

# C.V.



**Name** : Yasser Gaber Ali Abdelhafez  
**Address** : Al-Akrad, Al-Fath, Assiut, Egypt.  
 P.O. Box:71715  
**Home Phone** : +2 088 9215871  
**Mobile Phone** : +2 01111100781  
**Work phone** : +2 088 2333342  
**Fax (at work)** : +2 088 2348609  
**Email address** : yga1979@gmail.com  
 yasser.abdelhafez@oncology.au.edu.eg

## Aim

*A graduate-qualified physician (MBBCh) with academic and clinical knowledge, has master and doctoral degree in Nuclear Medicine (MSc & MD), European Board of Nuclear Medicine Fellowship (FEBNM), and professional experience in PET/CT & SPECT/CT, very enthusiastic about my fast-growing specialty and multimodality biomedical imaging, has advanced knowledge in working with computer and internet, seeking a suitable position, where my professional experience, computer and communication skills can be applied and further enhanced.*

## Personal Details

**Nationality and Birth** Egyptian, 30<sup>th</sup> June 1979  
**Marital Status** Single  
**Military Service** Exempt  
**Language Skills** Arabic (*native language*)  
 English (*Institutional TOEFL Score 623, year 2007*)  
 French (*fair knowledge*)  
 Chinese (*poor*).  
**Interests & Hobbies** Computer and Internet  
 Photography  
 Sports (*football, ping pong, pool, running*)  
 Outdoor activities (*walking, movies*)

Reading

## **Education**

- Sept. 1994 – June 1996**      **General Secondary School Certificate (GSSC)**  
*Nasser Secondary School, Assiut, Egypt.*  
*Grade: Excellent (98%); Major: General Sciences*
- Sept.1996 – Sept. 2002**      **Bachelor of Medicine and Surgery (M.B.B.Ch.)**  
*Faculty of Medicine, Assiut University, Egypt.*  
*Grade: Very Good with Honor*
- March 2004 – Sept. 2007**      **Master Degree in Nuclear Medicine (M.Sc.)**  
*Faculty of Medicine, Cairo University, Egypt.*  
*Grade: Very Good.*
- Sept. 2008 – Sept. 2012**      **Doctoral Degree in Nuclear Medicine (M.D.)**  
*Faculty of Medicine, Cairo University, Egypt.*
- October 2012**      **Fellowship of the European Board of Nuclear Medicine (FEBNM)**

## **Work & Research Experience**

**March 2003 – Feb. 2004**

**Intern (House Officer)**

*Assiut University Hospitals and South Egypt Cancer Institute, Assiut University.*

*Rotations in general surgery, general medicine, gynecology & obstetrics, pediatrics and orthopedics (Two-months each).*

**March 2004 - April 2004**

**Nuclear Medicine Resident**

*South Egypt Cancer Institute, Assiut University, Egypt*

**April 2004 – Sep. 2007**

**Nuclear Medicine Residency (Full-time Visitor Resident)**

*Kasr Al-Ainy Center of Radiation Oncology and Nuclear Medicine (NEMROCK), Cairo University, Egypt.*

*At that time, NEMROCK had three dual head SPECT gamma cameras with integrated PACS system. It has on average 200 procedures weekly (diagnostic and therapeutic) with diverse and interesting findings. I came from Assiut University to get training and pursue my M.Sc. degree in nuclear medicine.*

*My duties there included performing, supervising and primarily interpreting different nuclear medicine studies. In addition, teaching my junior colleagues in the department the basics of clinical nuclear medicine and technology.*

*I participated regularly in the weekly departmental scientific meeting, as well as other audit, and regional scientific meetings. My active participation included preparing and presenting lectures for the weekly scientific meetings as well as helping my colleagues with scientific material and computer skills.*

*During my residency, I was partly involved in coordinating a lot of the research work. My role varied from selection of patients, injection of the radiopharmaceutical, supervising the imaging and processing, to initial reporting of the findings. Examples of the research work included:*

- 1- Role of  $^{99m}\text{Tc}$ -HMPAO labeled WBC in orthopedic infections "presented in 8<sup>th</sup> ESNMS conference".*
- 2- Sentinel lymph node detection in N0 head and neck cancers by scintigraphy and gamma probe "presented in 8<sup>th</sup> ESNMS conference"*
- 3-  $^{99m}\text{Tc}$ -DMSA (V) brain SPECT vs. MRI spectroscopy in follow-up of brain tumors.*
- 4- Changes in brain perfusion in patients with connective tissue disorders*
- 5- Role of  $^{99m}\text{Tc}$ -DMSA (V) in evaluation of multiple myeloma patients.*
- 6- Esophageal transit and gastric emptying in patients with CRF.*

*Also, as part of the requirements of M.Sc. degree, I wrote and defended a review article entitled: "**Role of PET/CT in the management of head and neck cancer**" which was evaluated as "Very Good" by the Discussion Committee.*

**Sept. 2006 – Sep. 2008 & April 2011- Present**

**Nuclear Medicine Specialist**

*ALFA Scan Radiology Center.*

*ALFA Scan Radiology Center is the largest and most famous private diagnostic center in Cairo, Egypt. The nuclear medicine unit has 3 gamma cameras & 3 PET/CT machines. My duties there include taking focused history and clinical examination from the patients, supervising sound nuclear medicine procedures and interpreting different studies.*

**Dec. 2008 – Oct. 2010**

**Research Fellow**

*Molecular Imaging Center and Nuclear Medicine Department at Chang Gung Memorial Hospital and University, Taiwan.*

*Chang Gung Hospital series are the largest hospital in Taiwan. That branch has, at that time, three gamma cameras and two PET/CT machines: GE Discovery ST-16 and Siemens Biograph mCT 40 with, on average, 10-15 PET/CT studies were being performed daily.*

*I regularly attended the daily nuclear medicine reading session, weekly journal club and Head and Neck Oncology Group weekly meeting, which is a multi-disciplinary team from surgery, radiotherapy, medical oncology, radiology, dentistry and nuclear medicine departments.*

*I was exposed to various research topics in PET/CT but I actively shared in the following research points:*

- 1- Diagnostic accuracy of post-CCRT PET/CT scan in pharyngeal wall tumors*
- 2- Prognostic value of pre-therapy SUV of the primary tumor and neck lymph nodes in oro/hypopharyngeal cancers*
- 3- Diagnostic accuracy of PET/CT in detecting bone marrow invasion in patients with oral cavity cancer*
- 4- Prognostic role of metabolic tumor volume and total lesion glycolysis in patients with oral cavity cancer*

**Sept. 2007 – Sept. 2012**

**Assistant Lecturer (Tenure Track)**

*South Egypt Cancer Institute Assiut University, Egypt.*

*I got the research fellowship at Chang Gung University in Taiwan*

*I finished my medical doctorate degree (MD). The thesis was titled "Definition of Risk Groups in Oral Cavity Squamous Cell Carcinoma Patients and Prediction of Their Outcomes by Using  $^{18}\text{F}$ -FDG PET/CT".*

**Sept. 2012 – Present**

**Lecturer of Nuclear Medicine (Teaching Faculty)**

*South Egypt Cancer Institute, Assiut University, Egypt.*

*The Nuclear Medicine Unit was established in 2011. I actively shared in every step of starting that unit "planning & specifications, supervising construction, finalizing the logistics, licensure, documentation templates and workflows". One SPECT/CT machine (Siemens SymbiaT) was installed in September 2012. It was the first in Egypt at that time.*

*I am currently the consultant in-charge of that unit. Responsibilities include administration, teaching, and reporting.*

*Current research in the unit includes:*

- 1- SPECT/CT in equivocal bone lesions in bone scan*
- 2- SPECT/CT vs. DW-MRI in solitary osseous lesions*
- 3- In-vivo GFR using DTPA compared to creatinine clearance for patients receiving nephrotoxic medications.*
- 4- Thyroid scintigraphy using pinhole and low-energy all-purpose collimator.*
- 5- Planar dual phase-dual tracer parathyroid scintigraphy compared to dual phase SPECT/CT.*
- 6- Post-therapy iodine scans at 7 & 14 days, is there a significant difference?*
- 7- Added value of SPECT/CT in DTC "diagnostic and post-therapy <sup>131</sup>I whole body scans".*

**March 2015 - April 2015**

**Post-doctoral Research Fellow**

*Molecular Imaging Center and Nuclear Medicine Department at Chang Gung Memorial Hospital and University, Taiwan.*

*I attended the International PET/MR Symposium.*

*I worked on a research project focusing on utilizing texture information from PET images for predicting prognosis in patients with oral cavity squamous cell carcinoma.*

## **Membership**

<b>March 2004 till now</b>	<i>Egyptian Medical Syndicate (EMS).</i>
<b>April 2004 till now</b>	<i>Egyptian Society of Nuclear Medicine Specialists (ESNMS).</i>
<b>Sep. 2010 till now</b>	<i>Society of Molecular Imaging (SMI).</i>
<b>June 2014 till now</b>	<i>European Association of Nuclear Medicine (EANM).</i>
<b>June 2014 till now</b>	<i>Society of Nuclear Medicine and Molecular Imaging (SNMMI).</i>
<b>July 2014 till now</b>	<i>American Society of Nuclear Cardiology (ASNC).</i>

## Publications

### Peer-reviewed journals:

- 1- *Abd El-Hafez YG, Chen CC, Ng SH, Lin CY, Wang HM, Chan SC, et al. Comparison of PET/CT and MRI for the detection of bone marrow invasion in patients with squamous cell carcinoma of the oral cavity. Oral Oncology 47 (2011) 288-295.*
- 2- *Abd El-Hafez YG, Yen TC, Khalil HF, Moustafa HM. Pretreatment SUV of the metastatic neck lymph nodes predicts neck control and survival in patients with stage IV oro/hypopharyngeal cancers. Egyptian Journal of Nuclear Medicine; 4 (2011).*
- 3- *Abd El-Hafez YG et al. Total lesion glycolysis: A possible new prognostic parameter in oral cavity squamous cell carcinoma. Oral Oncology 49 (2013) 261-268.*
- 4- *Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. 18F-FDG PET/CT Outperforms Contrast Enhanced CT in the Diagnosis of Peritoneal Metastases from Ovarian Tumors. Egyptian Journal of Nuclear Medicine; 9 (2015) 15-27.*
- 5- *Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. Role of 18F-FDG PET/CT in the Detection of Ovarian Cancer Recurrence in the Setting of Elevated Tumor Markers. Egyptian Journal of Nuclear Medicine; 9 (2015) 28-41.*
- 6- *Elrasad Sh, Abdelhafez YG, AbdelKareem M, Amin R, El-Refaei Sh. The Value of Postoperative Baseline Serum Thyroglobulin in Prediction of the Outcome of Radioactive Iodine-131 Thyroid Ablation in differentiated thyroid carcinoma. Egyptian Journal of Nuclear Medicine; 9 (2015). In press.*
- 7- *Elrasad Sh, AbdelKareem M, Amin R, Abdelhafez YG, El-Refaei Sh. Thyroid Remnant Ablation of Differentiated Thyroid Carcinoma: a comparison of Ablation success with High and Low Doses of Radioiodine. Egyptian Journal of Nuclear Medicine; 9 (2015). In press.*
- 8- *Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. Diagnostic performance of 18F-FDG PET/Contrast-enhanced CT versus contrast enhanced CT alone for post-treatment surveillance of malignant ovarian tumors. Under reviewing.*
- 9- *Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. Role of 18F-FDG PET/Contrast enhanced CT in the detection of ovarian cancer recurrence in the setting of normal tumor markers. Under submission.*

## **Thesis:**

- 1- Abd El-Hafez YG, Moustafa HM, Khalil HF & Yen TC. *Definition of Risk Groups in Oral Cavity Squamous Cell Carcinoma Patients and Prediction of Their Outcomes by Using 18F-FDG PET/CT*. Doctoral Thesis, Cairo University, Egypt; 2011.

## **Conference abstracts:**

- 1- Abd El-Hafez YG, Sabry SS and Moustafa HM. *Role of PET/CT in the management of head and neck cancer*. The 9<sup>th</sup> Egyptian Society of Nuclear Medicine Specialists (ESNMS) Annual Meeting; March 2008; Hurghada, Egypt. **(Oral)**.
- 2- Abd El-Hafez YG, Lin YC, Ng SH and Yen TC. *Pretreatment [18F] fluorodeoxyglucose positron emission tomography standardized uptake value of neck lymph nodes and nodal staging predict prognosis in patients with stage IV hypopharyngeal cancer*. **World Molecular Imaging Congress; Sept. 2010; Kyoto, Japan. (Poster)**
- 3- Abd El-Hafez YG et al. *Total lesion glycolysis: A possible new prognostic parameter in oral cavity squamous cell carcinoma*. **EANM Milan, Italy; October 2012. (Oral)**.
- 4- Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. *Role of 18F-FDG PET/CT in the detection of ovarian cancer recurrence in the setting of normal tumor markers*. **SNMMI St. Louis, USA; June 2014. (Oral)**.
- 5- Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. *Diagnostic performance of 18F-FDG PET/CT versus contrast enhanced CT in the post- treatment surveillance of malignant ovarian tumors*. **YPC First Place Award, SNMMI St. Louis, USA; June 2014. (Oral)**.
- 6- Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. *18F-FDG PET/CT outperforms contrast enhanced CT in the diagnosis of peritoneal metastases from ovarian tumors*. **SNMMI St. Louis, USA; June 2014. (Oral)**.
- 7- Tawakol A, Abdelhafez YG, Osama AA, Hamada E, El-Refaei Sh. *Role of 18F-FDG PET/CT in the detection of ovarian cancer recurrence in the setting of elevated tumor markers*. **EANM 2014 Gothenburg, Sweden; October 2014. (Oral)**.
- 8- Abdelhafez YG, Hasanin E, Kandeel A, Tawakol A, Khalil H., Liao CT C., Yen TC. *Pre-operative predictors of bone marrow invasion in patients with oral cavity squamous cell carcinoma*. **EANM 2014 Gothenburg, Sweden; October 2014. (Oral)**.
- 9- Roshdy E, Abdelhafez YG, Atta H. *Non-neoplastic variants of the sternum: SPECT/CT findings*. **SNMMI Baltimore, USA; June 2015. (Oral)**.

- 10- Maklad R, Abdelhafez YG, Zidan L. *In-vivo radionuclide GFR correlates poorly with eGFR measured from creatinine based equations. SNMMI Baltimore, USA; June 2015. (Oral).*
- 11- Abdelhafez YG, Khalil M, Diab W. *Comparison of I<sup>131</sup> whole body scans performed one and two weeks post-therapy in patients with differentiated thyroid cancer. SNMMI Baltimore, USA; June 2015. (Oral).*
- 12- Abdelwahab HNM, Abdelhafez YG, Amin RA, Azab AO, El-Refaei Sh. *The value of different 18 F-FDG PET/CT baseline measurements in predicting response to chemoradiotherapy in advanced NSCLC. EANM 2015 Hamburg, Germany; October 2015. (Poster).*
- 13- Elrasad Sh, AbdelKareem M, Amin R, Abdelhafez YG, El-Refaei Sh. *Thyroid remnant ablation of differentiated thyroid carcinoma: a comparison of ablation success with high and low doses of radioiodine (I-131). EANM 2015 Hamburg, Germany; October 2015. (Poster).*

## Awards

- March 2014      *Professor Dr. Hussein Abdel Dayem Award for Best Researcher.*  
Egyptian Society of Nuclear Medicine Specialists (ESNMS) Annual Meeting; 2014 March 5-8; Sharm Elsheikh, Egypt
- June 2014      *Young Professional Committee First Place Award*  
SNMMI St. Louis, USA; June 2014 "Co-author"
- June 2015      *International Best Abstracts Awards*  
Society of Nuclear Medicine & Molecular Imaging Baltimore, USA; June 2015 "Co-author".
- June 2015      *Travel Award from Egyptian Society of Nuclear Medicine Specialists (ESNMS) to attend Society of Nuclear Medicine & Molecular Imaging Baltimore, USA; June 2015.*

## Conferences

- March 2006      *7<sup>th</sup> ESNMS Annual Meeting; 2006 March 14-16; Alexandria, Egypt.*
- March 2007      *8<sup>th</sup> ESNMS Annual Meeting; 2007 March 16-18; Ismailia, Egypt.*
- March 2008      *9<sup>th</sup> ESNMS Annual Meeting; 2008 March 13-15; Hurghada, Egypt.*



(Oral Presenter)

- April 2008**      *3<sup>rd</sup> Annual Conference of South Egypt Cancer Institute, Assiut University; 2008 April 8-11; Hurghada, Egypt*
- October 2009**      *3<sup>rd</sup> International Symposium of Animal Molecular Imaging; 2009 October 10-11; Chang Gung Memorial Hospital, Taiwan.*
- October 2009**      *13<sup>th</sup> International Chang Gung Memorial Hospital Symposium on Head and Neck Cancer, 2009 October 17; Chang Gung Memorial Hospital, Taiwan.*
- September 2010**      *World Molecular Imaging Congress; 2010 Sep 8; Kyoto, Japan (Poster presenter)*
- March 2012**      *12<sup>th</sup> ESNMS Annual Meeting March 15-17; Alexandria, Egypt.*
- October 2012**      *European Association of Nuclear Medicine; 2012 October 27-31; Milan, Italy (Oral presenter)*
- February 2014**      *The 5<sup>th</sup> International Annual Conference of Assiut Clinical Oncology Department; 26 February-1 March 2014; Luxor, Egypt*
- March 2014**      *14<sup>th</sup> ESNMS Annual Meeting; 2014 March 5-8; Sharm Elsheikh, Egypt.*
- April 2014**      *6<sup>th</sup> Annual Conference of South Egypt Cancer Institute, Assiut University; 2014 April 8-11; Hurghada, Egypt.*
- June 2014**      *Society of Nuclear Medicine and Molecular Imaging; 2014 June 7-11; St. Louis, USA (Oral presenter).*
- October 2014**      *European Association of Nuclear Medicine; 2014 October 18-22; Guthenburg, Sweden (Oral presenter).*
- March 2015**      *International Symposium on Clinical Applications of PET/MR Imaging; 2015 March 28-29; Chang Gung Memorial Hospital, Linkou, Taiwan.*
- June 2015**      *Society of Nuclear Medicine and Molecular Imaging; 2014 June 6-10; Baltimore, USA (Oral presenter).*

## **Training**

### **Training Courses and workshops related to my specialty**

- 1- *Training Course In Cell Labeling Techniques*, by Dr. Solanki, NEMROCK Center in collaboration with IAEA, 24<sup>th</sup> – 27<sup>th</sup> May 2004
- 2- *Regional AFRA Training Course on Nephro-urological Applications in Nuclear Medicine*, NEMROCK Center in collaboration with IAEA, 11<sup>th</sup> –15<sup>th</sup> December 2004.
- 3- *Regional AFRA Training Course In Radiopharmacy*, by Dr. Maung Saw, NEMROCK Center in collaboration with IAEA, 29<sup>th</sup> Jan. – 9<sup>th</sup> Feb. 2005, Egypt.
- 4- *Workshop on Cyclotron Application and Technologies*, by Dr. Vera Ruiz, NEMROCK Center in collaboration with IAEA, 26<sup>th</sup> – 30<sup>th</sup> June 2006.
- 5- *Applications of PET-CT System in Oncology, Cardiology and Neurology*, by Dr. Alex Maes, NEMROCK Center in collaboration with IAEA, 26<sup>th</sup> – 29<sup>th</sup> July 2006.
- 6- *Regional AFRA Training Course on Therapeutic Applications in Nuclear Medicine*, NEMROCK Center in collaboration with IAEA, Cairo, Egypt, 10-14 Dec., 2006.
- 7- *Regional AFRA Training Course on Applications of Nuclear Medicine Techniques in Pediatrics*, Cape Town, South Africa, 19-23 Nov., 2007.
- 8- *Regional (AFRA) Training Course on PET-CT in Oncology Applying F-18 and Ga-68*, Cairo, Egypt, 20-24 Oct., 2011.
- 9- *Training Course on SPECT/CT, Nuclear Medicine Department, Klinikum Rechts der Isar, Munich Technical University, Germany*, 16-27<sup>th</sup> Sept., 2013.
- 10- *Condensed Course on ECG Interpretation*, by Professor Dr. Hossam Mowafi, Faculty of Medicine, Cairo University, Egypt, 14 & 21<sup>st</sup> May 2014.
- 11- *Condensed Course on Arrhythmias*, by Professor Dr. Hossam Mowafi, Faculty of Medicine, Cairo University, Egypt, 11 & 18<sup>th</sup> June 2014.

### **12- STEM CELLS**

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### **Other Workshops & Courses**

- 1- *Basic communication and presentation Skills*; Al-Ahram Management And Computer Center AMAC, Cairo, November 2005.
- 2- *Basic sales and marketing skills*; AMAC, Cairo, December 2005.
- 3- *Problem solving and decision making*; AMAC, Cairo, December 2005.

- 4- *Basic research methodology, statistics and quality control*; Medical Education Development Center MEDC, Cairo University, December 2005.
- 5- *Project management concepts*; AMAC, Cairo, July 2006.
- 6- *Use of technology in teaching*; FLDC, Assiut Univeristy, September 2007.
- 7- *Credit Hour System*; FLDC, Assiut Univeristy, September 2007.
- 8- *Student Evaluation*; FLDC, Assiut Univeristy, 22-24 September 2007.
- 9- *International publishing of research*; FLDC, Assiut Univeristy, 1-3 September 2007.
- 10- *Research Ethics*; FLDC, Assiut Univeristy, February 2012.
- 11- *Legal and financial aspects in university environment*; FLDC, Assiut Univeristy, February 2012.
- 12- *Code of ethics*; FLDC, Assiut Univeristy, February 2012.
- 13- *Research team management*; FLDC, Assiut Univeristy, 11-13 February 2012.
- 14- *How to write a successful research proposal*; FLDC, Assiut Univeristy, 12-13 April 2014.
- 15- *University administration*; FLDC, Assiut Univeristy, February 2015.

## **Computer Skills**

- Advanced skills in Windows and Macintosh platforms as well as Microsoft Office applications
- Advanced SPSS knowledge
- Working experience with Siemens & Philips workstations, OsiriX and PMOD
- Professional database management courses:
  - 1- *Database concepts*; AMAC, Cairo, 11<sup>th</sup> -18<sup>th</sup> Dec. 2005.
  - 2- *Network fundamentals*; AMAC, Cairo, 20<sup>th</sup> - 22<sup>nd</sup> Dec. 2005
  - 3- *Database Design Methodologies*; AMAC, Cairo, 24<sup>th</sup> Dec. 2005 – 5<sup>th</sup> Jan. 2006
  - 4- *Managing & Maintaining MS Windows Server 2003*; AMAC, Cairo, 15<sup>th</sup> Jan. – 12<sup>th</sup> Feb. 2006.
  - 5- *Querying, Programming and Administrating SQL Server 2000*; AMAC, Cairo, 14<sup>th</sup> Feb. – 30<sup>th</sup> March 2006.
  - 6- *Programming with VB.NET 2003*; AMAC, Cairo, 2<sup>nd</sup> April – 14<sup>th</sup> May 2006.
  - 7- *Programming with ADO.NET 2003*; AMAC, Cairo, 16<sup>th</sup> – 28<sup>th</sup> May 2006.

- 8- *Programming with C#. NET 2003*; AMAC, Cairo, 30<sup>th</sup> May – 25<sup>th</sup> June 2006.
- 9- *Developing Web Applications with ASP.NET*; AMAC, Cairo, 27<sup>th</sup> June – 13<sup>th</sup> July 2006.
- 10- *MS Project Server 2003*; AMAC, Cairo, 16<sup>th</sup> – 30<sup>th</sup> July 2006.
- 11- *Microsoft Certified Database Administrator (MCDBA)*; July 2006

## **References**

### **Professor Dr. Hosna Mohammed Moustafa, MD**

**Professor of Nuclear Medicine, Faculty of Medicine, Cairo University, Egypt.**

*Phone number:* +201005263008

*Fax:* +20223635554

*E-mail address:* [drhosna1947@gmail.com](mailto:drhosna1947@gmail.com) ; [hosana.mostafa@kasralainy.edu.eg](mailto:hosana.mostafa@kasralainy.edu.eg)

### **Professor Dr. Tzu-Chen Yen, MD, Ph.D.**

**Professor of Nuclear Medicine, Chang Gung Memorial Hospital and University, Taiwan.**

*Phone number:* +886-96-8372903

*Fax:* +886-32-110052

*E-mail address:* [yen1110@adm.cgmh.org.tw](mailto:yen1110@adm.cgmh.org.tw) ; [yentc1110@gmail.com](mailto:yentc1110@gmail.com)

### **Professor Dr. Sherif Mohamed El Refaei, MD, FEBNM**

**Professor of Nuclear Medicine, Faculty of Medicine, Cairo University, Egypt**

*Phone number:* +201223938246

*Fax:* +20223635554

*E-mail address:* [shrefaie@hotmail.com](mailto:shrefaie@hotmail.com) ; [shrefaie@gmail.com](mailto:shrefaie@gmail.com)

### **Professor Dr. Amr Osama, MD**

**Professor of Radiology, Faculty of Medicine, Cairo University, Egypt**

*Phone number:* +201005825010

*Fax:* +20223635554

*E-mail address:* [amrosama66@hotmail.com](mailto:amrosama66@hotmail.com)