

## Curriculum Vitae

**Name :** Gihan Mohamed Shehata Hassan , Female, Married

**Date of Birth :** October 22, 1973

**Current Occupations:**

Assisstant Professor, Bio-medical informatics & Medical Statistics department, Medical Research Institute, Alexandria University.

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**Duties of the present Job in Egypt**

\*Teaching & training of medical and paramedical Postgraduate students in statistical analysis of data, research design methods, systematic reviews and Meta analysis in medical.

\* Consultant for statistical analysis of differenr types of researches specifically postgraduate researches.

\*Organier and active participants in different workshops for teaching and training the candidates in different statistical programs and research methodology.

**\* Course coordinator for 4 courses:**

- Medical statistics for the master & diploma degree students
- Research design for the master & diploma degree students
- Survival analysis for the doctor degree students
- Systeamtic reviews and meta analysis for the doctor degree students.

**\*Supervision of Master and doctor degree theses.**

**Qualifications :**

- M. B. B. Ch. Excellent with Honour, November 1997. (Faculty of Medicine, Alexandria University)
- M. Sc. Public Health ( Biostatistics ), June 2005. ( High Institute of Public Health, Alexandria University),

Title of the thesis: Risk factors of infertility & probability of conception.

- Doctorate degree in Public Health, July 2009. ( Faculty of medicine, Alexandria University). Title of the thesis: Accuracy of trans-vaginal ultrasonography in postmenopausal bleeding: cross sectional & Meta analysis study.
- Assistant Professor June 2016.

#### **Professional Experience:**

1. Active participant in the activities of the Institute for Teaching, Training of postgraduate students in Medical and paramedical fields.
2. Assisstant professor June 2016
3. Lecturer, Bioinformatics & Medical Statistics department, October 2009 Medical Research Institute, Alexandria University.
4. Assistant Lecturer of Medical Statistics July 2005 - October 2009, Medical Research Institute, Alex. University.
5. Demonstrator, Jan. 2000-June 2005.
6. Turning House Officer March 1998 -March 1999.
7. General practionner in Ministry of Health May 1999- Jan. 2000.
8. Follow up clinic of Alexandria Cancer registry (2000-2005).
9. Member in American Statistical Association.
10. Member in Women's Health Promotion Society.
11. Specialist in Gynecology and Obstetrics

#### **Teaching activities :**

- 1-Teaching & Practical training of Bio-medical informatics, Medical statistics & Research Methodology (Design, Conduct and Interpretation), evidence based medicine and systematic reviews and meta analysis for Postgraduate Students in Medical research Institute, Alexandria University.
- 2- Teaching & Practical training Computer Application of Descriptive, analytical Statistics for postgraduate students.
- 3- Teaching & Active Participation in different workshops for training candidates on different statistical Programms for medical and paramedical staffs.

#### **Scientific activities :**

- Interpretation of the annual Reports of Alexandria Cancer Registry (2000-present).
- Active participation of training the candidates for different statistical analysis, research methodology, systematic reviews and meta analysis and evidence based medicine.
- Teaching Bioinformatics, Medical statistics, Research Methodology and Evidence Based Medicine for the postgraduate students (Diploma, Master & Doctorate degree in bio-medical informatics & Medical statistics).

#### **Theses :**

- Statistical Study of inertility in women attending El Shatby University Hospital: risk factors and probability of conception 2005 (Master Degree in Public Health, Biostatistics Subspeciality)
- Accuracy of transvaginal sonography in postmenopausal bleeding: Cross Sectional and Meta Analysis Study

2009.(Doctorate Degree in Public Health, Biostatistics Subspeciality)

- Accuracy of Interleukin-8 and Salivary Estradiol in prediction of preterm labor 2013. ( Master degree Gynecology and Obstetrics)

### **Training Courses :**

- 1- Bioinformatics intensive training course in 19th-22<sup>nd</sup> February 2006, ( Biotechnology training center, University of Alexandria).
- 2- Certificate of Achievement for satisfactory completion of the New Trends in Teaching, 3-5 June 2006, (Faculty and Leadership Development Center).
- 3- Certificate of Achievement for satisfactory completion of the Research Methodology, 6-9 May 2006, (Faculty and Leadership Development Center).
- 4- Certificate of Achievement for satisfactory completion of the Effective Presentation Skills, 17-19 June 2006, (Faculty and Leadership Development Center).
- 5- Certificate of Achievement for satisfactory completion of the Teaching With Technology, 27-29 June 2006, (Faculty and Leadership Development Center).
- 6- Certificate of Achievement for satisfactory completion of the Code of Ethics, 22, 23, 26 April 2006, (Faculty and Leadership Development Center).
- 7- Certificate of Achievement for satisfactory completion of the Effective Teaching Skills 9-14 April 2005, (Faculty and Leadership Development Center).
- 8- Certificate of Achievement for satisfactory completion of the Effective communication Skills 11-14 June 2005, (Faculty and Leadership Development Center).
- 9- Certificate of Achievement for satisfactory completion of the Financial & legal Affairs 8-10 March 2008, (Faculty and Leadership Development Center).
- 10-Certificate of Toefl Program on 24/4/2008, (Community Development Center), University of Alexandria.

11-التعلم الإلكتروني

12-الإدارة الجامعية

13-معايير الجودة في العملية التدريسية

14-النشر الدولي للبحوث العلمية

15-نظم الامتحانات و تقويم الطلاب

16-إدارة الوقت و الاجتماعات

17-القوانين و اللوائح الجامعية

١٨- تنفيذ المشروعات البحثية الممولة وإدارة الفريق البحثي

١٩- تصميم و انتاج المحتوى الرقمي

٢٠- القيادة و التفكير الاستراتيجي

٢١- تنمية مهارات القيادة التنفيذية

٢٢- الاختبارات الإلكترونية

### **Conferences:**

- 1- 10<sup>th</sup> Conference of the Medical Research Institute on Recent diagnostic and Therapeutic approaches, 8-10 October 2003.
- 2- 11<sup>th</sup> Conference of the Medical Research Institute on Evidence Based Medicine, 23-25 November 2005.
- 3- 12<sup>th</sup> Conference of the Medical Research Institute on Advances in Medical Research, 22-24 November 2006.
- 4- 4<sup>th</sup> international conference (16th conference of MRI) (2010): Advances in Medical research: Quality in postgraduate medical education
- 5- 5<sup>th</sup> international conference (17th conference of MRI) (2012): Advances in Medical research: Obesity
- 6- 6<sup>th</sup> international conference (18th conference of MRI) (2014): Advances in Medical research: Multi-disciplinary in cancer management
- 7- 6<sup>th</sup> annual meeting of the Middle Eastern association for Cancer Research, 3-5 December, 2016, Qatar University, Doha. The role of Cancer Registries in Epidemiological Studies and Biobanking: An Experience from Alexandria, Egypt.
- 8- Applied Microbiology & Food Microbiology-Madrid-Spain, 29 Nov-1 Dec 2017. Improving Physicians Adherence to Guidelines Regarding Antibiotics Use in Acute Respiratory Tract Infection in Adult Patients attending Ministry of Health Hospitals in Alexandria Egypt.
- 9- 4<sup>th</sup> Annual Congress of Women's Health Promotion Society, 5-6 Oct 2017
- 10- 26<sup>th</sup> European Congress of the EBCOG, March 2018, Paris. Randomized Controlled Trial comparing two laparoscopic Modalities for the management of Endometriomas in Infertile patients.

### **Computer Experience**

- 1- Sample size calculation, design and validation of study questionnaires.
- 2- Extensive experience in using **SPSS, EPI-Info, Excel and Power point** in statistical analysis and have the capability of transferring data between various types of statistical packages , and in analysis of research projects, interpretation of the data, writing the final reports .
- 3- Experience in using **Rev Man for Meta analysis, Comprehensive Meta analysis programs** in statistical analysis of data collected from systematic reviews.
- 4- Comprehensive Search on different Web Sites.

### **Clinical Experience:**

- Regular attendant of the follow up clinic of cancer patients , Medical research institute, Alexandria University,(about 2000 cancer patients of different types and stages per year).
- Specialist in Gynecology and Obstetrics .

### **Awards and Certificates:**

- 1- Certificate of active participation in training the candidates on **Evidence Based Medicine**, 26-27 November 2005 (Medical Technology Center, University of Alexandria).
- 2- Certificate of active participation in training the candidates on **Analysis Of Research Methods**, 8-9 & 15-16 August 2005 (Medical Technology Center, University of Alexandria).
- 3- Certificate of active participation in training the candidates on **Principles Of Medical Research**, 12-13 June 2006 (Medical Technology Center, University of Alexandria).
- 4- Certificate of active participation in training the candidates on **Analysis of Research Results**, 7-8 August 2006 (Medical Technology Center, University of Alexandria).
- 5- Certificate of active participation in training the candidates on **Evidence Based Medicine**, 11-13 December 2006 (Medical Technology Center, University of Alexandria).
- 6- Certificate of active participation in training the candidates on **Principles Of Medical Research**, 12-13 June 2006 (Medical Technology Center, University of Alexandria).
- 7- Certificate of active participation in training the candidates on **How to Write A Research proposal**, 8-9 January 2007 (Medical Technology Center, University of Alexandria).
- 8- Certificate of active participation in training the candidates on **Medical Research Methodology & Proposal Writing**, 6-10 May 2007 (Medical Technology Center, University of Alexandria).
- 9- Certificate of active participation in training the candidates on **Analysis of Research Results**, 9-10 July 2007 (Medical Technology Center, University of Alexandria).
- 10- Certificate of active participation in training the candidates on **Statistical Process Control For Health Care Quality Managment**, 25-26 July 2007 (Medical Technology Center, University of Alexandria).
- 11- Certificate of active participation in training the candidates on **Evidence based Clinical Guidelines**, 22-23 October 2007 (Medical Technology Center, University of Alexandria).
- 12- Certificate of active participation in training the candidates on **Data Analysis & Scientific writing**, 25-29 November 2007 (Medical Technology Center, University of Alexandria).
- 13- Certificate of active participation in training the candidates on **principles of Research & Proposal writing**, 11-15 November 2007 (Medical Technology Center, University of Alexandria).
- 15- Certificate of active participation in training the candidates on **Data Analysis & Scientific writing**, 24-28 february 2008 (Medical Technology Center, University of Alexandria).

### **Publications:**

- 1- **Risk factors for breast cancer in Egyptian postmenopausal females in Alexandria**  
**Bulletin of High Institute of Public Health 2011, 41 No.1**
- 2- **Abdominal Obesity and Endometrial Cancer in Egyptian Females with Postmenopausal Bleeding. Nutrition and Cancer. An International Journal-2011,63 No.8**
- 3- **Evaluation of the effectiveness of serum aromatase activity and tissue polypeptide specific antigen in the diagnosis of breast cancer and prediction of lymph node metastatic status**  
**Ain Shams Journal of surgery-2012,5 No.1**

- 4- **STUDY OF THE ROLE OF JEJUNAL SEROSAL PATCH IN THE MANAGEMENT OF LARGE GASTRODUODENAL PERFORATIONS.** The Egyptian Journal of surgery.2012,31 No.3
- 5- **CONSERVATIVE APPROACH IN THE MANAGEMENT OF ISOLATED PENETRATING LIVER TRAUMA.** Alexandria Journal of Medicine, 2013;49
- 6- **Comparing the Effect Of Increased Body Mass Index, Fatty Liver and Insulin Resistance on Chronic Hepatitis C Treatment Outcome.** Egyptian Journal of Obesity, Diabetes and Endocrinology 2013;3No1
- 7- **Determination of Gender and Handedness among Egyptians By Handprints and Fingers Dimensions.** The Egyptian Journal Of Forensic Sciences and Applied Toxicology,2013;13 No 2
- 8- *Association of Body Mass Index and Adipocytokines with Breast Cancer risk in Egyptian Premenopausal females in Alexandria, Egypt..* Bulletin of Alexandria , Faculty of Medicine 2010, 46 (4)
- 9- **Predictors of success of treatment of distal two thirds common bile duct strictures: A retrospective Cohort study over two years.** International Journal of surgery2016; 28: 106-111.
- 10- **Critical thinking and attitude of physicians toward evidence-based medicine in Alexandria, Egypt.** Journal of the Egyptian Public Health Association 2015, 90:115–120
- 11- **Accuracy of Combined Maternal Serum Interleukin-8 and Salivary Estriol in Prediction of Preterm Labor.** British Journal of Medicine & Medical Research 6(10): 978-986, 2015
- 12- **Assessment of Hypermethylation of RASSF1A and Protocadherin-10 Tumor Suppressor Genes in Breast Cancer Females: A Six-Year Disease-Free Survival Case-Control Study.** Middle East Journal of cancer, January 2016; 7 (1): 9-20
- 13- **A meta-analysis of the effect of different neuroprotective drugs in management of patients with traumatic brain injury.** Neurosurg rev. journal August 2016
- 14- **Determination of the predictive and prognostic values of polymorphism of some cell cycle genes in breast cancer.** International Journal of Basic and Applied Sciences 2016; 5 (2): 157-163.
- 15- **Aluminum in Food: Dietary exposure among adolescent residents in the food catering establishments in Alexandria, Egypt.** Global Journal of Pharmaceutical Education and Research December 2017; 6.
- 16- **Surgical outcome and survival analysis of pancreatco-gastrostomy after pancreaticoduodenectomy: A prospective study in a single arm institution.**Archieves of Clinical and Experimental Surgery 2018;7:133-146.
- 17- **Accuracy of Heparin Binding protein : as a new marker in prediction of acute bacterial meningitis.** Brazilian Journal of Microbiology 49S, 2018: 213-219.
- 18- **Assessment of the mass effect sign of high resolution computed tomography in prediction of cholesteatoma.** Journal of Computed Assisted Tomography, November 2018

- 19- **The Role of graft Reperfusion Sequence in the development of non anastomotic biliary stricture following orthotopic liver transplantation: A meta analysis. Hepato Biliary & Pancreatic Diseases International Journal 2019; 18: 4-11.**
- 20- **Laparoscopic versus open appendectomy for perforated appendicitis in adults: Randomized Controlled Trial. Surgical Endoscopy Journal, 28 May 2019**