

CURRICULUM VITAE

PERSONAL DETAILS:

Name : *Mona Mohamed Kamal ElDeeb*

Position : *Professor of Chemical Pathology*

Medical Research Institute

Alexandria University – Egypt

General specialization: *Clinical Pathology*

Specific specialization: *Chemical Pathology*

Address (work): Medical Research Institute hospital,
Chemical Pathology Department,
165 El-Horreya Street, POB: 21561,
Alexandria, Egypt

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Education:

- NOVEMBER 1996: MB ChB (with HONOR degree),
Faculty of medicine,
Alexandria University, Egypt.
- JUNE 2002: MASTER degree of chemical pathology (with
excellent digree)
Medical research institute,
Alexandria University, Egypt
- JULY 2010: Medical Doctor Degree of chemical pathology
Medical research institute,
Alexandria University, Egypt
- December 2018 Blood Banking Diploma CGBA3.333
Medical research institute,
Alexandria University, Egypt

Work experience:

▪ **As a resident in the chemical pathology department:**

Starting from 03/1999 and till 03/2002 I worked as a resident in the chemical pathology department, medical research institute hospital, Alexandria University.

- **As a trainer** in Chemical pathology department since 10/2002 till 8/ 2006
- **As an assistant lecturer** in Chemical pathology department since 8/2006 till 8/2010. I was involved in teaching the practical part of the teaching course of master degree.
- **As a lecturer** in Chemical pathology department since 8/2010 till 8/2016.

I am involved in the teaching lectures of elective courses , practical courses for both master and MD degrees students.

- Member of the Medical Research Institute Health Governance Unit.

▪ **As an assistant professor** in Chemical pathology department since 8/2016 till 9/2022 .

- Involved in the teaching lectures of elective courses , practical courses for both master and MD degrees students.
- Master and MD student supervision , training courses in infection control and as a part of infection control committee
- Member of the accreditation team work currently working in the medical research institute , dealing with the lab chemical quality essential for MRI laboratories accreditation process.
- Participated in Chemical Pathology Department Accreditation as a part of Higher Education Institutes Labs Accreditation Project
- Head of the infection control and safety team of the lab and active team member of Medical Research Institute infection control committee.
- Member of the Quality Unit in Medical Research Institute , involved in internal auditing of exams in addition participated in writing and evaluating quality standards of MRI, also participated in Medical Research Institute accreditation for both teaching and academic standards.
- Additionally I have experience in clinical correlation dealing with and responsible for releasing patients results.
- Involved in many research work done on several diseases such as diabetes mellitus , hepatitis C virus , cancer breast and tuberculosis using variable techniques including : PCR, atomic absorption spectrophotometry , chemiluminascence , ELISA. Several molecular biology techniques (PCR conventional & real time, genotyping and epigenetic studies) in addition to routine lab investigations.

▪ **As a professor** in Chemical pathology department since 27/9/2022 recent promotion .

- Involved in the teaching lectures of elective courses , practical courses for MD degrees students.
- Supervision of MD and master students
- Member of MRI infection control Committee and participation of infection control training and lectures .
- Member of the accreditation team as a part of MRI teaching accreditation process.
- Member of internal auditing team of teaching and exam
- Participated in Chemical Pathology Department Accreditation as a part of Higher Education Institutes Labs Accreditation Project

- Head of the infection control and safety team of the Chemical Pathology Department MRI.
- Publishing valuable research articles in diverse varieties of diseases , using varies analytical techniques (PCR conventional and real time , sequencing , gene expression, Micro RNA's)

Conferences Active Participation

International Conferences

- Participated in 2nd International Conference on Prevention & Infection Control (ICPIC 2013) with the poster titled (Experience of Medical research institute (MRI)in applying WHO hand hygiene self assessment framework).
- Participated in the 10th European Breast Cancer Conference (EPCC2016) with a poster entitled (Study of serum interleukin 18 and nitric oxide levels as prognostic markers in breast cancer patients, and their relation to different treatment modalities)
- Participated in the 2021 AACC Annual Scientific Meeting & Clinical Lab Expo badge with a poster entitled (Multiplex Bead Assay of Serum based Biomarkers as a Proposed Panel for Colorectal Cancer Diagnosis.)
- Participated by Oral presentations in the 3rd ,4th , 5th , 7th and 8th International Conference Of Chemical Pathology Department.

Awards Received

- The 2021 NORBERT W. TIETZ DISTINGUISHED ABSTRACT AWARD

Reviewer

- As a reviewer in qualified scientific journals (Egyptian journal of Medical Human genetics, Diabetology & Metabolic Syndrome, Journal of Physiology and Pharmacology, Journal of Clinical and Basic Research and International Journal of Cancer and Biomedical Research)

Scientific Reports

- Published scientific report in the AACC scientific shorts entitled (Colorectal Cancer Screening What's next?) <https://www.aacc.org/science-and-research/scientific-shorts/2022/colorectal-cancer-screening>

Topics taught by Prof. Dr Mona Mohamed Kamal ElDeeb for Post graduate Students for Both MSc and MD Degree Courses and Elective Courses in Chemical Pathology Department :

Theoretical Part:

1. GIT and Pancreatic dysfunctions
2. Liver function tests
3. Cardiac markers.
4. Abnormal pregnancy and Maternal and fetal health.
5. Lab techniques and instrumentation (Biosensors and bioassays, Radioactivity and its measurement, Automation in lab, immunoassay techniques)
6. Water quality used in lab.
7. Reference materials
8. Standardization of solutions and units of measurement
9. Calculation in clinical chemistry.
10. Carbohydrate and lipid metabolism
11. Kidney functions
12. Endocrinology .

13. Acid base imbalance.
14. Quality assurance and quality management system .
15. Infection control basics and standards

Practical Part included :

- Complete Urine Analysis
- Glucose and glycated Hb
- Phosphatases & phenol standardization
- Calculation in clinical chemistry
- Urea ,creatinine and uric acid
- Hormonal assay on vidas and immulite
- Demonstration on mass spectrometer in Clinical pathology department faculty of medicine
- Lipids & lipoproteins and Vitamins
- Abnormal proteins and Water, electrolytes imbalance.
- Ca & PO₄ homeostasis in newborn & childhood
- Lipemia interference
- Assessment of Abnormal proteins

Various Case studies :

- Lab evaluation of hypothalamic -thyroid end-organ axes, Case study of GIT and Pancreatic dysfunctions, Case study on Hepatitis markers, Lab diagnosis of Thyroid abnormal function etc.

List of Publications :

1. Glutathione S-transferase M1, T1 and P1 gene polymorphisms and the risk of developing type 2 diabetes mellitus in Egyptian diabetic patients with and without diabetic vascular complications. Alexandria Journal of Medicine .2015
2. The Role of Serum Trace Elements and Oxidative Stress in Egyptian Breast Cancer Patients. Advances in Breast Cancer Research. 2016
3. Study of serum interleukin 18 and nitric oxide levels as prognostic markers in breast cancer patients, and their relation to different treatment modalities. International Journal of Advanced Research. 2015
4. Assessment of host metabolic factors: Adiponectin, TNF- α and insulin resistance influence on the degree of hepatic steatosis in patients infected with Hepatitis C virus . International Journal of Current Microbiology and Applied science. 2015.
5. Interferon Gamma Release Assays (IGRA) in the Diagnosis of Active Pulmonary Tuberculosis. Journal of High Institute of Public Health. 2014.
6. Possible role of retinol binding protein4 (RBP4) in hepatic steatosis associated with virus hepatitis . Alexandria Journal of Medicine. 2013.

7. The effect of multimodal balanced anaesthesia and long term gabapentin on neuropathic pain, nitric oxide and interleukin-1b following breast surgery. Egyptian Journal of Anesthesia. 2012.
8. Aldose reductase (-106) C/T gene polymorphism and possibility of macrovascular complications in Egyptian type 2 diabetic patients . 2016.
9. Serum Glycoprotein Chondrex (YKL-40) and High Sensitivity C- Reactive Protein (hsCRP) in Type 2 Diabetic Patients in Relation to Cardiovascular Complications. SM Journal of Nephrology and Kidney Diseases. 2017.
10. Predictive Markers for Hepatocellular Carcinoma Development in Patients with Chronic Hepatitis C Virus Genotype 4a. Middle East Journal of Cancer. 2018.
11. Possible association of ghrelin/obestatin balance with cardiometabolic risk in obese subjects with Helicobacter pylori. ENDOCRINE REGULATIONS. 2018.
12. Diagnostic utility of urinary lipoarabinomannan in pulmonary tuberculosis. The Egyptian Journal of Chest Diseases and Tuberculosis .2019.
13. Methylene Tetrahydrofolate Reductase gene (C677T) polymorphism and serum folate level as risk factors of breast cancer among Egyptian females. The Egyptian Journal of Lab Medicine. 2017.
14. Methylation of Glutathione-S-Transferase P1 Promotor in Egyptian Females with Breast Cancer. 2019. Asian Pacific Journal for Cancer prevention. 2019
15. The Possible Role of Interleukin (IL)-18 and Nitrous Oxide and Their Relation to Oxidative Stress in the Development and Progression of Breast Cancer. *Asian Pacific Journal of Cancer Prevention, Vol 20. 2019*
16. Study of Dickkopf-1 (DKK-1) in patients with chronic viral hepatitis C-related liver cirrhosis with and without hepatocellular carcinoma. Clinical and Experimental Hepatology . 2020
17. Role of serum allograft inflammatory factor-1 (AIF-1) in Egyptian type 2 diabetic patients. Clinical Diabetology 2019 Vol 8(6) : 271–276
18. Effect of a weight loss program on serum adiponectin and insulin resistance among overweight and obese premenopausal females. Journal of the Egyptian Public Health Association. (2020) 95:32.

19. Possible roles of methylenetetrahydrofolate reductase polymorphism and folate status in patients with early hepatitis C virus genotype 4. *Arab Journal of Gastroenterology* 2021.
20. COVID-19 GIT Affection: An Updated Review. EL-HADY H, Darwish E, Kamal Eldeeb M, Abdelfattah M, Elwazzan D, M. Abd el-Rady N, Abosaif A, F.H. Abdallah M, S. Boshra M, M Sarhan R, Abdel-Rahman A, Halawa T, Rabee A, A. Abdelgawad M, Mostafa-Hedeab G. *Iran. Red. Crescent. Med. J.* [Internet]. 2022 May 18 [cited 2022 Jul. 27];24(5). Available from: <https://www.ircmj.com/index.php/IRCMJ/article/view/1956>
21. Eldeeb, M.K., Shoaib, M.M.AE., Abd-Elmonem, E.A. *et al.* Genetic polymorphisms and gene expression of one-carbon metabolizing enzymes and their relation to breast cancer. *Egypt J Med Hum Genet* **23**, 96 (2022). <https://doi.org/10.1186/s43042-022-00296-8>
22. Badawy, Y.E., Saeed, H.M., Embaby, A.M. *et al.* Cystathionine β Synthase (CBS 844ins68) and Cytosolic Serine Hydroxy-Methyltransferase (SHMT1) (C1420T) Gene Polymorphisms and the Risk of Breast Cancer in the Egyptian Population. *Cytol. Genet.* **57**, 76–86 (2023). <https://doi.org/10.3103/S0095452723010036>

Reviewer :

Reviewed several research articles in Egyptian Journal of medical human genetics

Network profiles

- 1) <https://www.researchgate.net/profile/Mona-Deeb>
- 2) <https://eg.linkedin.com/in/mona-eldeeb-181a177>
- 3) <https://scholar.google.com/citations?user=kUlpIOIAAAAJ&hl=en&oi=ao>
- 4) <https://www.scopus.com/authid/detail.uri?authorId=57202086003>
- 5) <https://orcid.org/0000-0001-8831-6381>
- 6) <https://publons.com/researcher/3078392/mona-eldeeb/>

Other work Experience:

Several workshops on different technical process , hematology training

Clinical work experiences

Branch Manager Of Mabarot ElAsafra Laboratory from 2008- 2010

Lab Manager of Elamin hospital 2010-2011

Lab Manager of Tiba hospitals 2011-2014

Assistant Lab Manager of Loran Hospital from 2017-2018

Lab Manager Of Alexandria hospital Lab from 2012 till now

Assistant Lab Manager of ElEqbal hospital from 2016 till 2020

Information technology:

- Microsoft windows operating system (Excellent)

- Microsoft office kit; word, excel, power point (Excellent)
- Different laboratories information system (Excellent)

Language:

- Arabic language : Mother language (Fluent)
- English language (Excellent)