



Gamal El Din Esmat Gamil

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PERSONAL DATA

NATIONALITY: Egyptian.
DATE OF BIRTH: 3rd Jan, 1956.
MARITAL STATUS: Married to Dr. Gelane Zohdi and has 3 sons (Dr. Mohamed, Dr. Mostafa, Dr. Assem).

RESEARCH INTERESTS

Hepatitis prevention, screening and treatment; Hepatocellular carcinoma; Pediatric hepatology diseases and living related liver transplantation

CERTIFICATION

1979	<i>M.B.,B.Ch (Medical Degree)</i> Cairo University Faculty of Medicine.
1984	<i>MSc. (Master Degree in Tropical Medicine)</i> Cairo University Faculty of Medicine.
1990	<i>MD (Medical Doctorate in Tropical Medicine)</i> Cairo University Faculty of Medicine.

POST GRADUATE EDUCATION AND TRAINING

1980-1981	<i>House officer in Tropical Medicine Department</i> Cairo University Faculty of Medicine.
1981-1984	<i>Resident in Tropical Medicine Department</i> Cairo University Faculty of Medicine.
1984-1990	<i>Assistant Lecturer of Tropical Medicine</i>

Gamal Esmat Bibliography

	Cairo University Faculty of Medicine.
1991-1995	Lecturer in Tropical Medicine
	Cairo University Faculty of Medicine
1995-2001	Assistant Professor of Tropical Medicine
	Faculty of Medicine, Cairo University
2001- Present	Professor of Tropical Medicine
	Faculty of Medicine, Cairo University.

TRAINING IN INTERNATIONAL MEDICAL CENTERS

Fellowship of gastroenterology, Edward Herriot Hospital, Lyon, France 1984-1985.

SHORT TRAINING COURSES AT THE UNITED STATES OF AMERICA

- National Institute of health (NIH) in Bethesda, (1992).
 - ◆ Pathology Department: Dr Alan Cheever.
 - ◆ Ultrasonography Unit: Dr Tom Shaker.
- Johns Hopkins University Hospital, Endoscopy unit, Dr. Ravich (1992).
- Duke University Hospital (North Carolina), Endoscopy Unit: Dr. Peter Coton (1992).
- Georgetown University Hospital in Washington DC, Ultrasonography Unit: Dr Garra (1992).
Baltimore Institute of ultrasonography Dr Sanders.(1992)

COURSES

- Designing clinical research”: by Dr. Sherwin, University of Maryland at Baltimore. USA, 1992.
- “Principles of biostatistics”: by Dr. Permut, University of Maryland at Baltimore. USA, 1992.
- “Computer in medicine”: by Dr. Declaris, University of Maryland at Baltimore. USA, 1992.
- Cost effective analysis: by Dr. Provenzano, University of Maryland at Baltimore. USA, 1992.
- Recent advances in abdominal ultrasonography”: by Dr. Goldberg (Jefferson Medical College, Philadelphia, Pennsylvania). USA, 1992.

TEACHING APPOINTMENTS

1995-2001 Assistant Professor of Tropical Medicine and Gastroenterology Consultant
Faculty of Medicine Cairo University

2001till now. Professor of Tropical Medicine and Gastroenterology Faculty of Medicine
Cairo University

- Active member of Ultrasonography unit, Faculty of Medicine Cairo University 1984 till now.
- Active member of Endoscopy Unit, Faculty of Medicine Cairo University 1984 till now.
- Consultant of Gastroenterology: DR Soliman Fakeeh Hospital (480 beds), Jeddah, Saudi Arabia, 1994-1997.
- Director of the ultrasound training program in Egyptian Medical Syndicate since 1997 till now.
- Executive manager of liver center unit, Cairo University since 1997 till 2002.
- Director of Clinical Research Unit, Hepatitis C Project, International Health Division, University of Maryland Baltimore 2001-present

MILITARY SERVICE

1981-1982: One year service in Kobry El Koba Military hospital in hepatogastroenterology unit.

PROFESSIONAL MEMBERSHIP

Gamal Esmat Bibliography

- Board member in the Egyptian Society for Liver patients.
- Egyptian medical society of Tropical Medicine, Parasitology and Infectious diseases, since 1989.
- Egyptian medical society of Ultrasonography, since 1988.
- Egyptian medical society of Gastroenterology since 1989.
- The society of friends of liver patients in the Arab World since 1991.
- American Society of Tropical Medicine, since 1992.
- Mediterranean and African Association of Ultrasonography since 1999.
- Egyptian Medical Society of Hepatology since 1998.
- Permanent secretary of the African association of the study of liver disease (2003-2006).
- Fellow of the Maryland University at Baltimore
- Fellow of Edward Herriot hospital at Lyon France

HONORS AND AWARDS

- Academic Achievement Award: for 6 years from 1973 to 1979.
 - Graduation with honor Cairo University School of Medicine 1979.
 - Cairo Physician Excellency Award from Egyptian Medical Syndicate 1998.
 - President of the international liver congress, San Francisco (2008).
 - National Honorary Prize in Medicine (2010)
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SCIENTIFIC ACHIEVEMENT

The method of ultrasound grading for hepatic schistosomiasis outlined on the MD thesis (1989) was taken by the World Health Organization (WHO) as a standard method for grading of hepatic schistosomiasis for detection of schistosomal morbidity.

Acta Tropical, 51(1): 56-57

Research activities:

Completed Research Support

- | | | |
|---------------------------|---|------------------|
| 1. USAID and MOHP | Abdel-Wahab (PI) | 1989 - 1993 |
| | Epidemiology of Schistosomiasis 1,2,3 sponsored by Schistosomiasis Research Project (SRP) | |
| | Role: Co-PI | |
| 2. Schering Plough | Sjogren (PI) | 2001 – 2003 |
| | Efficacy of Interferon (PEG or alfa2-b) and Ribavirin in the Treatment of Chronic Hepatitis C in Egypt" | |
| | Role: Local PI | |
| 3. Welcome Trust | Strickland (PI) | 7/1/00 - 6/30/06 |
| | Evaluation of Protective, Disease-Associated & Therapeutic Immunity to Hepatitis C Virus Infection. | |
| | Role :Director of Clinical Team | |
| 4. NIH-RO3 | Gamal Esmat (PI) | 2004-2007 |
| | Epidemiology of HCV Infection among Egyptian Children | |
| | Role: Principle Investigator | |

Ongoing Research Support

- | | | |
|-----------------------|------------------|-----------|
| 1. ANRS(12184) | Gamal Esmat (PI) | 2009-2010 |
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Gamal Esmat Bibliography

Liver fibrosis evaluation among HCV genotype-4 infected patients in Egypt.
Comparison of elastometry, histology and serum markers.

Role: Principle Investigator

Positions:

- President of IASL (International Association for the Study of the Liver) 2006-2008.
- Member of NCCVH & director of hepatitis treatment centers, NCCVH, MOHP(2006-now)
- Consultant of liver transplantation, DAF, Kasr Al Aini.
- WHO consultant for management of HBV.
- Director of schistosomal liver unit, Cairo University (2006-2010).
- Director of international research unit-NHTMRI, MOHP.
- Head of gastroenterology and hepatology unit, Al Kahera El Fatymia specialized medicine hospital.
- Director of abdominal ultra-sonography training program, Egyptian medical syndicate.
- Coordinator of hepatogastroenterology post-graduate Courses, NTC, MOH.
- Director of liver unit, El Manial specialized hospital (2000-2004)
- Creator and Head of Kasr El Aini Viral Hepatitis Center (2010-till now).
- Vice president of Cairo university for graduate studies and research(2012- now)

JOURNAL EDITORIAL BOARD:

Liver International journal
Arab Journal of Gastroenterology

JOURNAL REVIEWER:

Digestive Disease and Science Journal
Journal of Viral Hepatitis.

INTERNATIONAL TEXT BOOK AUTHOR:

- **THREE DIMENSIONAL ULTRASONOGRAPH IN HEPATOGASTROENTEROLOGY**
- **ZAKIM AND BOYER'S HEPATOLOGY (SIXTH EDITION):** Chapter 35 - Parasitic Liver Disease, Pages 644-655, *Gamal Esmat*.

INTERNATIONAL PEER REVIEWED PUBLICATIONS

1. **Abdel-Wahab M, Esmat G, Milad M, Abdel Razek S, Strickland G (1989):** *Characteristic sonographic pattern of schistosomal hepatic fibrosis.* Am, J. Trop. Med Hyg, 40 (1), 72-6.
2. **Abdel-Wahab M, Esmat G, Narooz S, Yosery A, Struewing J, Strickland G(1990):** *Sonographic studies of school children in a village endemic for Schistosoma mansoni.* Transactions of the Royal Society Tropical Medicine 88, 69-73.
3. **Abdel-Wahab M, Esmat G(1992):** *The value of Ultrasonography in assessment of portal hypertension in hepatosplenic Schistosomiasis.* Mem. Inst. Oswaldo Cruz, Rio de Janeiro, vol.87 suppl. IV, pp. 143-7.
4. **Abdel-Wahab G, Esmat G, Strickland G (1992):** *Grading of Hepatic Schistosomiasis by the use of ultrasonography.* Am J Trop Med Hyg, 46(4): 403-8.
5. **Abdel-Wahab M, Esmat G, Ramzy I, Fouad R, Abdel-Rahman M, Yosery A, Narooz S, Strickland G(1992):** *Schistosoma haematobium infection Egyptian school children: Demonstration of*

- both hepatic and urinary tract morbidity by ultrasonography*. Transactions of the Royal Society of Tropical Medicine and Hygiene, 86(4): 406-9.
6. **Bassily S, Strickland G, Abdel-Wahab M, Esmat G, Narooz S, El-Masr N., Constantine N, Pstruewing J (1992):** *Efficacy of Hepatitis "B" vaccination in primary school children from village endemic for Schistosoma mansoni*. Rio de Jenerio, vol. 87 suppl. I.V, pp. 143-7.
 7. **Abdel-Wahab M, Ramzy I, Esmat G, El-Kaffas H, Strickland G (1992):** *Ultrasound of detecting Schistosoma haematobium urinary tract complications comparison with Radiographic procedures*. The Journal of Urology, 148: 346-50.
 8. **Abdel-Wahab M, Esmat G, Farag A, El-Borey Y, Strickland G (1993):** *Ultrasonographic predictions of esophageal varices in Schistosoma mansoni* Am J of Gastroenterology ,88(4), 560-3.
 9. **Abdel-Wahab M, Yosery A, Narooz S, Esmat G, El Hak S, Nasif S, Strickland G(1993):** *Is Schistosoma mansoni replacing Schistosoma haematobium in Fayoum?* Am J Trop Med Hyg, 49(6): 560-3.
 10. **Abdel- Wahab M, Zakaria S, Kamel M, Abdel Khalq M, Mabrouk M, Salama H, Esmat G, Thomas D, Strickland G (1994):** *High seroprevalance of hepatitis C infection among risk groups in Egypt*. Am J Trop Med Hyg, 51(5):563-7
 11. **Kamel M, Miller F, El-Masry A, Zakaria S, Khatab M, Esmat G, Ghaffar Y(1994):** *Epidemiology of Schistosoma mansoni, hepatitis "B" and Hepatitis "C" infections in Egypt*. Annals of Tropical Medicine and Parasitology, 88, 501-9.
 12. **Bakr A, Khalil M, Esmat G (1997):** *Acute cholecystitis is an indication for laparoscopic cholecystectomy: a prospective study*. JSLS ; 1:119-124.
 13. **Abdel Wahab M, Esmat G, El Boraey Y, Ramzy I, Medhat E, Stuckland S (2000):** *The epidemiology of schistosomiasis in Egypt: methods, training and quality control of clinical and ultrasound examinations*. American J of Tropical Medicine and Hygiene, 62(2): 17-20.
 14. **Abdel Wahab M, Esmat G, Medhat E, Narooz S, Ramzy I, El Boraey Y, Stuckland S (2000):** *The epidemiology of schistosomiasis in Egypt: Menofia governorate*. American J of Tropical Medicine and Hygiene, 62(2): 28-34.
 15. **Abdel Wahab M, Esmat G, Ramzy I, Narooz S, Medhat E, Ibrahim M, El Boraey Y, Strickland S (2000):** *The epidemiology of schistosomiasis in Egypt: Fayoum governorate*. American J of Tropical Medicine and Hygiene, 62(2): 55-64.
 16. **Strickland GT, Elhefni H, Salman T, Waked I, Abdel-Hamid M, Mikhail N, Esmat G, Fix A (2002):** *Role of hepatitis C infection in chronic liver disease in Egypt*. Am J Trop Med Hyg, 67(4): 436-42.
 17. **Esmat G, Abouzied A, Mohamed MK, Abdel-Hamid M, Elrazki MS, Ismail SA, Abdel Aziz F, Mikhail N, Fix A, Strickland GT, Sjogren M (2002):** *Treatment with Peg Interferon alpha 2-b (PEG INF) plus ribavirin compared to Interferon alpha-2b (INF alfa-2b) plus Ribavirin on subjects with chronic hepatitis C infected with HCV genotype 4* . Hepatology, 36(4):364A
 18. **Esmat G, Zakaria S, Khatab H, Abdel-Hamid M, Anwar M, Elrazki MS, El-Daly M, Elkafrawi S, Hasan A, Shaheen A, Ismail SA, Sjogren M Abouzied A (2002):** *Impact of*

hepatitis C virus (HCV) genotype and viral load on the biochemical and histopathological liver profiles in Egyptian patients infected with HCV. Hepatology, 36(4):535A

19. **Esmat G, Abouzied AM, Ismail A, Saleh SM, Said M, Anwar M, Abdel Aziz F, Shaheen A, Ahmed RA, Abdel Hamid M, Zalata KR, Fix AD, Strickland GT, Sjogren M.** : *Treatment with peg-interferon alfa-2b (peg-Inf) plus ribavirin compared to interferon alfa-2b (Inf alfa 2b) plus ribavirin on subjects with chronic hepatitis c infected with HCV genotype 4.* Tropical Medicine and Hygiene. August 2002, Vol. 67 No. 2: 131-132
20. **Gamal Esmat, A.M Abouzied, Fatma Abdel-Aziz, M K Mohamed, Mohamed Abdel-Hamid, M S El Raziky, S A Ismail, K R Zalata, N N Mikhail** : *Treatment with peg-interferon alfa-2b (PEG-Inf) plus ribavirin compared to interferon alfa-2b (INF alfa-2b) plus ribavirin on subjects with chronic hepatitis c infected with HCV genotype 4.* Hepatology. October 2002, Vol. 36, No. 4, pt 2 of 2 : 364A
21. **G. Emsat, M. K. Mohamed, M. Abdel Hamid, K. Zalata, H. Khatab, M. El Batanony, A. M. Abouzied, M. El Raziky, A. M. Shaheen, A. Ismail. G.T. Strickland. A. Fix, M. Sjogren.** *The impact of steatosis on baseline characteristics and end of treatment response for chronic hepatitis (C) genotype 4 patients treated with interferon.* Journal of Hepatology. April 2003, Vol. 38, Supplement No.2, 139
22. **G. Esmat, M. Al Raziky, A. Abouzied, M. Kamal, M. Abdel Hamid, F. Abdel Aziz, A. A Shaheen, N. Mikhail, T. Strickland, M. Sjogren.** *Impact of schistosomal infection on interferon response in genotype 4 chronic hepatitis C patients.* Viral Hepatitis and Liver disease, April 2003, Sydney, Page 153
23. **G.E. Esmat et al,** *Sustained virological response (SVR) to pegylated interferon therapy in patients with genotype 4 chronic HCV.* Gut Supplement No.6, Vol. 52(2003)
24. **Gamal Esmat, Amr Abouzied, M Abdel-Hamid, M K Mohamed, K Zalata, M E El Raziky, S A Ismail, M Said, A Hasan, M Anwar, A Shaheen, F Abdel ziz, N N Mikhail, A Ismail, Alan Fix, Thomas G Strickland, Maria H Sjogren.** *Results of a randomized clinical trial of genotype 4 infected subjects when treated with standard or pegylated interferon alfa-2b in combination with ribavirin.* Hepatology, October 2003, Vol. 38, No. 4, Suppl. 1: 314A.
25. **M. S. El Raziky, M. El-Hawary, N. El- Koofy, S. Okasha, M. Kotb, K. Salama, G. Esmat, M. El- Raziky, A. M. Abouzied and H. El Karaksy (2004):** *Hepatitis C virus infection in Egyptian children: Single center experience.* Journal of Viral Hepatitis, 2004, 11, 471-6.
26. **Ola Nada, Mohamed Abdel-Hamid, Alaa Ismail, Laila El-Shabrawy, Karima F.S. Sidhom, Nafissa M.A. El-Badawy, Faten A.A. Ghazal. Mai El-Daly, Sherif El-Kafrawy, Gamal Esmat, Christopher A. Loffredo:** *The role of the tumor necrosis factor (TNF)-Fas L and HCV in the development of hepatocellular carcinoma,* Journal of Clinical Virology. 2005 in press.
27. **Esmat G,** Yosry A, El-Serafi M, Omar A, Doss W, Hosny A, Ghali A, Sabry H, Attia H, Kamel S, Said M, Gabali H, Lee SK, Tanaka K. *Donor outcomes in right lobe adult living donor liver transplantation: single-center experience in Egypt.* *Transplant Proc.* 2005 Sep;37(7):3147-50.

28. Bakr I, Rekacewicz C, El Hosseiny M, Ismail S, El Daly M, El-Kafrawy S, **Esmat G**, Hamid MA, Mohamed MK, Fontanet A. Higher clearance of hepatitis C virus infection in females compared with males. *Gut*. 2006 Aug; 55(8): 1183-7
29. Mohamed MK, Bakr I, El-Hoseiny M, Arafa N, Hassan A, Ismail S, Anwar M, Attala M, Rekacewicz C, Zalata K, Abdel-Hamid M, **Esmat G**, Fontanet A. HCV-related morbidity in a rural community of Egypt. *Med Virol*. 2006 Sep; 78(9): 1185-9.
30. **Zakaria S, Fouad R, Shaker O, Zaki S, Hashem A, El-Kamary SS, Esmat G, Zakaria S**. Changing patterns of acute viral hepatitis at a major urban referral center in Egypt. *Clin Infect Dis*. 2007 Feb 15; 44(4): e30-6
31. **Esmat, G Metwally M, Zalata KR, Gadalla S, Abdel-Hamid M, Abouzied A, Shaheen AA, El-Raziky M, Khatab H, El-Kafrawy SMikhail N, Magder LS, Afdhal NH, Strickland GT**. *Evaluation of serum biomarkers of fibrosis and injury in Egyptian patients with chronic hepatitis C. J hepatol*. 2007, Apr; 46(4): 620-7, Epub 2007 Jan 24.
32. **Abdel-Hamid M, El-Daly M, Molnegren V, El-Kafrawy S, Abdel-Latif S, Esmat G, Strickland GT, Loffredo C, Albert J, Widell A**. Genetic diversity in hepatitis C virus in Egypt and possible association with hepatocellular carcinoma. *J gen virol*. 2007 May; 88(Pt 5): 1526-31.
33. **El-Raziky MS, El-Hawary M, Esmat G, Abouzied AM, El-Koofy N, Mohsen N, Mansour S, Shaheen A, Abdel Hamid M, El-Karakasy H**. Prevalence and risk factors of asymptomatic hepatitis C virus infection in Egyptian children, *World J Gastroenterol*. 2007 Mar 28; 13(12): 1828-32.
34. **El-Karakasy H, Nomachi S, Esmat G, El-Serafy M, Kamel RR, El-Ansary A, Refaat S, Tanaka K**. Equal outcome of living-related liver transplantation for Wilson's disease from heterozygote and nonheterozygote donors: A report of a brother and sister, *Indian J Med Sci*. 2007 May; 61(5): 286-8.
35. **El-Hawary MA, El-Raziky MS, Esmat G, Soliman H, Abouzied A, El-Raziky M, El-Akel W, El-Sayed R, Shebl F, Shaheen AA, El-Karakasy H**. Assessment of hepatic fibrosis in pediatric cases with hepatitis C virus in Egypt. *World J Gastroenterol*. 2007 May 28; 13(20): 2846-51. PMID: 17569121 [PubMed - in process]
36. **Zekri AR, Haleem HA, Esmat GE, Bahnassy AA, El-Din HM, Hafez MM, Sharaby AF, Sharaf H, Zakaria MS**. Immunomodulators, sFas and Fas-L as potential noninvasive predictors of IFN treatment in patients with HCV genotype-4. *J Viral Hepat*. 2007 Jul; 14(7): 468-77.
37. **Sylvia Males, Rita Raafat Gad, Gamal Esmat, Hasan Abobakr, Mohamed Anwar, Claire Rekacewicz, Mostafa El Hoseiny, Khaled Zalata, Mohamed Abdel-Hamid, Pierre Bedossa, Stanislas Pol, Mostafa K Mohamed and Arnaud Fontanet**. Serum alpha-foetoprotein level predicts treatment outcome in chronic hepatitis C. *Antiviral Therapy* 2007; 12: 797-803.
38. **Ashraf A. Tabll, Samy B. Khalil, Reem M. El-Shenawy, Gamal Esmat, Amr Helmy, Abdel Fattah Attallah, and Mostafa K. El-Awady**. Establishment of Hybrid Cell Lines Producing Monoclonal Antibodies to a Synthetic Peptide from the E1 Region of the Hepatitis C Virus, *Journal of Immunoassay & Immunochemistry*, 29: 91–104, 2008.
39. **Yosry A, Abdel-Rahman M, Esmat G, El-Serafy M, Omar A, Doss W, Zayed N, Said M, Ismail T, Hosny A, Marawan E, El-Malt O, Kamel RR, Hatata Y, El-Taweel A, Ghali A, Sabri H, Kamel S, El-Gabaly H**. Recurrence of hepatitis C virus (genotype 4) infection after living-donor liver transplant in Egyptian patients. *Exp Clin Transplant*. 2009 Sep; 7(3): 157-63.

40. **Esmat G, El Akel W, Metwally M, Soliman A, Doss W, Hamid MA, Kamal M, Zalata K, Khattab H, El-Kassas M, Esmat M, Hasan A, El-Raziky M.** Improvement of steatosis after interferon therapy in HCV genotype 4 is related to weight loss. *Indian J Gastroenterol.* 2009 Mar-Apr; 28(2): 45-8.
41. **Shiha G, Sarin SK, Ibrahim AE, Omata M, Kumar A, Lesmana LA, Leung N, Tozun N, Hamid S, Jafri W, Maruyama H, Bedossa P, Pinzani M, Chawla Y, Esmat G, Doss W, Elzanaty T, Sakhuja P, Nasr AM, Omar A, Wai CT, Abdallah A, Salama M, Hamed A, Yousry A, Waked I, Elshahar M, Fateen A, Mogawer S, Hamdy H, Elwakil R;** Jury of the APASL Consensus Development Meeting 29 January 2008 on Liver Fibrosis With Without Hepatitis B or C. Liver fibrosis: consensus recommendations of the Asian Pacific Association for the Study of the Liver (APASL). *Hepatol Int.* 2009 Jun; 3(2): 323-33.
42. **El Makhzangy H, Esmat G, Said M, Elraziky M, Shouman S, Refai R, Rekacewicz C, Gad RR, Vignier N, Abdel-Hamid M, Zalata K, Bedossa P, Pol S, Fontanet A, Mohamed MK.** Response to pegylated interferon alfa-2a and ribavirin in chronic hepatitis C genotype 4. *J Med Virol.* 2009 Sep; 81(9):1576-83.
43. **El-Kamary SS, Shardell MD, Abdel-Hamid M, Ismail S, El-Ateek M, Metwally M, Mikhail N, Hashem M, Mousa A, Aboul-Fotouh A, El-Kassas M, Esmat G, Strickland GT.** A randomized controlled trial to assess the safety and efficacy of silymarin on symptoms, signs and biomarkers of acute hepatitis. *Phytomedicine.* 2009 May; 16(5): 391-400.
44. **Abdel-Rahman N Zekri, Hanaa M Alam El-Din, Abeer A Bahnassy, Naglaa A Zayed, Waleed S Mohamed, Suzan H El-Masry, Sayed K Gouda and Gamal Esmat.** Serum levels of soluble Fas, soluble tumor necrosis factor-receptor II, interleukin-2 receptor and interleukin-8 as early predictors of hepatocellular carcinoma in Egyptian patients with hepatitis C virus genotype-4. *Comp Hepatol.* 2010 Jan 5; 9.
45. **El-Karakasy HM, Anwar G, Esmat G, Mansour S, Sabry M, Helmy H, El-Hennawy A, Fouad H.** Prevalence of hepatic abnormalities in a cohort of Egyptian children with type 1 diabetes mellitus. *Pediatr Diabetes.* 2009 Dec 23.
46. **Zekri AR, Moharram RA, Mohamed WS, Bahnassy AA, Alam El-Din HM, Abo-Shadi MM, Zayed NA, El-Magzangy H, Abdel-Aziz AO, Esmat G.** Disease progression from chronic hepatitis C to cirrhosis and hepatocellular carcinoma is associated with repression of interferon regulatory factor-1. *Eur J Gastroenterol Hepatol.* 2009 Oct 26.
47. **Zekri AR, Alam El-Din HM, Bahnassy AA, Zayed NA, Mohamed WS, El-Masry SH, Gouda SK, Esmat G.** Serum levels of soluble Fas, soluble tumor necrosis factor-receptor II, interleukin-2 receptor and interleukin-8 as early predictors of hepatocellular carcinoma in Egyptian patients with hepatitis C virus genotype-4. *Comp Hepatol.* 2010 Jan 5; 9(1): 1.
48. **Mohammed RH, Elmakhzangy HI, Gamal A, Mekky F, El Kassas M, Mohammed N, Hamid MA, Esmat G.** Prevalence of rheumatologic manifestations of chronic hepatitis C virus infection among Egyptians. *Clin Rheumatol.* 2010 Apr 22.
49. **Mostafa A, Mohamed MK, Saeed M, Hasan A, Fontanet A, Godslan I, Coady E, Esmat G, El-Hoseiny M, Abdul-Hamid M, Hughes A, Chaturvedi N.** Hepatitis C infection and clearance: impact on atherosclerosis and cardiometabolic risk factors. *Gut.* 2010 Aug; 59(8): 1135-40.
50. **Wiersma ST, McMahon B, Pawlotsky JM, Thio CL, Thursz M, Lim SG, Ocamo P, Esmat G, Maimuna M, Bell D, Vitoria M, Eramova I, Lavanchy D, Dusheiko G.** Treatment of chronic hepatitis B virus infection in resource-constrained settings: expert panel consensus. *Liver Int.* 2010 Nov 28.

51. **Fathy A, Eldin MM, Metwally L, Eida M, Abdel-Rehim M, Esmat G.** Interferon therapy shifts natural killer subsets among Egyptian patients with chronic hepatitis C. *Braz J Infect Dis.* 2010 Aug; 14(4): 398-405.
52. **El-Karaksy H, Anwar GH, El-Raziky MS, El-Hawary M, Hashem M, El-Sayed R, El-Shabrawi M, Mohsen N, Fouad H, Esmat G.** Anti-HCV prevalence among diabetic and non-diabetic Egyptian children. *Curr Diabetes Rev.* 2010 Nov; 6(6): 388-92.
53. **El-Karaksy HM, Anwar G, Esmat G, Mansour S, Sabry M, Helmy H, El-Hennawy A, Fouad H.** Prevalence of hepatic abnormalities in a cohort of Egyptian children with type 1 diabetes mellitus. *Pediatr Diabetes.* 2010 Nov; 11(7): 462-70
54. **Zekri AR, Moharram RA, Mohamed WS, Bahnassy AA, Alam El-Din HM, Abo-Shadi MM, Zayed NA, El-Magzangy H, Abdel-Aziz AO, Esmat G.** Disease progression from chronic hepatitis C to cirrhosis and hepatocellular carcinoma is associated with repression of interferon regulatory factor-1. *Eur J Gastroenterol Hepatol.* 2010 Apr; 22(4): 450-6.
55. **Bader el-Din NG, Abd el-Meguid M, Tabll AA, Anany MA, Esmat G, Zayed N, Helmy A, el-Zayady AR, Barakat A, el-Awady MK.** Human cytomegalovirus infection inhibits response of chronic hepatitis-C-virus-infected patients to interferon-based therapy. *J Gastroenterol Hepatol.* 2011 Jan; 26(1): 55-62.
56. **El Awady MK, Anany MA, Esmat G, Zayed N, Tabll AA, Helmy A, El Zayady AR, Abdalla MS, Sharada HM, El Raziky M, El Akel W, Abdalla S, Bader El Din NG.** Single nucleotide polymorphism at exon 7 splice acceptor site of OAS1 gene determines response of hepatitis C virus patients to interferon therapy. *J Gastroenterol Hepatol.* 2011 May; 26(5): 843-50.
57. **Hashem M, El-Karaksy H, Shata MT, Sobhy M, Helmy H, El-Naghi S, Galal G, Ali ZZ, Esmat G, Abdelwahab SF, Strickland GT, El-Kamary SS.** Strong hepatitis C virus (HCV)-specific cell-mediated immune responses in the absence of viremia or antibodies among uninfected siblings of HCV chronically infected children. *J Infect Dis.* 2011 Mar 15; 203(6): 854-61.
58. **Zakhari S, Esmat G, Friedman S.** Introduction to the symposium. *Alcohol Clin Exp Res.* 2011 May; 35(5): 775.
59. **El Tayebi HM, Salah W, El Sayed IH, Salam EM, Zekri AR, Zayed N, Salem ES, Esmat G, Abdelaziz AI.** Expression of insulin-like growth factor-II, matrix metalloproteinases, and their tissue inhibitors as predictive markers in the peripheral blood of HCC patients. *Biomarkers.* 2011 Jun; 16(4): 346-54.
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Gamal Esmat Bibliography

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3/1/2012

A handwritten signature in black ink, appearing to read 'Gamal Esmat', written over a horizontal dotted line.