

CURRICULUM VITAE



Personal Data:-

Name: **Mohamed Ebrahim Abd EL-Hamid Abou El-Ghar**
D.O.B.: **14/8/1966**
Marital status: **Married& have 2 daughters**
Nationality: **Egyptian**

Contact:-

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Graduation:

M.B.B Ch.	1989
M.Sc. (Diagnostic Radiology)	1997
M.D. (Diagnostic Radiology)	2002

Present position:-

- Consultant of Diagnostic Radiology,
- Vice- Director Urology & Nephrology center, Mansoura University-Egypt.
- Fellowship of European Society of Urogenital Radiology (ESUR).
- Member of European society of Radiology (ESR).
- Member of Radiologic society of North America (RSNA).
- Member of Egyptian society of radiology and nuclear medicine (ESRNM).
- Member of editorial board of World journal of Radiology (WJR).
- Reviewer of European Radiology journal.
- Reviewer of World journal Of Radiology (WJR).
- Reviewer of Arab journal of Urology (AJU).
- Reviewer at British journal of Radiology (BJR).
- Associate Editor Egyptian journal of radiology & Nuclear medicine (EJRN).
- Reviewer of American journal of Nephrology (AJN).

Experiences

- Rotating internship, Mansoura University Hospital –Egypt (12 month).
- Resident in the radiology department, Mansoura Urology & Nephrology center (48 month).
- Training course in Neuroradiology, Cairo-Egypt 1994.
- Training course in Chest CT, Cairo – Egypt 1995.
- Training course in abdominal & peripheral vascular sonography, Cairo-Egypt 1996.
- MRI training course, Cairo-Egypt 1998.
- Training course in CT of petrous bone, Larynx& paranasal sinuses, Cairo-Egypt 1999.
- Visiting doctor at radiology department, Erasmus university-Holland 2000.
- State of the art Imaging course, Stresa-Italy 2001.
- Visiting doctor at radiology department, Zurich children hospital-Switzerland 2002.
- Training course in Head& Neck radiology, Cairo-Egypt 1997&2002.
- Training course in musculoskeletal radiology, Cairo-Egypt 2002.
- International scientific exchange course on Advances in Diagnostic radiology and Nuclear medicine physics, Cairo-Egypt 2003.
- Visiting Doctor at radiology department, Hospital of sick children-Canada 2004.
- Workshop for hepatic intervention, National liver institute-Menofya university; Egypt 2004.
- Member of organizing committee of the 13th European symposium on urogenital radiology (ESUR), Cairo-Egypt 2006.

Scientific Presentations

1. **M. Abou EL-Ghar.** Quantitative analysis of CT attenuation values in characterization of adrenal masses, First day radiology symposium, Urology &Nephrology center, Mansoura-Egypt 2001.
2. T. El-Diasty, **M. Abou EL-Ghar**, O. Mansour. Multislice CT in different urological applications Initial experience, European Society of Urogenital Radiology (ESUR), Rotterdam, The Netherlands, 13-16 September 2001.
3. T. El-Diasty, O. Mansour, A. Farouk, **M. Abou El-Ghar**. Multislice helical CT and MRI in the diagnosis of the nutcracker syndrome, European Society of Urogenital Radiology (ESUR), Rotterdam, The Netherlands, 13-16 September 2001.
4. **M. Abou El-Ghar.** Imaging characterization of adrenal masses, Urology department congress, Urology & Nephrology center, Mansoura - Egypt 2001.
5. O. Mansour, T. El-Diasty, **M. Abou-El-Ghar**. Multidetector CT in different urologic applications. The scientific meeting of the Egyptian Society of Radiology and Nuclear Medicine, 4-6, September, 2002.
6. T. El-Diasty, **M. Abou EL-Ghar**, O. Mansour, E. El-Sobky, M. El-Baz, K. Sheir, M. Goma. Triphasic helical CT of urinary bladder carcinomas: correlation with tumor angiogenesis and pathologic types. International Urogenital Radiology symposium [ESUR-SUR]. June 15-20, 2002, Genoa, Italy.
7. **M. Abou El-Ghar.** Imaging of bladder cancer, Second day radiology symposium, Urology &Nephrology center, Mansoura-Egypt 2002.

8. **M. Abou El-Ghar.** Imaging of prostate cancer, Second day radiology symposium, Urology &Nephrology center, Mansoura-Egypt 2002.
9. H. Refaie, M. Bazeed, **M. Abou El-Ghar**, N. Eed, T. El-Diasty. Imaging of renal function recoverability after relief of pelviureteral junction obstruction, In Reorientation and future trends in pediatric uroradiology, Graz-Austria 2002.
10. A. El-Nahas, **M. Abo EL-Ghar**, A. Shoma, I. Eraky, M. EL-Kenawy and H. EL-Kappany. Role of Multiphasic Helical CT in planning surgical treatment of Ureteropelvic Junction Obstruction". Poster presentation in the 18th European Association of Urology Conference, Madrid, Spain 2003.
- 11.**M. Abou El-Ghar, M. Elsherbini, H. Refaie, T. El-Diasty.** Late renal functional and morphological evaluation after non-operative treatment of high-grade renal injuries in children, The annual scientific meeting of the Egyptian society of radiology & Nuclear medicine, Ras Sedr-Egypt 2003.
- 12.**M. El-Ghar**, H. Refaie, T. El-Diasty. Quantitative analysis of CT attenuation values in differentiating solid adrenal masses, ECR, Vienna – Austria 2003.
- 13.**M. Abou El-Ghar**, A. El-Nahas, H. Refaie, T. El-Diasty. Role of multidetector CT in preoperative evaluation of patients with UPJ obstruction, ECR, Vienna –Austria 2003.
- 14.**M. Abou El-Ghar.** Imaging of pediatric renal masses, 3rd annual congress of Al-Azhar urology department, Cairo-Egypt 2003.
- 15.**M. Abou El-Ghar.** MRI of the kidney, Third day radiology symposium, Urology & Nephrology center, Mansoura- Egypt 2004.

16. **M. Abou El-Ghar**, A. Shokeir, H. Refaie, T. El-Diasty. MRI as a single modality for anatomic and functional assessment of urinary obstruction, 11th ESUR, Santiago de compostela-Spain 2004.
17. **M. Abou El-Ghar**, A. El-Nahas, H. Refaie, T. El-Diasty. MRU in ureteropelvic junction obstruction: All in one approach, 11th European symposium on urogenital radiology, Santiago de compostela - Spain 2004.
18. **M. Abou El-Ghar**, M. Elshebiny, A. Hafez, H. Refaie, T. El-Diasty. Imaging of high grade renal injuries in children: selection for non-operative treatment& long term renal functional and morphological evaluation, 11th ESUR, Santiago de compostela-Spain 2004.
19. **M. Abou El-Ghar**, A. El-Nahas, H. Refaie, T. El-Diasty. Multidetector row CT in detection of vascular abnormalities associated with crossing vessels in patients with UPJ obstruction, 11th ESUR, Santiago de compostela - Spain 2004.
20. **M. Abou El-Ghar**, K. Sheir, H. Refaie, T. El-Diasty. Dynamic MRI in evaluation of early post extracorporeal shock wave lithotripsy (SWL) morphologic and hemodynamic renal changes, 11th ESUR, Santiago de compostela-Spain 2004.
21. **M. Abou El-Ghar**, Y. Osman, H. Refaie, O. Mansour, T. El-Diasty. Magnetic resonance urethrography for diagnosis of non-traumatic male urethral pathology; is it clinically relevant? 11th European symposium on urogenital radiology, Santiago de compostela - Spain 2004.
22. **M. Abou El-Ghar**, T. El-Diasty, A. Shoma, H. Refaie, A. Shokeir. Diagnostic Criteria For acute upper urinary tract Obstruction at dynamic MRI, 12th ESUR, lublijana -Slovenia 2005.

23. **M. Abou El-Ghar.** Erectile dysfunction, Uroradiology Refreshing Course, June 2006, Assiut University-Egypt 2006.
24. **M. Abou El-Ghar**, A. Shokeir, H. Refaie & T. El-Diasty. Magnetic Resonance Imaging in Patients with Chronic Obstructive Uropathy and Compromised Renal Function: A Sole Method for Morphological and Functional Assessment, 13th European symposium on urogenital radiology, Cairo-Egypt 2006.
25. **M. Abou El-Ghar**, A. Shokeir, H. Refaie & T. El-Diasty. Static T2w MRU In Non-calicular urinary obstruction: comparison of techniques. 19th European congress of radiology, Vienna-Austria 2007.
26. **M. Abou El-Ghar**, W. Essa, H. Refaie, T. El-Diasty. Role of Multiphasic CT in Conservative management of shattered kidney in children (Poster Exhibit).ARC; Bonita, Florida-USA; 2007.
27. **M. Abou El-Ghar**, Y. Osman, H. Refaie, T. El-Diasty. Comparison of combined retrograde urethrography and sonourethrography versus magnetic resonance urethrography (Poster Exhibit) ARC; Bonita, Florida-USA; 2007.
28. **M. Abou El-Ghar**, Ahmed El Assmy, Huda refaie & Tarek El-Diasty. Diffusion-weighted MR imaging in patients with gross hematuria, European Society of Urogenital Radiology (ESUR), Munich-Germany, 2008.
29. H.F.Refaie, **M. Abou El-Ghar**, T.A. El-Diasty, A.F.Refaie, A.A. Shokeir, M.A.Ghoneim. Preoperative assessment of potential live kidney donor from IV- DSA to 64 MDCT: single center experience, European Society of Urogenital Radiology (ESUR), Munich-Germany, 2008.

30. **M. Abou El-Ghar**, A. El Assmy, H. refaie & T. El-Diasty. Value of Diffusion-weighted MR In staging of urinary bladder carcinoma, European Society of Urogenital Radiology (ESUR), Munich-Germany, 2008.
31. **M. Abou El-Ghar**, H. Refaie, N. Hassan, M. Kamal, T. Mohsen & T. El-Diasty. Diffusion weighted MRI in evaluation of transplanted kidney: Preliminary clinical experience. European Society of Urogenital Radiology (ESUR), Athens-Greece, 2009.
32. **M. Abou El-Ghar**, A. El Assmy, H. Refaie& T. El-Diasty. DW MRI Vs Dynamic MRI in diagnosis of prostate cancer; a prospective study. European Society of Urogenital Radiology (ESUR), Athens-Greece, 2009.
33. **M. Abou El-Ghar**, H. Refaie, N. Hassan, M. Kamal, T. Mohsen & T. El-Diasty. Diffusion weighted MRI in evaluation of transplanted kidney: Preliminary clinical experience (Poster Exhibit). European congress of Radiology (ECR), Vienna-Austria, 2010.
34. **M. Abou El-Ghar**, H. Refaie, O. Sarhan, T. El-Diasty. MR imaging of pediatric urologic diseases (Poster Exhibit). European congress of Radiology (ECR), Vienna-Austria, 2010.
35. H. Refaie, **M. Abou El-Ghar**, T. El-Diasty. Evaluation of potential live kidney donors using 64-slice multidetector CT (Poster Exhibit). European congress of Radiology (ECR), Vienna-Austria, 2010.
36. **M. Abou-E-Ghar**, I. Hekal, A. El Assmy, H. Refaie, T. El-Diasty; MRI in diagnosis of prostate cancer: Does post biopsy changes affect its accuracy? European congress of Radiology (ECR), Vienna-Austria, 2010.

37. **M. Abou-El-Ghar**, I. Hekal, T. Mohsen, H. Refaie, T. El-Diasty; DW MRI Vs Dynamic MRI in diagnosis of prostate cancer; A prospective study. European congress of Radiology (ECR), Vienna-Austria, 2010.
38. S. Ahmed, **M. Abou El-Ghar**, O. Abd El Aziz, et al. The Role of Combined Static-Excretory MR Urography in the Evaluation of Upper Urinary Tract Disorders in Children. RSNA, Chicago-USA, 2010.
39. **M. Abou El-Ghar**, Refaie H, Sarhan O, El-Diasty T. MR Urography: Current Applications and Future Prospectives in Pediatric Patients. RSNA 2010.
40. **M. Abou El-Ghar**, A. EL-Baz, F. Khalifa, et al. Non-Invasive Image-based Approach for Early Detection of Prostate Cancer. ESUR – SUR 2011 International Urogenital Radiology Joint Meeting of European Society of Urogenital Radiology and Society of Uroradiology, Dubrovnik –Croatia 2011.
41. **M. Abou El-Ghar**, A. El-Assmy, H. Refaie, T. El-Diasty. Imaging of genitourinary fistula: The role of MRI. ESUR – SUR 2011 International Urogenital Radiology Joint Meeting of European Society of Urogenital Radiology and Society of Uroradiology, Dubrovnik –Croatia 2011.
42. **M. Abou El-Ghar**, Huda Refaie, Ahmed El-Assmy, T. El-Diasty. Urinary Tract Fistulas: The Role of Cross-Sectional Imaging. RSNA, Chicago-USA, 2011.
43. **M. Abou-El-Ghar**, A. El Assmy, H. Refaie, T. El-Diasty. Selective Arterial Embolization of Symptomatic Giant Renal Angiomyolipoma: Efficacy, Complications and Long-term Outcomes. European congress of Radiology (ECR), Vienna-Austria, 2012.

44. **M. Abou-El-Ghar**, A. El Assmy, H. Refaie, S. Elhalwagy, T. El-Diasty. Adenocarcinoma of the bladder: does it have characteristic MRI features?. European congress of Radiology (ECR), Vienna- Austria,2012.
45. **M. Abou El-Ghar**, A. El-Assmy, H. Refaie, A. Mosbah & Tarek El-Diasty. Diffusion Weighted MRI in Follow-up of Superficial Urinary Bladder Carcinoma after Transurethral Resection: Initial Experience. RSNA, Chicago-USA, 2012.
46. **M. Abou El-Ghar**, A. El-Assmy, H. Refaie, A. Abdelhamid & Tarek El-Diasty.MR Imaging of Testicular Lesions with Histopathologic Correlation. RSNA, Chicago-USA, 2012.
47. **M. Abou El-Ghar**, A. El-Assmy, H. Refaie, A. Mosbah & Tarek El-Diasty. Diffusion Weighted MRI in Follow-up of Superficial Urinary Bladder Carcinoma after Transurethral Resection. ECR, Vienna-Austria, 2013.
48. **M. Abou El-Ghar**. MRI in the kidney and urinary tract: The role of gadolinium enhanced techniques. 44th Annual congress of the ESRNM, Cairo-Egypt, 2013.
49. **M. Abou El-Ghar**. An introduction to Uro-Radiology. 2nd International Pediatric Urology Training Course, Mansoura – Egypt 2013.
50. **M. Abou El-Ghar**. Non-hydatid parasitic infections. 20th European symposium on urogenital radiology (ESUR), Istanbul-Turkey, 2013.
51. **M. Abou el-Ghar**. Imaging in pediatric urinary tract. 45th Annual congress of the ESRNM, Ain El-Sokhna- Egypt, 2013.

52. **M. Abou El-Ghar.** T1-T2 renal tumors. 48th Annual Meeting of the Egyptian Urological Association (EUA) in conjunction with the European Association of Urology (EAU), Sharm El-Sheikh- Egypt, 2013.
53. **M. Abou El- Ghar.** Cystic renal mass. 28th International Congress Radiology (ICR). Dubai – UAE 2014. (Oral presentation).
54. **M. Abou El- Ghar**, H. Refaie, K. Sheir, A. Abdelaziz, H. Farag, T. El Diasty. Can diffusion weighted MRI including ADC values predict the response of bladder tumor to chemo-radiology? 100th annual meeting of RSNA USA 2014. (Oral presentation).
55. **M. Abou El- Ghar.** A. Mansour, H. Refaie, T. Diasty. Characterization of lymph mode metastases using diffusion- weighted MRI in cases of bladder cancer. 100th annual meeting of RSNA, USA 2014. (Oral presentation).
56. **M. Abou El- Ghar.** "Imaging in Renal Transplant" 4th Annual Conference of the Internal Med. Dep. In Collaboration with The Egyptian Society of Nephrology and Transplantation ESNT Outreach Program; Sohag Renal Week October 29th – November 5th, 2016.

Congress Attendance

1. The annual scientific meeting of the Egyptian society of radiology & Nuclear medicine, Hurghada -Egypt 1994.
2. Euro PACS'97, 15th annual meeting. Pisa, Italy. 1997.
3. The first annual conference of radiology department, Cairo University-Egypt 2001.

4. The 1st radiologysymposium, Urology & Nephrology center, Mansoura University –Egypt 2002.
5. The 2nd radiology symposium, Urology& Nephrology center, Mansoura University –Egypt 2003.
6. The annual scientific meeting of the Egyptian society of radiology &Nuclear medicine, Ras Sedr-Egypt 2003.
7. Advances in Diagnostic Radiology and Nuclear medicine physics, Nasser Institute hospital, Cairo-Egypt 2003.
8. The 3rd annualconference of radiology department, Cairo University-Egypt 2003.
9. The 3rd annual congress of Al-Azhar University, Cairo-Egypt 2003.
10. 15th European congress of radiology, Vienna-Austria 2003.
- 11.The 3rd radiology symposium “state of the art renal imaging”, Urology & Nephrology center, Mansoura University –Egypt 2004.
- 12.The 4th annualconference of radiology department (New concepts of pediatric imaging), Cairo University-Egypt 2004.
- 13.The scientific annual conference of radiology department, Mansoura university-Egypt 2004.
- 14.11th European symposium on urogenital radiology (ESUR), Santiago de compostela - Spain 2004.

- 15.The 2nd Workshop of Hepatobiliary Interventional Radiology, National liver institute, Shebin El-Kom-Egypt 2004.
- 16.The 4th radiology symposium (urogenital ultrasound), Urology& Nephrology center, Mansoura University –Egypt 2005.
- 17.The 1st Refresh Radiology Seminar, El-Hussein University hospital, Cairo-Egypt 2005.
- 18.The annual conference of the radiology department-Alexandria University (Updated radiology in Emergency)-Egypt 2005.
- 19.12th European symposium on urogenital radiology (ESUR), Ljubljana - Slovenia 2005.
- 20.13th European symposium on urogenital radiology (ESUR), Cairo-Egypt 2006.
- 21.Uroradiology Refreshing Course, June 2006, Assuit University-Egypt 2006.
22. 92nd RSNA (Radiological society of North America meeting) Chicago- USA.2006.
23. 19th European congress of radiology, Vienna-Austria 2007.
24. The 7th Annual Radiology conference (MSCT Applications), Cairo university-Egypt 2007.
25. Abdominal Radiology course (ARC). Rancho mirage, California; USA - 2008.

26. 15th European symposium on urogenital radiology (ESUR), Munich-Germany 2008.
27. 21st European congress of radiology (ECR), Vienna-Austria 2009.
28. 16th European symposium on urogenital radiology (ESUR), Athens -Greece 2009.
29. 22nd European congress of radiology (ECR), Vienna-Austria 2010.
30. 96th RSNA (Radiological society of North America meeting) Chicago-USA.2010.
31. ESUR – SUR 2011 International Urogenital Radiology Joint Meeting of European Society of Urogenital Radiology and Society of Uroradiology, Dubrovnik – Croatia 2011.
32. 97th RSNA (Radiological society of North America meeting) Chicago-USA.2011.
33. 24th European congress of radiology (ECR), Vienna-Austria 2012.
34. 2nd African Radiology Congress, Bibliotheca Alexandria, Alexandria-Egypt 2012.
35. 98th RSNA (Radiological society of North America meeting) Chicago-USA.2012.
36. 25th European congress of radiology (ECR), Vienna-Austria 2013.
37. 44th Annual congress of the ESRNM, Cairo-Egypt 2013.

38. 2nd International Pediatric Urology Training Course, Mansoura-Egypt 2013.

39. 20th European symposium on urogenital radiology (ESUR), Istanbul-Turkey 2013.

40. 45th Annual congress of the ESRNM, Ain El-Sokhna- Egypt 2013.

41.48th Annual Meeting of the Egyptian Urological Association (EUA) in conjunction with the European Association of Urology (EAU), Sharm El-Sheikh- Egypt 2013.

42.28th International Congress Radiology (ICR). Dubai – UAE 2014.

43.100th RSNA (Radiological society of North America meeting) Chicago-USA.2014.

44.27th European congress of radiology (ECR), Vienna-Austria 2015.

45.101st RSNA (Radiological society of North America meeting) Chicago-USA.2015.

46.16th Mediterranean African society of ultrasound conference. Alexandria-Egypt 2016.

47.4th Annual Conference of the Internal Med. Dep. In Collaboration with the Egyptian Society of Nephrology and Transplantation ESNT Outreach Program; Sohag Renal Week October 29th – November 5th, 2016.

48.102nd RSNA (Radiological society of North America meeting) Chicago-USA.2016.

Publications

1. Shokeir, A.A., Shoma, A.M., Mosbah, A., Mansour, O., **Abol-Ghar, M.**, Eassa, W., El-Assmy, A. Noncontract computed tomography in obstructive anuria: A prospective study (2002) *Urology*, 59 (6), pp. 861-864.
2. El-Sherbiny, M.T., **Aboul-Ghar, M.**, Hafez, A.T., Hammad, A.A., Bazeed, M.A. Late renal functional and morphological evaluation after non-operative treatment of high grade renal injuries in children (2004) *BJU International*, 93, pp. 1053-1056.
3. El-Diasty, T.A., Shokeir, A.A., **Abo El-Ghar, M.E.**, Gad, H.M., Refaie, A.F., Shehab El-Din, A.B. Contrast enhanced spiral computerized tomography in live kidney donors: A single session for anatomical and functional assessment (2004) *Journal of Urology*, 171 (1), pp. 31-34.
4. Shokeir, A.A., El-Diasty, T., Eassa, W., Mosbah, A., **El-Ghar, M.A.**, Mansour, O., Dawaba, M., El Kappany, H. Diagnosis of ureteral obstruction in patients with compromised renal function: The role of noninvasive imaging modalities (2004) *Journal of Urology*, 171 (6 I), pp. 2303-2306.
5. El-Nahas, A.R., **Abou-El-Ghar, M.**, Shoma, A.M., Eraky, I., El-Kenawy, M.R., El-Kappany, H. Role of multiphasic helical computed tomography in planning surgical treatment for pelvi-ureteric junction obstruction (2004) *BJU International*, 94 (4), pp. 582-587.
6. **Abo El-Ghar, M.E.**, Shokeir, A.A., El-Diasty, T.A., Refaie, H.F., Gad, H.M., Shehab El-Dein, A.B. Contrast enhanced spiral computerized tomography in patients with chronic obstructive uropathy and normal serum creatinine: A single session for anatomical and functional assessment (2004) *Journal of Urology*, 172 (3), pp. 985-988.

7. El-Assmy, A., Abd El-Hamid, M., **Abo-ElGhar**, M.E., Hafez, A.T. Single-layer small intestinal submucosa or tunica vaginalis flap for correcting penile chordee (2004) BJU International, 94 (7), pp. 1097-1101.
8. Yuksel, S.E., El-Baz, A., Farag, A.A., **Abo El-Ghar**, M.E., Eldiasty, T.A., Ghoneim, M.A. Automatic detection of renal rejection after kidney transplantation (2005) International Congress Series, 1281, pp. 773-778.
9. El-Diasty, T.A., **Abo El-Ghar**, M.E., Shokeir, A.A., Gad, H.M., Wafa, E.W., El-Azab, M.E., Shehab El-Din, A.B., Ghoneim, M.A. Magnetic resonance imaging as a sole method for the morphological and functional evaluation of live kidney donors (2005) BJU International, 96 (1), pp. 111-116.
10. Farag, A.A., El-Baz, A., Gimelfarb, G., **El-Ghar**, M.A., Eldiasty, T. Quantitative nodule detection in low dose chest CT scans: new template modeling and evaluation for CAD system design. (2005) Medical image computing and computer-assisted intervention: MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention., 8 (Pt 1), pp. 720-728.
11. El-Baz, A., Yuksel, S.E., Shi, H., Farag, A.A., **El-Ghar**, M.A., Eldiasty, T., Ghoneim, M.A. 2D and 3D shape based segmentation using deformable models. (2005) Medical image computing and computer-assisted intervention: MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention., 8 (Pt 2), pp. 821-829.
12. El-Assmy, A., El-Nahas, A.R., Madbouly, K., Abdel-Khalek, M., **Abo-ElGhar**, M.E., Sheir, K.Z. Extracorporeal shock-wave lithotripsy monotherapy of partial staghorn calculi (2006) Scandinavian Journal of Urology and Nephrology, 40 (4), pp. 320-325.

- 13.** Osman, Y., **El-Ghar, M.A.**, Mansour, O., Refaie, H., El-Diasty, and T. Magnetic Resonance Urethrography in Comparison to Retrograde Urethrography in Diagnosis of Male Urethral Strictures: Is It Clinically Relevant? (2006) European Urology, 50 (3), pp. 587-594.
- 14.** El-Baz, A., Farag, A.A., Gimel'Farb, G., **El-Ghar, M.A.**, Eldiasty, T. A new adaptive probabilistic model of blood vessels for segmenting MRA images (2006) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 4191 LNCS - II, pp. 799-806.
- 15.** El-Baz, A., Fahmi, R., Yuksel, S., Farag, A.A., Miller, W., **El-Ghar, M.A.**, Eldiasty, T. A new CAD system for the evaluation of kidney diseases using DCE-MRI (2006) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 4191 LNCS - II, pp. 446-453.
- 16.** Farag, A.A., El-Baz, A., Gimel'farb, G., Falk, R., **El-Ghar, M.A.**, Eldiasty, T., Elshazly, S. Appearance models for robust segmentation of pulmonary nodules in 3D LDCT chest images (2006) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 4190 LNCS - I, pp. 662-670.
- 17.** Farag, A., El-Baz, A., Yuksel, S.E., **El-Ghar, M.A.**, Eldiasty, T. A framework for the detection of acute renal rejection with dynamic contrast enhanced magnetic resonance imaging (2006) 3rd IEEE International Symposium on Biomedical Imaging: From Nano to Macro - Proceedings, art. No. 1624942, pp. 418-421.
- 18.** El-Assmy, A., El-Nahas, A.R., **Abo-El Ghar, M.E.**, Eraky, I., El-Kenawy, M.R., Sheir, K.Z. Predictors of success after extracorporeal shock wave lithotripsy (ESWL) for renal calculi between 20-30 mm: a multivariate analysis model. (2006) the Scientific World Journal, 6, pp. 2388-2395.

- 19.** El-Baz, A., Fahmi, R., Yuksel, S., Farag, A.A., Miller, W., **El-Ghar, M.A.**, Eldiasty, T. A new CAD system for the evaluation of kidney diseases using DCE-MRI. (2006) Medical image computing and computer-assisted intervention: MICCAI ... International Conference on Medical Image Computing and Computer Assisted Intervention, 9 (Pt 2), pp. 446-453.
- 20.** El-Baz, A., Farag, A., Gimel'farb, G., Falk, R., **El-Ghar, M.A.**, Eldiasty, T. A framework for automatic segmentation of lung nodules from low dose chest CT scans (2006) Proceedings - International Conference on Pattern Recognition, 3, art. No. 1699600, pp. 611-614.
- 21.** El-Baz, A., Farag, A., Gimel'farb, G., **El-Ghar, M.A.**, Eldiasty, and T. Probabilistic modeling of blood vessels for segmenting MRA images (2006) Proceedings - International Conference on Pattern Recognition, 3, art. No. 1699675, pp. 917-920.
- 22.** El-Baz, A., Farag, A., Fahmi, R., Yuksela, S., **El-Ghar, M.A.**, Eldiasty, T. Image analysis of renal DCE-MRI for the detection of acute renal rejection (2006) Proceedings - International Conference on Pattern Recognition, 3, art. No. 1699652, pp. 822-825.
- 23.** Farag, A.A., El-Baz, A., Gimel'farb, G., Falk, R., **El-Ghar, M.A.**, Eldiasty, T., Elshazly, S. Appearance models for robust segmentation of pulmonary nodules in 3D LDCT chest images. (2006) Medical image computing and computer-assisted intervention: MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention, 9 (Pt 1), pp. 662-670.
- 24.** El-Baz, A., Farag, A.A., Gimel'farb, G., **El-Ghar, M.A.**, Eldiasty, T. A new adaptive probabilistic model of blood vessels for segmenting MRA images. (2006) Medical image computing and computer-assisted intervention: MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention, 9 (Pt 2), pp. 799-806.

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- 15.Ali Takieldeen, Ahmed Soliman, Patrick McClure, Fahmi Khalifa, **Mohamed Abou El-Ghar**, Tarek El-Diasty, Jasjit S. Suri, Adel Elmaghraby, Ayman El-Baz: A novel NMF-based CAD system for early diagnosis of prostate cancer by using 4-D diffusion-weighted magnetic resonance images (DW-MRI). Biomedical Image Segmentation: Advances and Trends, Edited by A. El-Baz, X. Jiang, and J. Suri, 11/2016: chapter 14; Taylor & Francis., ISBN: 978-1482258554.
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Thesis Supervision:-

1. Evaluation of the role of percutaneous ablation in the treatment of symptomatic renal cysts. By: Mohamed Samir Shaaban (2004), MSc Thesis, Alexandria University.
2. Laparoscopic simple nephrectomy; Mansoura urology & nephrology center experience. By: Ahmad Haraz (2005), MSc Thesis, Mansoura University.
3. The role of 64-section multidetector CT in renal evaluation: Single session for anatomical and functional assessment. By: Hanady Hafez (2007), M.D Thesis, Mansoura University.
4. The Role of multidetector CT in characterization of parenchymal renal masses. By: Saly Adel (2007) MSc Essay, Mansoura University.

5. Evaluation of Non-Invasive MRI Techniques in Prostate Cancer Diagnosis.
By: Ihab A. Hekal (2008), M.D Thesis, Mansoura University.
6. Bladder cancer: Diagnosis and Staging with Diffusion-Weighted MR Imaging. By: Hashed Abdulkader Alabyadh (2010), M.D Thesis, Suez Canal University.
7. Role of sonoelastography in diagnosis of prostate cancer. By: Osama Mohamrd Alsayed Rezk (2014), MSc Thesis.
8. Role of transrectal ultrasonography and pelvic magnetic resonance imaging in diagnosis of male infertility. By Ali Ali Ibrahim El-Sorougy (2016), MSc Thesis, Mansoura University.
9. Role of MRI in evaluation of pelvic floor dysfunction in female urinary incontinence. By: Amany Anwar Ibrahim Askar (2016), M.B.B.ch, Mansoura University.

Proposal:-

- Junior investigator in the NSF funded project: "**Image Analysis for Identification of Renal Transplant Rejection**" PI's: Dr. Aly A. Farag and Tarek El-Diasty, NSF Grant, 60K. Project Duration: 9/1/06 – 9/1/08.
- Co-Investigator in the Wallace Coulter Foundation funded project: "**Novel Image Analysis Framework for Early Diagnosis of Malignant Lung Nodules**" PI's: Dr. Ayman El-Baz. 6/09-6/11.
- Co-Investigator in the STDF funded project: "**A Randomized Controlled Trial for Evaluating Renal Protective Effects of Antioxidants (Selenium and Vitamins A, C and E), Calcium Channel Blocker (Verapamil) and**

Angiotensin Receptor Blocker (Losartan) against Extracorporeal Shock wave Lithotripsy induced" PI's: Dr. Ahmed El-Nahas. Jan 2012.

Prizes:-

1. The prizes of the Late Dr. Mohamed Fakhry Mekawy in the field of private surgery (2004) from Academy Of Scientific Research And Technology – Egypt.
2. Publication prize from Misr El-khair foundation 2009.
3. Egyptian National Encourage Prize for Medical Science from Academy of Scientific Research and Technology, 2010, Egypt.
4. The prizes of the Late Dr. Mohamed Fakhry Mekawy in the field of internal medicine (2010) from Academy Of Scientific Research And Technology – Egypt.
5. Award of best oral presentation, ESUR – SUR 2011 International Urogenital Radiology Joint Meeting of European Society of Urogenital Radiology and Society of Uroradiology, Dubrovnik – Croatia 2011.
6. Mansoura prize in Medical Science from Academy of Scientific Research and Technology, 2011, Egypt.

Chairperson:-

1. Foundation Basics in radiology. 28th ICR congress. Dubai –UAE, 2014.
2. Chargry paradigm of prostate biopsy: TRUS- MRI.
3. Urinary system session III fusion 16th Mediterraneasn African society of ultrasound conference. Alexandria- Egypt 2016.