



Contact Information

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Title: Professor and Head of Pathology Department

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Education

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| (1985) | M.B.B.Ch, Ain Shams University | (Very Good). |
| (1989) | M.Sc. Anatomy, Mc Gill University, Canada | (Very Good) |
| (1993) | Ph.D. Pathology, McGill University, Canada | (Very Good) |
| (2017) | Leadership Program, The Arabic Group for Studies, Ain Shams University | |
| (2021) | Strategic Planning, National Authority for Quality Assurance and Accreditation of Higher Education (NAQAA) | |
| (2021) | Self-Evaluation: Faculties and Institutes of Higher Education (NAQQA) | |

Membership

- 1) European Society of Pathology
- 2) Egyptian Society of Pathologists
- 3) Egyptian Committee for Pathology Training
- 4) Society of Liver Patients' Friends
- 5) Supreme Council of Universities, Committee for Promoting Pathology Professors
- 6) Institute Research Ethics Review Board, NLI, Menoufia University

Awards and Grants

- (2018) Best Abstract Award, Hepatology on the Nile 6
- (2017) Best Abstract Award, Hepatology on the Nile 5
- (2015) Best Abstract Award, Hepatology on the Nile 3
- (2010) Ideal Doctor, Menoufia Medical Syndicate
- (2010) Travel Award, APASL, Beijing China
- (1998/99) Honorary Research Fellow
Institute of Hepatology, University College London, UK
- (1992) James Douglas Fellowship
Department of Pathology, McGill University, Canada
- (1991) Sandoz Travel Award
Ninth International Symposium on Atherosclerosis, Chicago, Illinois
- (1989) One of the six finalists for the Jan Langman Award. 102 American
Association of Anatomists Meeting. New Orleans, Louisiana, USA

Reviewer in National & International Journals

World Journal of Hepatology (Editorial Board Member)

APMIS (Acta Pathologica, Microbiologica et Immunologica Scandinavica)

Gastroenterology and Hepatology Research

International Journal of Immunological Research & Reviews

Egyptian Liver Journal

Egyptian Journal of Pathology

Menoufia Medical Journal

Benha Medical Journal

Research Interest

Pediatric Liver Pathology: including biliary atresia, congenital hepatic fibrosis, metabolic liver storage diseases, autoimmune hepatitis, fatty liver diseases, non specific hepatitis and liver tumors in children.

Hepatitis C virus infection: immune mediating host response, interferon therapy, Direct antiviral acting drugs and consequences.

Hepatic progenitor cells in liver diseases in children and adults

Hepatic fibrosis: progression, regression and complications, evaluation post DAA

Hepatocellular carcinoma; Patho-physiology, biology and prognostic factors.

Liver Transplantation Pathology: histopathological changes, immune mediators, cholestasis post liver transplantation, infection, recurrent primary disease

Career History

Aug 2012 – onwards

Chairman of Pathology

National Liver Institute, Menoufia University

Aug 2009 – present

Professor of Pathology

National Liver Institute, Menoufia University

July 2004 – July 2009

Assistant Professor of Pathology

National Liver Institute, Menoufia University

Oct 1998 – Oct 1999

Honorary Research Fellow

Institute of Hepatology, University College London, London, UK

Immunopathogenesis of autoimmune hepatitis in children

Tolerance and rejection post liver transplantation

Jan 1994 – Jan 2014

Research Advisor

National Research Center, Cairo, Egypt,

Department of Chemistry of Medicinal Plants

Bioassay guided fractionation of medicinal plants with potential liver protection. Applying in-vitro system on monolayer of hepatocytes cultured from rat liver.

Sept 1987– Jun 1993

Research Assistant

PhD Student, McGill University, Department of Pathology

Montréal, Canada

smooth muscle culture from deendothelialized aortas of rabbits

monocyte-derived macrophage culture

isolation of proteoglycans from atheromatous lesions

characterization of proteoglycans, lipoproteins in atheromatous plaque

MSc Student, McGill University, Department of Anatomy

Demonstrator of Anatomy for Dentistry students

Whole mount examination of seminiferous tubules of rats treated with vitamin A deficient diet and rats treated with retinol. Electron

Microscopy of thin sections from rats treated with vitamin A deficient diet and investigating the blood testis barrier.

Conferences and Workshops (Last 10 years)

Date	Avenue	Conference name	Type of Presentation
March 2010	Beijing, China	APASL (Asian Pacific Association of the Study of Liver)	Oral Hepatocyte growth factor in chronic HCV infection
April 2011	Cairo Convention Centre	31 st Laboratory Medicine Conference	Oral Fibrosis regression in children with AIH responding to treatment
May-June 2014	London, UK	ILT (International Liver Transplantation) Conference	Poster
May 2015	Grand Hotel, Cairo, Egypt	15 th International Conference of Hepato-pancreatico-biliary Surgery	Oral Role of Pathology in Liver transplantation
April 2016	Cairo, Egypt	ECPT (Egyptian Committee for Pathology Training) Workshop on Liver Pathology	4 Lectures: 1. Pediatric liver ds 2. Autoimmune Liver ds 3. Chronic liver ds 4. Role of pathology in liver transplantation 2 Slide Seminars
Sept. 2017	Amsterdam RAI, The Netherlands	ECP (European Congress of Pathology)	Poster
Nov. 2017	Egyptian Training Centre, Nasr City, Cairo	Egyptian Society of Pathology-ECPT	Lecture Practical approach to liver biopsy Interpretation
May 2018	Grand Hotel, Cairo, Egypt	18 th International Conference of Hepato-pancreatico-biliary Surgery	Oral Liver Pathology in Hepatocellular carcinoma
Dec. 2018	Grand Hotel,	Hepatology on the Nile 6	Oral

	Cairo, Egypt		New Insights in the pathogenesis of NAFLD
Feb. 2019	Alexandria, Egypt	The 9 th International Pathology Conference	Session Chair
April 2019	Holiday Inn, Nasr City, Cairo	Hepatocellular Carcinoma (HCC) Workshop	Oral Pathological Challenge in the diagnosis of HCC in liver biopsy
Sept.2019	Al Manara Convention Centre, Cairo	Egy Health, Laboratory Medicine Conference	Session Chair
Feb.2020	Faculty of Medicine, Tanta University	The 35 th Annual Congress, Faculty of Medicine, Tanta University	Oral Recent Advances in Pathology of Pediatric Liver Tumors

National Research Projects' Contribution

- 1) **Project title:** Technological development of Egyptian Medicinal Plants for the Treatment of Liver Diseases
 - a. Japan Society for the Promotion of Science (JSPS), **(2007/2009)**
 - b. University of Toyama, Institute of Natural Medicine, Sugitani, Toyama, Japan
 - c. Core Institution in Egypt: National Research Centre, Cairo, Egypt.
- 2) **Project title:** Development of a Natural Product as Potential Sources of Lead Compound for Fatty Liver **(2009/2011)**. National Research Centre, Cairo, Egypt
- 3) **Project title:** Cytokine genes (TGF-beta 1, IFN gama, IL-10, IL-28B and TNF alpha) polymorphism as a predictor of response to interferon therapy in HCV infected patients. **STDF: 1482, (2010-2013)**
- 4) **Project title:** Natural History of chronic hepatitis C development and progression as a consequence of Iron and HFE or TfR1 mutations. **STDF: 3257, (2012-2015)**

- 5) **Project title:** The prognostic value of Epithelial Mesenchymal transition markers in hepatocellular carcinoma in Egypt. **STDF:4719, (2014-2018)**

Publications

1. FIB-5 versus FIB-4 index for assessment of hepatic fibrosis in chronic hepatitis B affected patients. Metwally K, Elsabaawy M, Abdel-Samiee M, Morad W, **Ehsan N**, Abdelsameea E. *Clin Exp Hepatol* 2020;6:4335-338.
2. Elhaddad O, Abdelsameea E, Elsabaawy M, Abdallah A, Shaban A, **Ehsan N**, Elrefaey A, Elsabaawy D, Salama M. Presentations, causes and outcomes of drug-induced liver injury in Egypt. *Scientific Reports* 2020; 10:5124-5136.
3. Abdelsameea E, Elsebaey A, **Ehsan N**, Elrefaey A, Aboeela K, Ibrahim E, Elsabaawy M. Liver biopsy is still needed in liver transplantation recipients: a single center experience. *Eg Liver J* 2020;10:18-27
4. Ayman Elsebaey, Wael Abdel-Razik, Eman Abdel-sameae, **Nermine Ehsan**, Imam Waked. Elastography and Serum Markers of Fibrosis versus Liver Biopsy in 1270 Patients with Hepatitis C. *EJGH* 2019
5. Agina Hala, **Ehsan Nermine**, Abd-Elaziz Taghreed, Abd-Elfattah Ghada, Said Eman, Sira Mostafa. Hepatic expression of programmed death-1 (PD-1) and its ligand, PD-L1, in children with autoimmune hepatitis: relation to treatment response. *Clinical & Experimental Hepatol* 2019;5,3:256-264.
6. Khedr M, Adawy N, Behairy B. Ehsan N, El-Refaei A, Abou-Shaabab F. Hepatic expression of Integrin beta-8 protein as a risk factor in infants with biliary atresia. *Alexa Med J* 2019 in press
7. Asmaa Gomaa, **Nermine Ehsan**, Ahmed El-Refaei, Mervat Sultan and Maha Elsabaawy. The Role of Monocyte/Macrophage and CXCR3 in Differentiation between Recurrent Hepatitis C and Acute Cellular Rejection Post-liver Transplantation. *Immunology Research* 2018;1-7
8. Shaalan U , Ibrahim N, **Ehsan N**, Sultan M, Naser G, Abd El-Fatah M. Reduced Immunohistochemical Expression of Hnf1 β and FoxA2 in Liver Tissue Can Discriminate Between Biliary Atresia and Other Causes of Neonatal Cholestasis. *AIMM* 2018:1-7.
9. Helal T, **Ehsan N**, Radwan N, Abdelsameea E. Relationship between hepatic progenitor cells and stellate cells in chronic hepatitis C genotype 4. *APMIS* 2018;126:14-20
10. El-Sabaawy M, Abdelsameea E, Abdallah A, El-Refaei A, Sultan M, **Ehsan N**. Hepatic Progenitor cells and cells resistant to apoptosis in chronic HCV. *J Mol Biomarkers Diagnosis* 2017;8(5):352-356.
11. Rewisha W, El-Sabaawy M, El-Sebaey A, Tharwa E, Elmazaly M, Badran H, **Ehsan N**. Evaluation of liver and spleen transient elastography in the diagnosis of esophageal varices. *J Gastrointest Disord Liver Func.* 2016;2(3):1-6.
12. El-Haddad O, El-Sabaawy M, El-Sharawy O, **Ehsan N**, Maher D, Elazab D, Rewisha E. Congenital hepatic fibrosis (CHF): A report of two cases and an overview. *Ann Clin Lab Research* 2017;5(1):152-157.

13. El-Haddad O, El-Sabaawy M, Rewisha E, Salman T, Kohla M, **Ehsan N**, Waked I. Khat induced-liver injuries: A report of two cases. *Arab J Gastroenterol* 2016;17:45-48.
14. Rewisha E, Elsabaawy M, Alsebaey A, **Ehsan N**. Evaluation of the Role of Liver and Splenic Transient Elastography in Chronic Hepatitis C Related Fibrosis.. *J Liver Disease Transplant* 2016;5:3-9
15. **Ehsan N**, Elsabaawy M. Pathogenesis of HCV and liver Fibrosis. *Gastroenterol Hepatol.* 2016;5(3):1-6
16. Fayed N, Elsayed E, Saleh S, **Ehsan N**, Elfert A. Effect of Dexmedetomidine on Hepatic Ischemia Reperfusion Injury in the Setting of Adult Living Donor Liver Transplantation. *Clinical transplantation* 2016;30:470-482
17. Elguindi M, Sira M, Hussein M, **Ehsan N**, Elsheikh N. Hepatic immunohistochemistry of bile transporters in progressive familial intrahepatic cholestasis *Annals Hepatol* 2016;15(2):222-229
18. Saleh M, Hassanein H, Abdelmohsen M, Shams K, **Ehsan N**, Hammouda F. Comparative analysis of biological activity of Silybum marianum L. Food supplements available on market: Invitro study. *Internatl J Pharmacy Pharmaceutical Sci* 2015; 7(11):55-60.
19. Abdou A, Assad N, **Ehsan N**, Younes S, Gomaa A, Elgendy W. The Diagnostic Impact of C4d, CD68, and NF-kB Expression in the Differentiation Between Recurrent Hepatitis C and Acute Cellular Rejection After Liver Transplantation. *AIMM* 2015;1-9.
20. Sira M, Sira A, **Ehsan N**, Mosbeh A. P-selectin (CD62P) Expression in Liver Tissue of Biliary Atresia. *J Pedia Gastroenterol Nutrition* 2015;
21. El-Araby H, **Ehsan N**, Konsowa H, Abd-Elaati B, Sira A. Hepatic progenitor cells in children with chronic hepatitis C: Correlation with histopathology, viremia, and treatment response. *Eur J Gastroenterol Hepatol* 2015; 27(5):561-9.
22. Kohla M, El-Said H, El-Fert A, **Ehsan N**, Ezzat S, Taha H. P1104 IMPACT OF NITAZOXANIDE IN COMBINATION WITH PEGYLATED INTERFERON AND RIBAVIRIN ON END-OF-TREATMENT RESPONSE (ETR) IN PATIENTS WITH CHRONIC HEPATITIS: A DOUBLE BLIND PLACEBO-CONTROLLED TRIAL. *Journal of Hepatology* 04/2014; 60(1):S446. (14)61264-
23. Abdou A, Assad N, **Ehsan N**, El-Tahmoudy M, El-Sabaawy M, El-Kholy S, Elnaaidany N. The role of IL-28, IFN-gama and TNF alpha in predicting response to pegylated interferon/ribavirin in chronic HCV patients. *APMIS*;2014:
24. Naghi S, Abdel-Ghaffar T, El-Karakasy H, Abdel-Aty E, El-Raziky M, Allam A, Helmy H, El-Araby H, Behairy B, El-Guindi M, El-Sebaie H, Abdel-Ghaffar A, **Ehsan N**, El-Hennawy A, Sira M. Safety and efficacy of Hansenula-derived PEGylated-interferon alpha-2a and ribavirin combination in chronic hepatitis C Egyptian children. *World J Gastroenterol* 2014; 20(16):4681-4691.
25. Sira M, El-Guindi M, Saber M, **Ehsan N**, Rizk M. Differential hepatic expression of CD56 can discriminate biliary atresia from other neonatal cholestatic disorders. *Eur J Gastroenterol Hepatol* 2012; 24(10):1227-33.
26. El-Sayed I. Salamaa · Nermine A. **Ehsan** · Behairy E. Behairy · Mohsen H. Hussein Menan E. Salema Improvement of the histopathology on a maintenance regimen in children with autoimmune hepatitis. *Eastern Journal of Medicine* 01/2011; 16(178-187).

27. Naglaa Allam, Gaser Elazab, Maathir Kamel, Ayman Kelany, Ashraf Dawood, **Nermine Ehsan**, Ahmed El-Refaei, Khaled Gameel. Noninvasive assessment of hepatic fibrosis and necroinflammatory activity in Egyptian patients with chronic hepatitis C virus infection and Schistosomiasis using FibroTest and ActiTest. *Kasr El Aini Medical Journal* 2011;17(2):1-10
28. Alaa Tawfeek Refaat · Abdelaaty Abdelaziz Shahat · **Nermine Ahmed Ehsan** · Nemat Yassin · Faiza Hammouda · Elsayed Abou Tabl · Shams Imbabi Ismail · Phytochemical and biological activities of *Crataegus sinaica* growing in Egypt. *Asian Pacific Journal of Tropical Medicine* 04/2010; 3(4):257-261. DOI:10.1016/S1995-7645(10)60062-4
29. M Abd El-Mohsen · M Spencer · **N Ehsan** · A Hussein · F Hammouda · M Hifnawy · S Ismail · Antioxidant and hepatoprotective activities of terpenoids isolated from *Salvia multicaulis* Vahl. *Planta Medica* 07/2009; 75(09). DOI:10.1055/s-0029-1234535 ·
30. **Ehsan N**, Badr M, Raouf A, Badra G. Correlation between liver biopsy findings and different serum biochemical tests in staging fibrosis in Egyptian patients with chronic hepatitis C virus infection. *Arab J Gastroenterol* 2008;9(1):7-12
31. **Nermine Ehsan**, Amira Gamal and Iman Seleit Neuropeptides and Acne Vulgaris: An Immunohistochemical Study for Pathological Implication. *J Pan Arab League Dermatol* 2006;17(3): 17-26.
32. **Nermine Ehsan**, Bernard Portman, Munther Hussain, Robert Williams, Om Kolsoum El Hadad, Olfat Hendy and Diego Vergani Immunohistochemical Analysis of Tissue Cytokines In the Liver of Patients with Chronic Hepatitis C Virus Infection. *Egyptian J Path* 2006;26(2):137-142
33. Olfat M. Hendy, Om Kolsoum EL Haddad, **Nermine A Ehsan** , Jehan A. EL-Sharnouby The Diagnostic and Prognostic Significance of Circulating and Intrahepatic Endoglin In Liver Fibrosis Associated HCV Infection. *Afro-Arab Liver Journal* 2008;7(1):
34. **Nermine Ehsan**, Olfat Hendy, Om Kolsoum El Hadad and Gamal Badra Angiotensin Converting Enzyme-2 and Transforming Growth Factor beta-1 are overexpressed during fibrogenesis in liver tissue of patients with chronic hepatitis C virus infection. *Afro-Arab Liver Journal* 2007;6 (1-2):28-33.
35. Allam N, Salman T, El Azab G, **Ehsan N**, Hossam N and El Haddad O Relation of serum Resistin concentration to steatosis and insulin sensitivity in patients with chronic hepatitis C *Alexandria Journal* 2007;III(3):52-61
36. **Nermine Ehsan**, Mohamed Badr, Amany El-Refaei and Inas El-Attar Diffuse large B cell lymphoma of the liver: Immunophenotypic profile, biological properties and association to Hepatitis C virus infection. *J Egypt Soc Path* 2005;25(1): 61-66
37. Hanaa Badran, Eman Gawish, **Nermine Ehsan** and Khaled Gameel Serum adiponectin and HCV induced hepatic steatosis in Egyptian chronic hepatitis C patients. *Sc.J. Az. Med. Fac. (Girls)*2005;26(2):1071-1085
38. Olfat Hendy, Mona Ramadan, Wagida Abou Raya and **Nermine Ehsan**. Immunological profile of expanded B lymphocytes and their subsets in peripheral blood of chronic hepatitis C infected patients. *Egypt. J. Lab. Med.* 2005;17(3):241-254.
39. **Nermine Ehsan**. Phenotypic properties of vascular smooth muscle cells during atherogenesis. *J. Egypt Soc. Path* 2000; 20(1):91-96.
40. Seleit I, Nazif N, **Ehsan N** and El Misiry M. Essential fatty acids and acne vulgaris: an implication for pathogenesis. *J Pan Arab League Dermatol* 1998;9 (2):37-49.

41. Seleit I, El Mishad M, **Ehsan N** and Farid A Angiogenesis and immunomodulating cytokines in Psoriasis. *J Pan Arab League Dermatol* 1998;9 (1):63-73.
42. **NERMINE A. EHSAN ISMAIL · FASAHAT WASTY · SEAN MOORE· MISBAHUDDIN ZAFAR ALAVI** Injury-induced alterations in newly synthesized sulphated proteoglycans from rabbit arterial neointima covered by regenerated endothelium. *Internatl J Exp Pathol* 1997;78(2):71-79.
43. **Nermine A. Ehsan** Ismail · Misbahuddin Zafar Alavi · Sean Moore·Isolation Of Lipoprotein-Proteoglycan Complexes From Balloon Catheter Deendothelialized Aortas And The Uptake Of These Complexes By Blood Monocyte-Derived Macrophages. *Pathology* 1994; 26(2):145-53.
44. **Nermine A. Ehsan** Ismail · Misbahuddin Zafar Alavi · Sean Moore· Lipoprotein-proteoglycan complexes from injured rabbit aortas accelerate lipoprotein uptake by arterial smooth muscle cells. *Atherosclerosis* 01/1994; 105(1):79-87.
45. Misbahuddin Z. Alavi · Fasahat Wasty · Zhihe Li · Zorina S. Galis · **Nermine Ismail** · Sean Moore Enhanced incorporation of [14C]glucosamine into glycosaminoglycans of aortic neointima of balloon-injured and cholesterol-fed rabbits in vitro. ·
46. **Ehsan Ismail N**, Morales CR. Effects of vitamin A deficiency on the inter-Sertoli cell tight junctions and on the germ cell population. *Nermine Ismail · Carlos R. Morales. Microscopy Research and Technique* 01/1992; 20(1):43-9.
47. **N Ismail** ,C. R. Morales ,Y Clermont. Role of spermatogonia in the stage-synchronization of the seminiferous epithelium in vitamin-A-deficient rats. *Internatl J Anat* 1990; 188(1):57-63.

Books Contribution

Role of Pathology in Liver Transplantation in *Liver Transplantation*; Ed: Abdeldayem H and Salah A; 2020:140-154.