
Curriculum Vitae

Personal Details

Name: Iman ElSayed AbdelFattah AbdelAal

Country of Birth: Egypt

Job: Assistant Professor and Head of Biomedical informatics& Medical Statistics Department, Medical Research Institute. Alexandria University, Alexandria, Egypt.

E-mail:

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Profiles:

LinkedIn: www.linkedin.com/in/imanelayed83

Google Scholar:

https://scholar.google.com/citations?hl=en&user=7YzKvmoAAAAJ&view_op=list_works&sortby=pubdate

Researchgate: <https://www.researchgate.net/profile/Iman-El-Sayed>

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Affiliation

Medical Research Institute, Alexandria University.

Qualification

- **MBCbB of Medicine, Faculty of Medicine, Alexandria University, 2006.**
- **Master degree of Biomedical Informatics & Medical Statistics 2012**
- **Ph.D. of Biomedical Informatics & Medical Statistics 2015**
- **Fellow of Cancer research and Biostatistics. Department of Clinical Sciences and Community Health, University of Milan. Italy 2017-2017.**
- **Research Fellow at Liverpool School of Tropical Medicine, Cochrane Infectious Disease Group(CIDG). Liverpool, United Kingdom 2018-2018**
- **Certified Professional in Healthcare Quality Examination (CPHQ). Issued by National Association of Healthcare Quality (NAHQ). ID Number: HQ0353122, Exam date: 12/07/2021.**
- **Health Economics and Health Technology Assessment Diploma, Faculty of Pharmacy, Cairo University, Egypt in partnership with Bournemouth University, UK.**

Current position

Associate Professor in Biomedical Informatics & Medical Statistics
Department since December 2019

Language:

English (Fluent) and Arabic (Native)
IELTS test with an overall band score of 7

Fellowships:

1. January-February 2017:

Completed Union International of Cancer Control (UICC) Technology Transfer Fellowship titled: **Cancer control , epidemiology and research. Department of community and clinical science. Milan University, Milan, Italy.**

Score: Outstanding

Field:

- **Cancer Epidemiology.**
- **Cancer control and prevention.**
- **Cancer Research.**

2. February-March 2018:

Completed an Evidence synthesis fellowship at Cochrane Infectious Disease editorial Base, Department of clinical sciences. Liverpool School of Tropical Medicine (LSTM), Liverpool, United Kingdom. (WHO collaborating center)

Field:

- **Evidence Based Medicine.**
- **Evidence Synthesis.**
- **Systematic Reviews methodology and meta-analysis**
- **Master level course certificate achievement of “Systematic reviews for policy and practice”**
 - **Syllabus of taught course “Systematic reviews for policy and practice”:**
 - ❖ **Evidence and what it means to different stakeholders**
 - ❖ **Searching for research papers and systematic reviews**
 - ❖ **Systematic reviews: statistical interpretation and risk of bias**
 - ❖ **Using GRADE to develop evidence-based recommendations**
 - ❖ **Reliability of systematic reviews**
 - ❖ **Applicability of systematic reviews**
 - ❖ **Qualitative synthesis in guideline development**
 - ❖ **Using DTA reviews to develop evidence-based recommendations**
 - ❖ **Guidelines**

❖ Case studies of evidence into policy and practice

Awards:

*Alexandria University Award for Scientific and academic distinction
2019*

جائزه الجامعه للتشجيع العلمى سنه 2019

Courses and training:

Attended, completed and participated in :-

- Practical Time Series Analysis , an online non-credit course authorized by The State University of New York and offered through Coursera, 27 April 2020
(Verified certificate)
- The Analytic Edge. R software. Massachusetts Institute of Technology. EDX online course. 24th May 2019(**Verified certificate**)

❖ ***Six Sigma Yellow Belt Specialization:***

- *Six Sigma Principles*, an online non-credit course authorized by University System of Georgia and offered through Coursera, October 22, 2020
- *Six Sigma Tools for Define and Measure*, an online non-credit course authorized by University System of Georgia and offered through Coursera, November 17, 2020
- *Six Sigma Tools for Analyze*, an online non-credit course authorized by University System of Georgia and offered through Coursera, November 22, 2020
- *Six Sigma Tools for Improve and Control*, an online non-credit course authorized by University System of Georgia and offered through Coursera December 6, 2020

❖ ***Epidemiology for Public Health Practice Specialization involves:***

- Essential Epidemiologic Tools for Public Health Practice, an online non-credit course authorized by Johns Hopkins University and offered through Coursera, 20 March 2020.
- Data and Health Indicators in Public Health Practice, an online non-credit course authorized by Johns Hopkins University and offered through Coursera, 23 March 2020.
- Surveillance Systems: The Building Blocks, an online non-credit course authorized by Johns Hopkins University and offered through Coursera, 25 March 2020.

- Surveillance Systems: Analysis, Dissemination, and Special Systems, an online non-credit course authorized by Johns Hopkins University and offered through Coursera, 27 March 2020.
- Outbreaks and Epidemics an online non-credit course authorized by Johns Hopkins University and offered through Coursera, 28 March 2020.

❖ **Patient safety and quality improvement Specialization involves:**

- **Implementing a Patient Safety or Quality Improvement Project (Patient Safety V). An online non-credit course authorized by Johns Hopkins University and offered through Coursera, 12 January 2019.**
- **Designing for Sustainment: Keeping Improvement Work on Track (Patient Safety IV). An online non-credit course authorized by Johns Hopkins University and offered through Coursera, 1 March 2019.**
- **Planning a Patient Safety or Quality Improvement Project (Patient Safety III). An online non-credit course authorized by Johns Hopkins University and offered through Coursera, 27 December 2018.**
- **Setting the Stage for Success: An Eye on Safety Culture and Teamwork (Patient Safety II). An online non-credit course authorized by Johns Hopkins University and offered through Coursera, 1 December 2018.**
- **Patient Safety and Quality Improvement: Developing a Systems View (Patient Safety I). an online non-credit course authorized by Johns Hopkins University and offered through Coursera, 27 November 2018.**
- **Systematic reviews and meta-analysis of prognosis studies,. Cochrane Netherlands, Utrecht, The Netherlands. 1-3 July 2019**
- **6th Course on Network Meta-Analysis, Warneford Hospital, Oxford Universit, Oxford. United Kingdom. June 24th – 26th 2019.**
- **An Intervention Review Module 1: Introduction to conducting systematic reviews October 2017. Cochrane training.**
- **An Intervention Review Module 2: Writing the review protocol October 2017. Cochrane training.**
- **An Intervention Review Module 3: Searching for studies October 2017. Cochrane training.**

- **An Intervention Review Module 4: Selecting studies and collecting data November 2017. Cochrane training.**
- **An Intervention Review Module 5: Introduction to study quality and risk of bias February 2018. Cochrane training.**
- **An Intervention Review Module 6: Analysing the data June 2018. Cochrane training.**
- **An Intervention Review Module 7: Interpreting the findings June 2018.. Cochrane training.**
- **An Intervention Review Module 8: Reporting the review June 2018. Cochrane training.**
- **An Intervention Review Module 9: Introduction to health economics June 2018. Cochrane training.**
- **An Intervention Review Module 10: Network meta-analysis. June 2019. Cochrane training.**

- **“E-learning capacity building for medical practitioners”. A training program at World Health Organization in collaboration with American University of Beirut Medical Center, Cairo, Egypt. May 20-23 2017.**
 - ❖ **Topics covered in the program: elearning, Adult learning, Online and blended learning, course design and delivery roadmap, Motivating trainees.**

- **“Introduction to Principles of Critical Appraisal of Health Economics Evaluation”. National Library of Medicine. March 2016.**

- **“Identification and Retrieval of Health Economics Evaluation”. National Library of Medicine. March 2016.**

- **“The Scope of Health Economics and Key Information Sources”. National Library of Medicine. March 2016.**

- **“Sources and Characteristics of Information Relating to Health Care Financing in the U.S”. National Library of Medicine. March 2016.**

- **“Fixing health care delivery” offered by University of Florida. 19 January 2016. (Verified certificate)**

- **“Introduction to Systematic review and Meta-analysis” offered by Johns Hopkins University. July 13-August 23 2015.**

- **“Statistics in medicine”**. Offered by Stanford University on September 15, 2015
- **ICD 10 Training** On March 2015
- **Data Analysis and Statistical Inference:** Duke University’s. online offering on 19th November 2014
- **The Data Scientist’s Toolbox:** The Johns Hopkins University's online offering on 7 September 2014
- **Questionnaire Design for Social Surveys:** The Johns Hopkins University's online offering on 28 August 2014.
- **Design and Interpretation of Clinical Trials:** The Johns Hopkins University's online offering on 7 April 2014.
- **Statistical Learning:** Online course offered by Stanford University on 8th April 2014.
- **HSPH-HMS214x: Fundamentals of Clinical Trials: a course of study** offered by HarvardX, an online learning initiative of Harvard University through edX on 17 February, 2014
- **“Writing in the Sciences”** :Stanford University on 22 November 2013

Conferences and workshops:

- **Adverse events workshop at Medical Research Institute, Alexandria, Egypt on 28,29 April 2010.**
- **The 16th conference (4th international) medical research institute, Alexandria university (Advances in medical research quality in medical education and practice) on 19-22 October, 2010**
- **Health and Bio-medical informatics in a future information-driven era of Health care on 1-2 January, 2011.**
- **Basic statistical technique workshop held on 13, 14 July 2011 at medical technology center. Medical Research Institute. Alexandria University.**

- **Basic statistical technique workshop using SPSS held on 15-16 February, 2012.**
- **“How to write a research project” through the activities of CIQAP (Continuous improvement and qualifying for accreditation project) on 1 March 2012.**
- **The 6th international conference and 18th annual conference: Multidisciplinary Approach in Cancer Management: On 23rd-26th of September 2014**
- **Medical Informatics in Health and Allied Health Sectors: Data Mining Algorithms & Its Applications. High Institute Of Public Health, Alexandria University-Egypt. On 9-12 November 2014.**

The course is part of the EU Tempus project 543889-Tempus-1-2013-1-SE-JPHES Advanced Training and Life Long Learning Master program in Applied Health Sciences. This course is equivalent to 2 credit hours Biostatistics course delivered, recognized, and accredited by October 6 University.

- **Evidence- Based Practice -Appraising Research Evidence-In the framework of Health Governance Project funded by the Italian Egyptian debt for development swap program, held at the Health Governance Unit, Medical Research Institute, Alexandria University**
- **Evidence live 2016 Conference. Oxford, United Kingdom 22-24th June 2016.**
- **Role of Research in Improving Health Care. “The 6th Arab conference on Medical Liability” Titled “Health Governance: Professional Accountability and Legal Liability”. 8-9 March 2017.**

Career Profile:

- **2007- 2008:**
Trained as House Officer in Alexandria University Hospitals

2008-2009:
Worked as pediatric resident at The Child Main University Hospital (El Shatbi).

- **2009-2013:**
Worked as a **Demonstrator in Biomedical informatics& Medical Statistics Department, Medical Research Institute, Alexandria University.**
- **2009-2012:**
Completed the following courses as part of M.Sc. degree curriculum:
 - ❖ Principles of medical statistics.
 - ❖ Intermediate medical statistics.
 - ❖ Regression analysis.
 - ❖ Medical research design.
 - ❖ Principles of computer science.
 - ❖ Scientific writing.
 - ❖ Introduction to Evidence Based Medicine.
 - ❖ Hospital statistics.
 - ❖ Basic genetic epidemiology.
- **Passed all modules required for the granting of the “*International Computer Driving License*” on 20 September 2012.**(Excellent word, excel and power point)
- **Completed training courses Certified by International Board of certified trainers European Division (IBCT) held at Faculty and leadership development center (FLDC) on the followings:**
 - ❖ Presentation skills on 24-25 March 2012.
 - ❖ University legal& Financial Aspects on 21-22 April 2012.
 - ❖ Composition of teams& team works on 28-29 April 2012.
 - ❖ International publishing of Research on 5-6 May 2012.
 - ❖ Students Evaluation and Examination techniques on 19-20 May 2012.
- **13thNovember 2012:**
I granted my Master Degree.
Thesis Title: Awareness and Attitude of Physicians in Hospitals Belonging to University of Alexandria towards Evidence Based Medicine

The aim of my thesis is:
 - ❖ **Assessment of the physician's knowledge of evidence based medicine (Choosing the proper definition of EBM, Writing the name of any site on the net related to EBM, and understanding of some technical terms).**
 - ❖ **Assessment of physician's attitude towards current promotion of EBM.**

- ❖ **Physician's opinion about barriers towards application of EBM in clinical practice.**
- ❖ **Physician's opinion about how to increase EBM use in every day management of patients.**

- **2013-2015:**

- **Completed the following courses as part of Ph.D. degree curriculum:**

- ❖ Time series analysis
- ❖ Systematic Review and Meta-analysis
- ❖ Clinical Measurements and Accuracy of Diagnostic Tests
- ❖ Advanced Topics in Registration of chronic diseases
- ❖ Critical Appraisal & Journal club
- ❖ Principles of Registration of Chronic Diseases
- ❖ Survival Analysis
- ❖ Evidence based guidelines
- ❖ Data reduction, classification and scale reliability

- **Completed my PhD thesis “A Systematic Review to Study the Effect of Different Neuro-Protective Drugs in Management of Critically Ill Patients with Traumatic Head Injury”**

2013 to present:

- **Teaching to Postgraduate students registering in Biomedical informatics & Medical statistics Department the following subjects:**
 - ❖ Basic Medical Statistics.
 - ❖ Intermediate Medical Statistics.
 - ❖ Regression Analysis.
 - ❖ Roc Curve Analysis.
 - ❖ Evidence Based Medicine.
 - ❖ Critical Appraisal.
 - ❖ Research Methodology.
 - ❖ Scientific writing.
 - ❖ Survival analysis.
 - ❖ Systematic reviews & Meta-analysis.
 - ❖ Factor analysis.
 - ❖ Statistical tools in quality of health care

September-November 2015:

- **Completed training courses Certified by International Board of certified trainers European Division (IBCT) held at Faculty and leadership development center (FLDC) on the followings:**

- ❖ Decision making and problem solving on 18-19 November 2105.
- ❖ Reference management system on 15-16 November 2105.
- ❖ Research team management 2-3 November 2015.
- ❖ Ethical conduct and code of ethics 7-8 October 2015.
- ❖ E-Learning 30 sep-1 October 2015.
- ❖ Communication skills in education 16-17 September 2015

December 2015:

I granted my Ph.D

Thesis title: A Systematic Review to Study the Effect of Different Neuro-Protective Drugs in Management of Critically Ill Patients with Traumatic Head Injury”

January 2016:

Worked as a lecturer in Biomedical Informatics & Medical Statistics Department

February-May 2016:

Teaching Medical Statistics course to students in Faculty of pharmacy, Pharos University of Alexandria, Egypt.

February-May 2017:

Designed an E-Learning course of Evidence Based Medicine to be the first online postgraduate course in MRI and Alexandria University.

February-March 2018:

Completed a fellowship at Cochrane Infectious Disease, Department of clinical sciences. Liverpool School of Tropical Medicine (LSTM).

Objectives

By the end of the period, Dr. Iman achieved the following objectives:

- **Be able to articulate the principles of systematic reviews of effects;**
- **Be able, as part of a team, to work on a Cochrane review;**
- **Completed some statistical consultancy related to meta-analysis on a focused problem**

(ITT analysis).

This was achieved through:

- Attending and completed a master level certificate course (10 Credits) at LSTM 'Systematic Reviews for Policy & Practice' course for 2 weeks from 12 - 24 February 2018;
- Continued attachment with CIDG Editorial Unit to gain further experience of the course content related to Cochrane Reviews
- Communication with the review team to complete the review;

Publications:

Manuscripts:

- Mousli, Hesham; **El Sayed**, Iman; Zaki, Adel; Abdelmonem, Sherif. Improving VTE prophylaxis in ward and ICU surgical urology patients: A Six-Sigma DMAIC methodology improvement project. Total Quality Management (TQM) Journal. Accepted for publication.
- Yakoub M, Elkhwsky F, El Tayar A, **El Sayed I**. Hospital-acquired pneumonia pattern in the intensive care units of a governmental hospital: A prospective longitudinal study. Ann Afr Med 2023;22:94-100.
- Hany, M., Torensma, B., Zidan, A. et al. Comparison of Sleeve Volume Between Banded and Non-banded Sleeve Gastrectomy: Midterm Effect on Weight and Food Tolerance—a Retrospective Study. OBES SURG 33, 406–417 (2023). <https://doi.org/10.1007/s11695-022-06404-2>.
- Haakenstad A, Yearwood JA, Fullman N, Bintz C, Bienhoff K, Weaver MR, et al. Assessing performance of the Healthcare Access and Quality Index, overall and by select age groups, for 204 countries and territories, 1990–2019: a systematic analysis from the Global Burden of Disease Study 2019. The Lancet Global Health. 2022;10(12):e1715-e43.
- Hany, M., **Sayed, I.E.**, Zidan, A. et al. Propensity score matching analysis comparing outcomes between primary and revision Roux-en-Y gastric bypass after adjustable gastric banding: a retrospective record-based cohort study. Surg Endosc (2022). <https://doi.org/10.1007/s00464-022-09675-z>
- Nejadghaderi, S. A., Moghaddam, S. S., Azadnajafabad, S., Rezaei, N., Rezaei, N., Tavangar, S. M., Jamshidi, H., Mokdad, A. H., Naghavi, M., Farzadfar, F., & Larijani, B. (2022). Burden of thyroid cancer in North Africa and Middle East 1990–2019. Frontiers in Oncology, 12. <https://doi.org/10.3389/fonc.2022.955358>

- **Abbasi-Kangevari M, Saeedi Moghaddam S, Ghamari SH, et al. The burden of prostate cancer in North Africa and Middle East, 1990-2019: Findings from the global burden of disease study. *Frontiers in Oncology*. 2022 ;12:961086. DOI: 10.3389/fonc.2022.961086. PMID: 36176394; PMCID: PMC9513750.**
- **Kyu HH, Vongpradith A, Sirota SB, Novotney A, Troeger CE, Doxey MC, et al. Age–sex differences in the global burden of lower respiratory infections and risk factors, 1990–2019: results from the Global Burden of Disease Study 2019. *The Lancet Infectious Diseases*. 2022;22(11):1626-47.**
- **Sheena BS, Hiebert L, Han H, Ippolito H, Abbasi-Kangevari M, Abbasi-Kangevari Z, et al. Global, regional, and national burden of hepatitis B, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Gastroenterology & Hepatology*. 2022;7(9):796-829.**
- **Global, regional, and national burden of colorectal cancer and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. GBD 2019 Colorectal Cancer Collaborators. *Lancet Gastroenterol Hepatol* 2022. Online/Comment [https://doi.org/10.1016/S2468-1253\(22\)00089-9](https://doi.org/10.1016/S2468-1253(22)00089-9).**
- **El Sayed I, Trifiletti DM, Lehrer EJ, Showalter TN, Dutta SW. Protons versus photons for the treatment of chordoma. *Cochrane Database of Systematic Reviews* 2021, Issue 7. Art. No.: CD013224. DOI: 10.1002/14651858.CD013224.pub2. Accessed 06 July 2021.**
- **Global, regional, and national burden of diseases and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 Study *BMJ* 2022; 376 :e068208 doi:10.1136/bmj-2021-068208.**
- **Mohamed, Mona Salah; El Sayed, Iman; Zaki, Adel; Abdelmonem, Sherif Assessment of the effect of amantadine in patients with traumatic brain injury: A meta-analysis, *Journal of Trauma and Acute Care Surgery*: March 2022 - Volume 92 - Issue 3 - p 605-614 doi: 10.1097/TA.0000000000003363.**
- **Hajelssedig, O. E., Zorron Cheng Tao Pu, L., Thompson, J. Y., Lord, A., El Sayed, I., Meyer, C., Shaukat Ali, F., Abdulazeem, H. M., Kheir, A. O., Siepmann, T., and Singh, R. (2021) Diagnostic accuracy of narrow-band imaging endoscopy with targeted biopsies compared with standard endoscopy with random biopsies in patients with Barrett's esophagus: A systematic**

review and meta-analysis. *Journal of Gastroenterology and Hepatology*, XXX, <https://doi.org/10.1111/jgh.15577>

- Ibrahim S, Habiballah M, **Sayed IE**. Efficacy of Electronic Cigarettes for Smoking Cessation: A Systematic Review and Meta-Analysis. *American Journal of Health Promotion*. December 2020. doi:10.1177/0890117120980289
- Noeman-Ahmed, Y, Gokaraju, S, Powrie, DJ, Amran, DA, **El Sayed, I**, Roshdy, A. Predictors of CPAP outcome in hospitalized COVID-19 patients. *Respirology*. 2020; 25: 1316– 1319. <https://doi.org/10.1111/resp.13964>.
- Yasser NA, Ashraf R, Abdulla B, **Iman ES**, Maryam N, Gouri K, Vinod W, Sriya G, Patrice A, Nour A, Shashank S, Duncan J. P. A propensity score matching analysis for CPAP versus conventional oxygen therapy as a ceiling of care in COVID-19-associated type 1 respiratory failure. *Res Opin Anesth Intensive Care* 2022;9:37-45
- Noeman Ahmed Y, Setty N, Roshdy A, Powrie DJ, Amran DA, Elsheikh A, Gokaraju S, Tear A, Noeman M, Darda M, **El Sayed I**, Karunanithi V, Mahalingam A, Shafiq M, Abdul-Khaliq I, Samuel J. Continuous positive airway pressure as a useful tool in coronavirus disease 2019-related acute hypoxemic respiratory failure: experience from three UK hospitals. *Res Opin Anesth Intensive Care* 2022;9:46-51
- Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019. GBD 2019 Diabetes Mortality Collaborators. *Lancet Diabetes Endocrinol* 2022; 10: 177–92. [https://doi.org/10.1016/S2213-8587\(21\)00349-1](https://doi.org/10.1016/S2213-8587(21)00349-1)
- Alvarez, E. M., et al. (2021). "The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019." *The Lancet Oncology*.
- Kinyoki, D., Osgood-Zimmerman, A.E., Bhattacharjee, N.V. et al. Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. *Nat Med* 27, 1761–1782 (2021). <https://doi.org/10.1038/s41591-021-01498-0>
- Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic analysis for the Global Burden of Disease

Study 2020. GBD 2020, Release 1, Vaccine Coverage Collaborators. The Lancet 398, Issue 10299, 7–13 August 2021, Pages 503-521.

- **Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 396(10258), 1250-1284.**
- **Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 396(10258), 1223-1249.**
- **Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 396 (10258), 1204-1222.**
- **Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. The Lancet. 396 (10258), 1160-1203.**

- **Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. Nature Medicine 26, 750–759 (April 2020).**
- **Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017. The Lancet 395(10239), 6–12 June 2020, Pages 1779-1801.**
- **Burstein, R., Henry, N.J., Collison, M.L. *et al.* Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. Nature 574, 353–358 (2019). <https://doi.org/10.1038/s41586-019-1545-0>**

- **Safiri, S., *et al.* (2019). "The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017." The Lancet Gastroenterology & Hepatology 4(12): 913-933.**

- **Global Burden of Disease Cancer Collaboration.** Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. *JAMA Oncol.* Published online September 27, 2019. doi:10.1001/jamaoncol.2019.2996.
- **El Sayed I, Liu Q, Wee I, Hine P.** Antibiotics for treating scrub typhus. *Cochrane Database of Systematic Reviews* 2018, Issue 9. Art. No.: CD002150. DOI: 10.1002/14651858.CD002150.pub2.
- **El Sayed I, Abdelmonem S.** A cross-sectional study to assess Evidence-Based Medicine teaching method: online or face-to-face?. *BMJ Evidence-Based Medicine* Published Online First: 11 December 2018. doi: 10.1136/bmjebm-2018-111117
- **Gianfranco Alicandro, Luisa Frova, Gabriella Sebastiani, Iman El Sayed, Paolo Boffetta, Carlo La Vecchia.** Educational Inequality in Cancer Mortality: A Record Linkage Study of Over 35 Million Italians. *Cancer Causes & Control J.* 28(9):997-1006. doi: 10.1007/s10552-017-0930-y. Epub 2017 Jul 26
- **El Sayed I, Elkhwsky F, La Vecchia C and Alicandro G.** The frequency of bladder cancer in Alexandria, Egypt, over the last two decades. *European Journal of Cancer Prevention* 2017, DOI: 10.1097/CEJ.0000000000000368. APP Template V1.03. Article id: EJCP062900.
- **El Sayed, I., Zaki, A., Fayed, A.M. et al.** A Meta-analysis to Study the Effect of Different Neuro-Protective Drugs in Management of Critically Ill Patients with Traumatic Brain Injury. *Neurosurg Rev* (2016). doi:10.1007/s10143-016-0775-y.
- **Anwar MM, Reizian AE, El Kholy AM, El Sayed I, et al.** An Assessment Scale for Patients with Postoperative Superficial Incisional Surgical Site Infection: a Cross-Sectional Study. *Indian Journal of Surgery* (2018). 80(3): pp 259–268.
- **Gihan M. Shehata, Adel Zaki, Nabil L. Dowidar and Iman El Sayed.** Critical thinking and attitude of physicians toward evidence-based medicine in Alexandria, Egypt. *Journal of the Egyptian Public Health Association* 2015, 90:115–120.

- Abdelmonem S, Hadi GA, Fayed A, **El Sayed I**, Mogazy K (2019). A Case Control Study of Risk Factors for Depression in Intensive Care Unit Patients. *Int J Crit Care Emerg Med* 5:077. DOI: 10.23937/2474-3674/1510077.
- Abdelmonem S, Helmy T, **El Sayed I**, Ghazal S (2019). A Prospective Study on Severe Hypotension in Critically Ill Patients Sedated with Propofol. *Int J Crit Care Emerg Med* 5:078. DOI: 10.23937/2474-3674/1510078.

Book chapter:

El Sayed, I. (2017). *Cancer in the Middle East (Control and Prevention)*. Reference Module in Biomedical Sciences, Elsevier. <https://doi.org/10.1016/B978-0-12-801238-3.65154-1>. ISBN 978-0-12-801238-3

El Sayed, I., 2019. *Cancer in the Middle East*. In: Boffetta, P., Hainaut, P. (Eds.), *Encyclopedia of Cancer*, 3rd edition, vol. 1, Elsevier, Academic Press, pp. 225–242. <http://dx.doi.org/10.1016/B978-0-12-801238-3.65154-1>

Posters:

- Zaki A, **El Sayed I**, Shehata G, Nabil Dwidar. Critical thinking and attitude of physicians toward EBM in Alexandria, Egypt. Evidence Live 2013 conference. Center of Evidence Based Medicine (CEBM). University of Oxford. 25-26th March 2013
<http://www.evidencelive.org/posters/2013/critical-thinking-and-attitude-of-physicians-toward-ebm-in-alexandria-egypt/1243933#>
- **El Sayed I**, Zaki A, Akram M.Fayed, Shehata G, Abdelmonem Sh. A Meta-analysis to Study the Effect of Different Neuro-Protective Drugs in Management of Critically Ill Patients with Traumatic Brain Injury. Evidence live 2016 Conference. Center of Evidence Based Medicine (CEBM). Nuffield Department of Primary Care Health Sciences • University of Oxford 22-24th June 2016.
<http://evidencelive.org/evidence-live-2016-poster-abstracts/>

- Abdallah Tamer, Abdelmonem Sherif, **El Sayed I**, Ghazal Salma. Predictors of severe hypotension in Intensive Care Unit patients sedated with Propofol. 29th Annual Congress of the European Society of Intensive Care Medicine, 1 - 5 October 2016, Milan, Italy.
- Tamer Hosny, **Eman El Sayed**, Ihab Hassan. AFC(Antral Follicle Count) Nomogram can be used for counseling before labaroscopic excision of ovarian endometrioma. The European Society for Gynecological Endoscopy (ESGE). Annual congress 18-21th October 2017, Antalia. Turkey

Oral Sesiions:

- Salama, M. M., Yassine, O. G., **El Sayed, I.**, Abdelmonem, S., & Elkhwsy, F. S. (2020). *Knowledge, attitude and practice of healthcare professionals towards pharmacovigilance in Alexandria, Egypt: A cross sectional survey*. Paper presented at the Pharmacoepidemiology And Drug Safety.
- **Sayed IE**, Abdelmonem S. 14 Evidence based medicine in low-middle income countries; online or face-to-face teaching method?. *BMJ Evidence-Based Medicine* 2018;23:A7.
[https://ebm.bmj.com/search/volume:23%20issue:Suppl+1%20jcode:ebmed%20ort:first-page%20direction:ascending?facet%5Btoc-section-id%5D%5B0%5D=Oral%20Sessions](https://ebm.bmj.com/search/volume:23%20issue:Suppl+1%20jcode:ebmed%20sort:first-page%20direction:ascending?facet%5Btoc-section-id%5D%5B0%5D=Oral%20Sessions)
- Fayek El khwsy , Gamal El-Housseni , **Iman El Sayed** , Assem Rostom , Sara Refay. Factors affecting quality of life of colorectal cancer patients in Alexandria, Egypt. The 8th annual meeting of the middle eastern association for cancer research, Muskat , Oman, 8-9th December 2018.
- Yasser Noeman Ahmed, Maryam Noeman, Abdulla Bedir, Iman El Sayed, Ashraf Roshdy, Ciara Bansal, Patrice Ayuen, Nour Abualela, Shashank Sharma. Characterisation of COVID-19 hospitalised frail patients not for ICU admission. *European Respiratory Journal*.Vol 58.Issue suppl 65.Publisher: European Respiratory Society. *European Respiratory Journal* 2021; 58: Suppl. 65, PA900. This abstract was presented at the 2021 ERS International Congress, in session “Prediction of exacerbations in patients with COPD”.
https://erj.ersjournals.com/content/58/suppl_65/PA900.abstract.

- Salama, M. M., Yassine, O. G., El Sayed, I., Abdelmonem, S., & Elkhwsky, F. S. (2020, October). Knowledge, attitude and practice of healthcare professionals towards pharmacovigilance in Alexandria, Egypt: A cross sectional survey. In PHARMACOEPIDEMIOLOGY AND DRUG SAFETY (Vol. 29, pp. 491-492). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
- Yasser Noeman Ahmed, Maryam Noeman, Abdulla Bedir, Iman El Sayed, Ashraf Roshdy, Gouri Koduri, Sriya Gokaraju, Patrice Ayuen, Nour Abuelela, Shashank Sharma, Dora Amran, Duncan Powrie. CPAP compared to Conventional Oxygen Therapy as ceiling of care in COVID-19 patients with Advanced Frailty: A retrospective cohort study. European Respiratory Journal 2021 58: PA1081; DOI: 10.1183/13993003.congress-2021.PA1081. European Respiratory Journal 2021; 58: Suppl. 65, PA1081. This abstract was presented at the 2021 ERS International Congress, in session “Prediction of exacerbations in patients with COPD”. https://erj.ersjournals.com/content/58/suppl_65/PA1081.abstract
- Mina Yakoub, Fayek Elkhwsky, Iman El Sayed, Ayman El Tayar. Predictors of Multidrug Resistance in Nosocomial Pneumonia among Intensive Care Units’ Patients of a Tertiary Hospital, Egypt Protocols. 42nd Annual Conference of the International Society for Biostatistics. “Driving Innovations In Healthcare, Strengthening Health Systems: Addressing Covid 19 Pandemic”. Virtual conference. 18-22 July 2021
- Mina Yakoub, Fayek Elkhwsky, Iman El Sayed, Ayman El Tayar. The Incidence Of Hospital-Acquired Pneumonia Among Patients Admitted To The Intensive Care Units Of A Tertiary Hospital, Egypt. 42nd Annual Conference of the International Society for Biostatistics. “Driving Innovations In Healthcare, Strengthening Health Systems: Addressing Covid 19 Pandemic”. Virtual conference. 18-22 July 2021
- Wan YL, El Sayed I, Walker TDJ, Russell B, Badrick E, McAleenan A, Edmondson R, Crosbie EJ. Prognostic models for predicting recurrence and survival in women with endometrial cancer. Cochrane Database of Systematic Reviews 2021, Issue 6. Art. No.: CD014625. DOI: 10.1002/14651858.CD014625. Accessed 06 July 2021.

Teaching Profile:

- **Teaching post-graduate master degree students the following subjects:**
 - ❖ Principles of Medical Statistics
 - ❖ Principles of Research methodology
 - ❖ Intermediate Medical Statistics
 - ❖ Regression Analysis
 - ❖ Scientific Writing
 - ❖ Evidence Based Medicine
 - ❖ Hospital statistics
 - ❖ Basic Epidemiology
 - ❖ Principles of Registration of Chronic Diseases (Global Burden of Diseases)
- **Teaching post-graduate doctor degree students the following subjects:**
 - ❖ Systematic Review and Meta-analysis
 - ❖ Critical Appraisal & Journal club
 - ❖ Survival Analysis
 - ❖ Evidence based guidelines
 - ❖ Clinical Measurements and Accuracy of Diagnostic Tests
 - ❖ Data reduction, classification and scale reliability
 - ❖ Time series analysis
 - ❖ Advanced Topics in Registration of chronic diseases
 - ❖ Statistical tools in quality of health care.
- **Delivered a course about Evidence –based practice Appraising research evidence in the framework of the health Governance project funded by the Italian-Egyptian Debt for Development Swab program. Cooperazione Italiana- MRI Alexandria University. July-December 2013.**
- **“Basic statistics” Course.** Department of Pharmacology & toxicology. Faculty of Pharmacy and Drug Manufacturing at Pharos University in Alexandria. Spring 2015/2016. (<https://www.pua.edu.eg/>)
- **Teaching “Evidence Based Practice”, a core module as part of Health Governance Diploma at Health Governance Unit, Medical Research Institute, Alexandria University, Egypt.** (<http://healthgovernanceunit.com/>)
- **Teaching Information Technology course(2 CH) as part of Pediatric Diploma for neurodisability among children. Children Main University Smouha Hospital. Alexandria, Egypt.**

- **Organized and participated in a research methodology workshop titled “Incredible Research Starts with Accurate Research Methods” held at Medical Technology Center, Medical Research Institute, Alexandria University, Egypt at 6th February 2022.**
- **Organized and participated in a workshop titled “Systematic reviews and meta-analysis” held at the Health Governance Unit, Medical Research Institute, Alexandria University, Egypt (<http://healthgovernanceunit.com/>) at 15th February 2022**

Statistical Analysis:

- Sample size calculation
- Statistical consultation.
- Statistical analysis plan
- Critical appraisal and guideline methodology consultation
- Statistical Analysis:
 - 1-Data entry
 - 2-Data Analysis of basic, intermediate and advanced statistics:
 - ❖ Different types of Regression Analysis.
 - ❖ Survival analysis
 - ❖ ROC Curve analysis
 - ❖ Time series analysis.
 - ❖ Systematic reviews and Meta-analysis
- Different research methods, design, editing and writing of research publications

Programs:

Statistical package for social science (SPSS).

R software.

Comprehensive Meta-analysis.

Review Manager (RevMan).

Covidence software.

EPPI Reviewer software.

Open meta-analyst.

MedCalc

NCSS-PASS for sample size calculation

Minitab

EndNote Reference Manager and Mendely.

Microsoft office (ICDL)

