicular torsion), superficial ultrasound and neonatal cranial ultrasound.
c. Doppler ultrasound studies, e.g. carotid/vertebral Doppler, upper and lower extremities arterial and venous Doppler, varicose veins Doppler study, Renal and hepatic/portal Doppler.
d. Fluoroscopic studies, e.g. HSG, ascending cystourethrography, IVU, and Barium swallow.
e. Mammography.
f. CT of the different body parts, e.g. Brain, head and neck, chest, abdomen and pelvis, spine, extremities, pulmonary angiography, aortic and peripheral angiography.
g. MRI of the brain, head and neck, spine, abdomen and MRCP, pelvis, breast and musculoskeletal (Hip, Knee, Shoulder, ankle).

I perform and report the following studies under supervision:

a. Fluoroscopic studies: Barium Meal and Barium enema.
b. Ultrasound: Ultrasound guided biopsy and FNAC.
c. CT: Coronary angiography.
d. MRI: MRI of the breasts, placenta, wrist and MR arthrography of the shoulder and hip.

I don’t prefer to perform/report the following studies:

a. Barium follow-through, fluoroscopy guided intussusception reduction.
b. Penile Doppler, non-emergency adult scrotal ultrasound.

c. CT guided biopsy.
d. MR arthrography of the wrist.
e. Direct catheter angiography and interventional procedures.

New techniques that I'm planning to learn:

a. Musculoskeletal ultrasound.
b. Dedicated fetal neuroimaging.

## Teaching Experience:

1. 2012 - 2014: I was teaching postgraduate courses for the young Radiology residents and registrars, in Minia University, Minia, Egypt, for example neuroradiology, pediatric radiology, advanced MRI, etc. I also shared in their hospital based training. For example, I attended their morning duty in ultrasound to evaluate their examination technique. I also taught them the reporting of the different X-ray, fluoroscopy, CT and MRI studies and evaluate their reports.
2. I also shared in postgraduate examinations for the young radiologists at the end of their Master's degree, in Minia University, Minia, Egypt.

## Professional Development courses:

1. 3D and 4D ultrasound Course in Obstetrics and Gynecology: Dubai, April 2018.
2. American Heart Association (AHA) Basic Life Support course: Gulf Medical University (2014 and 2016) and University of Sharjah (2018).
3. Fetal Anomaly and Echocardiography scan course: Dubai, November 2015.
4. Medical publishing course: Cambridge University, Center for Applied Medical Statistics (22 Apr 2011).
5. SPSS statistics course: Cambridge University, Center for Applied Medical Statistics (18 & 19 Apr 2011).
6. MR Safety Course (10th May 2010).
7. Basic Resuscitation Course (6th May 2010).
8. Basic Statistics Course: Cambridge University, Center for Applied Medical Statistics (19 & 22 Mar 2010).
9. Good Clinical Practice course (Mar 2010).

## Conferences:

1. Total Radiology, Pan Arab Health Conference, Dubai, UAE, January 2019.
2. European Congress of Radiology, Vienna, Austria, March 2018.
3. Annual Radiology Meeting, Dubai, UAE, November 2017.
4. Breast Imaging Summit, Dubai, UAE, November 2017.
5. European Congress of Radiology, Vienna, Austria, March 2017.
6. Total Radiology, Pan Arab Health Conference, Dubai, UAE, January 2017.
7. Annual Radiology Meeting, Abu Dhabi, UAE, November 2016.
8. Total Radiology, Pan Arab Health Conference, Dubai, UAE, January 2016.
9. Total Radiology, Pan Arab Health Conference, Dubai, UAE, January 2015.
10. International Congress of Radiology (ICR), Dubai, UAE, September 2014.
11. Functional Imaging Conference and workshops, Cairo, Egypt, May 2014.
12. Annual Meeting of Radiology Department, Minia University, Minia, Egypt,

February 2014.

13. Congress of the Egyptian Society of Radiology and Nuclear Medicine, Cairo, Egypt, April 2013.
14. African Radiology Congress, Alexandria, Egypt, April 2012.
15. British Neuro-Oncology Society (BNOS) conference, Cambridge, UK, June/July 2011.
16. Annual Meeting of Radiology Department, Minia University, Minia, Egypt, January 2007.

**Local / hospital based CME seminars:**

1. MRI workshop – "Explore MS and NMOSD beyond the surface" hosted by Roche pharmaceuticals, J W Marriott Marquis, Dubai, UAE, June 2019.
2. PCOS Meeting, Kempinski Hotel, Mall of the Emirates, Dubai, UAE, May 2019.
3. Multidisciplinary surgical approach to pain and its management, Thumbay hospital, Dubai, UAE, May 2017.
4. Medical Critical Care, Thumbay hospital, Dubai, UAE, September 2016.
5. Infection Control Training Program, Thumbay hospital, Dubai, UAE, July 2016.
6. Mother and child Medical Care, Thumbay hospital, Dubai, UAE, March 2016.
7. Recent trends in Healthcare and education, Thumbay hospital (previously GMC hospital), Ajman, UAE, December 2014.
8. Research presentation, Thumbay hospital (previously GMC hospital), Ajman, UAE, December 2014.
9. Recent Trends in Medicine, Thumbay hospital (previously GMC hospital), Ajman, UAE, November 2014.
10. Clinical Society meeting, Thumbay hospital (previously GMC hospital), Ajman, UAE, November 2014.

11. Journal Club meeting, Thumbay hospital (previously GMC hospital), Ajman, UAE, November & September 2014.
12. Infection Control Training workshop, Minia University hospital, Minia, Egypt, January 2007.

**Presenter / Speaker at:**

1. PCOS Meeting, Kempinski Hotel, Mall of the Emirates, Dubai, UAE, May 2019: Polycystic Ovary Syndrome: Imaging Update.
2. European Congress of Radiology, Vienna, Austria, March 2018: Diffusion-weighted imaging in the evaluation of perianal fistula and abscess (e-Poster).
3. European Congress of Radiology, Vienna, Austria, March 2017: 3D and 2D ultrasound-based foetal weight estimation a single center experience (Oral).
4. Medical Critical Care, Thumbay hospital, Dubai, UAE, September 2016: Imaging of Pulmonary Embolism (Oral).
5. Annual Meeting of Radiology Department, Minia University, Minia, Egypt, February 2014: MR Spectroscopy (Oral).
6. Congress of the Egyptian Society of Radiology and Nuclear Medicine, Cairo, Egypt, April 2013: The role of advanced MRI techniques in the assessment of cerebral glioma (Oral).
7. British Neuro-Oncology Society (BNOS) conference, Cambridge, UK, June/July 2011: “Normalized Cerebral Blood Volume in the peri-tumoral region helps identify infiltration” (Poster) and “The effect of corticosteroids on the T2 appearance of Glioblastoma Multiforme” (Poster).

## Peer—reviewed articles for:

1. Journal of Spinal Cord Medicine: Jul 2018, Dec 2017 and Nov 2017.
2. Neuroradiology: Jan 2017, Sep 2016, Nov 2014 and Oct 2014.
3. Cancer Medicine: Oct 2016 and Sep 2016.
4. Circulation: Cardiovascular Imaging: May 2015 and Sep 2014.

## Research and Publications

1. Diffusion-weighted imaging in the evaluation of perianal fistula and abscess. Proceedings of the ECR, March 2018 (e-Poster).
2. Mohsen LA, Amin MF. “3D and 2D ultrasound-based fetal weight estimation: a single center experience.” J Matern Fetal Neonatal Med. 2016 May 26:1-8.
3. Mohsen LA, Amin MF. “3D and 2D ultrasound-based fetal weight estimation: a single center experience.” Proceedings of the ECR, March 2017.
4. Laila Adel Mohsen “Kaposi sarcoma in foot.” Eurorad 2017, Jun 27; URL: http://www.eurorad.org/case.php?id=14640.
5. Nasr M. Osman, Laila Adel M. Samy. “Benign and malignant portal venous thrombosis: Multi-modality imaging evaluation.” The Egyptian Journal of Radiology and Nuclear Medicine 2016 Jun; 47(2): 387-397.
6. Laila Adel Mohsen, Ahmed A. Mohsen, Adel M. Samy. “Isolated Agenesis of Septum Pellucidum”. Eurorad 2016, Mar. 8; URL: http://www.eurorad.org/case.php?id=13413.
7. Price SJ, Young AM, Scotton WJ, Ching J, Mohsen LA, Boonzaier NR, Lupson VC, Griffiths JR, McLean MA, Larkin TJ. “Multimodal MRI can identify perfusion and metabolic changes in the invasive margin of glioblastomas.” J Magn Reson Imaging. 2016 Feb;43(2):487-94.
8. Alaa Wagih, Laila Mohsen, Moustafa M. Rayan, Mo'men M. Hasan, Ashraf H. Al-Sherif. Posterior Reversible Encephalopathy Syndrome (PRES):

Restricted Diffusion does not Necessarily Mean Irreversibility. Pol J Radiol. 2015 Apr 25;80:210-6.

9. Is Mini-Mental Score Examination (MMSE scoring) a new predictor of uncontrolled hypertension? Khaled Sayed, Mohamad Saad, Tamer Taha, Laila Adel, Nashaat A. Fadeel, Mohamad Ibrahiem, Amr Sotouhy. J Clin Hypertens (Greenwich). 2014 May;16(5):348-53.
10. Ahmed S. Issa, MBBCh, Laila A. Mohsen, MD, Adel MS Mohsen, MD. "Tropical Pyo-myositis and septic arthritis". Eurorad 2014, Apr. 16; URL: http://www.eurorad.org/case.php?id=11748
11. Laila A. Mohsen, Ehab A.A. Gawad, Mohamed A. Ibrahiem. CT quantification of emphysema: Is semi-quantitative scoring a reliable enough method? Egypt J Radiol Nucl Med (2014)
12. Khaled S. Mahmoud, Tamer T. Ismail, Mohamad Saad, Laila A. Mohsen, Mohamed A. Ibrahiem, Nashaat A.A. Fadeel, Amr Sotouhy. Values of ambulatory blood pressure monitoring for prediction of cognitive function impairment in elderly hypertensive patients. Egypt Heart J (2014).
13. Mohsen LA, Shi V, Jena R, Gillard JH, Price SJ. Non-Invasive Assessment Of Tumour Microenvironment In Invasive Margins Of Glioblastomas: A Multimodal Imaging Study. Proc. Egyptian Society of Radiology & Nuclear Medicine 2013, Cairo, Egypt.
14. Ehab A. Abd-El Gawad, Ahmed M. Ibraheem, Laila Adel M. Samy, Ahmed M. Atyia, Mahmoud Ragab. Assessment of the distal runoff in patients with long standing diabetes mellitus and lower limb ischemia: MDCTA versus DSA. Egypt J Radiol Nucl Med (2013).
15. Young AMH, Thomas OM, Mohsen LA, Frary AJ, Lupson V, Mclean M, Price SJ. "Characterisation of the metabolic changes at the diffusion tensor defined invasive margins of glioblastoma using magnetic resonance spectroscopy." Scottish medical journal 58(3):E46-E46 · August 2013.
16. Is Mini-Mental Score Examination (MMSE scoring) a new predictor of uncontrolled hypertension? Khaled Sayed, Mohamad Saad, Tamer Taha,

Laila Adel, Nashaat A. Fadeel, Mohamad Ibrahiem, Amr Sotouhy. Proceedings of CardioAlex, June, 2013.

17. Mohsen LA, Shi V, Jena R, Gillard JH, Price SJ. "Diffusion tensor invasive phenotypes can predict progression-free survival in glioblastomas." Br J Neurosurg. 2013 Feb 27.
18. Non invasive assessment of tumor microenvironment in invasive margins of glioblastomas: A multimodal imaging pilot study. Proc RSNA 2012.
19. Non invasive assessment of the invasive microenvironment of glioblastomas: a multi-modal imaging study. Proc. EANO, Marseille, 2012.
20. Normalized Cerebral Blood Volume in the peri-tumoral region helps identify infiltration. Proc BNOS 2011 Cambridge, UK.
21. The effect of corticosteroids on the T2 appearance of Glioblastoma Multiforme. Proc BNOS 2011 Cambridge, UK.
22. Diffusion Tensor Invasive Phenotypes Can predict Time to progression in Glioblastomas. Proc. Intl. Soc. Mag. Reson. Med. 19 (2011).
23. Sadat U, Mohsen LA, Young V, Teng Z, Gillard JH. “MS556 High Resolution MRI-Based Biomechanical Stress Analysis Of Carotid Plaques Can Predict Severity Of White Matter Lesions.” Atherosclerosis Supplements 11(2):221-222. June 2010.
24. Thesis entitled: Advanced MRI techniques in the assessment of cerebral glioma, as a part of the fulfillment of the MD degree in Diagnostic Radiology.
25. Thesis entitled: Role of Duplex Ultra-Sound in the Pre-Operative Evaluation of Primary Varicose Veins, as a part of fulfillment of the MSc degree in Diagnostic Radiology.

## Clinical Trials

1. Clinical Trial: Markers of Aggressive Local Therapy In Newly diagnosed Glioblastomas (MALTING) trial. Co-investigator in this trial in Cambridge, UK during the time from March 01, 2010 to August 01, 2011.
2. Clinical Trial: Safety and Efficacy Evaluation of DOTAREM® in MRI of Central Nervous System (CNS) Lesions (SENTIO). Co-investigator in this trial in Cambridge, UK during the time from September 28, 2010 to January 30, 2012.

## Administration:

1. Member of the Quality and Curriculum Design Committee, Department of Diagnostic and Therapeutic Radiology, Minia University, Egypt: April 2012 – June 2014.

## Quality Improvement:

1. Morbidity and Mortality Meetings in Minia University Hospital, Egypt.
2. Clinical Grand rounds in Minia University Hospital, Egypt.

3. Monthly departmental meeting in Radiology department, Minia University Hospital, Egypt, during April 2012 to June 2014, aiming at improving the quality of radiological studies and reports as well as the efficiency of residents and registrars. We check the feedback from other departments about our department's reports, discuss them and implement changes whenever necessary.

## Professional Organization Membership:

1. Member of the Egyptian Society of Radiology and Nuclear Medicine (ESRNM).
2. Member of the European Society of Radiology (ESR).

## Computer Skills:

ICDL, using: MS word, excel and powerpoint, SPSS, Image J.

## References:


1. Prof. Dr. Jonathan H. Gillard, Professor of Neuro-radiology, Cambridge University, Cambridge, UK, email: jhg21@cam.ac.uk, Phone number: (+44) 1223 336896.
2. Dr. Stephen J. Price, Consultant of neurosurgery, Cambridge University, Cambridge, UK, email: sjp58@cam.ac.uk, Phone number: (+44) 01223 274295, (+44) 07967 024729.
3. Prof. Dr. Osama A. W. Khalil, Professor of Diagnostic Radiology, Minia University, Egypt, email: ascannet@yahoo.com.
4. Prof. Dr. Hosny S. Abdel Ghany, Professor of Diagnostic Radiology and Dean of Faculty of Medicine, Minia University, Egypt, email: hosnysa@hotmail.com, Phone number: (+20) 1005257122
5. Prof. Dr. Ashraf Al-Sherief, Professor & HOD of Diagnostic Radiology department, Minia University, Egypt, email: ashraf5566@hotmail.com, Phone number: (+20) 1141440494
6. Prof. Dr. Mohamad Amin, Professor of Diagnostic Radiology, Minia University, Egypt, email: dr_mohamedamin@hotmail.com.