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# Curriculum Vitae

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## Personal Details

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**Name:** Dr. Iman El Sayed

**Country of Birth:** Egypt

**Job:** Assistant professor in Biomedical informatics & Medical Statistics Department, Medical Research Institute. Alexandria University, Alexandria, Egypt.

**E-mail:**

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**Mobile:** +21116631103

## Affiliation

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Medical Research Institute, Alexandria University.

## Qualification

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MBChB 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 Medical Statistics. 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 (two months).

## Current position

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Assistant professor in Biomedical Informatics & Medical Statistics Department.

## Language:

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English (Fluent), French (Fair), Arabic (Native)

IELTS test with an overall band score of 7

## **Fellowships:**

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### **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 certificate achievement of “Systematic reviews for policy and practice”**

## **Courses, Meetings & Conferences**

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### ***Attended, completed and participated in :-***

- **Adverse events workshop at Medical Research Institute, Alexandria, Egypt on 28,29 April 2010.**
- **The16<sup>th</sup> conference (4<sup>th</sup> international) medical research institute, Alexandria university (Advances in medical research quality in medical education and practice) on 19-22 October,2010**
- **Basic statistical technique workshop held on 13, 14 July 2011 at medical technology center. Medical Research Institute. Alexandria University.**
- **Health and Bio medical informatics in a future information-driven era of Health care on 1-2 January, 2011.**
- **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.**
- **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.**
- **“Writing in the Sciences” :Stanford University on 22 November 2013**
- **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
- **Statistical Learning:** Online course offered by Stanford University on 8<sup>th</sup> April 2014.
- **Design and Interpretation of Clinical Trials:** The Johns Hopkins University's online offering on 7 April 2014.
- **Questionnaire Design for Social Surveys:** The Johns Hopkins University's online offering on 28 August 2014.
- **The Data Scientist’s Toolbox:** The Johns Hopkins University's online offering on 7 September 2014
- **The 6<sup>th</sup> international conference and 18<sup>th</sup> annual conference: Multidisciplinary Approach in Cancer Management:** On 23<sup>rd</sup>-26<sup>th</sup> 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.

- **Data Analysis and Statistical Inference:** Duke University's. online offering on 19<sup>th</sup> November 2014
- **ICD 10 Training** On March 2015
- **"Statistics in medicine"**. Offered by Stanford University on September 15, 2015
- **"Introduction to Systematic review and Meta-analysis"** offered by Johns Hopkins University. July 13-August 23 2015.
- **"Fixing health care delivery"** offered by University of Florida. 19 January 2016.
- **"Sources and Characteristics of Information Relating to Health Care Financing in the U.S"**. National Library of Medicine. March 2016.
- **"The Scope of Health Economics and Key Information Sources"**. National Library of Medicine. March 2016.
- **"Identification and Retrieval of Health Economics Evaluation"**. National Library of Medicine. March 2016.
- **"Introduction to Principles of Critical Appraisal of Health Economics Evaluation"**. National Library of Medicine. March 2016.
- **"Basic statistics" Course.** Department of Pharmacology& toxicology. Faculty of Pharmacy and Drug Manufacturing at Pharos University in Alexandria. Spring 2015/2016
- **Evidence live 2016 Conference.** Oxford, United Kingdom 22-24<sup>th</sup> June 2016.
- **Role of Research in Improving Health Care.** "The 6<sup>th</sup> Arab conference on Medical Liability" Titled "Health Governance: Professional Accountability and Legal Liability". 8-9 March 2017.
- **"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.

- **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.**
  
- **6th Course on Network Meta-Analysis, *Warneford Hospital, Oxford University Oxford .June 24th – 26th 2019.***

## **Career Profile:**

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- **2007- 2008:**  
**Trained as House Officer in Alexandria University Hospitals**
  
- **2008-2009:**  
**Worked as pediatric resident at The Child 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.

- **13<sup>th</sup> November 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.

**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:

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### Manuscripts:

- 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.
- **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.
- **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.
- 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, 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

- Dutta SW, **El Sayed I**, Lehrer EJ, Showalter TN, Jha RK, Khan L, Trifiletti DM. Particles versus photons for the treatment of chordoma. Cochrane Database of Systematic Reviews 2018, Issue 12. Art. No.: CD013224. DOI: 10.1002/14651858.CD013224.

- **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>

- **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

## 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. 25-26<sup>th</sup> 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 22-24<sup>th</sup> 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 18-21<sup>th</sup> October 2017, Antalia. Turkey

#### **Oral Sesions:**

- **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%20sort:first-page%20direction:ascending?facet%5Btoc-section-id%5D%5B0%5D=Oral%20Sessions>

- Fayek El khwsky , Gamal El-Housseni , **Iman El Sayed** , Assem Rostom , Sara Refay. Factors affecting quality of life of colorectal cancer patients in Alexandria, Egypt. The 8<sup>th</sup> annual meeting of the middle eastern association for cancer research, Muskat , Oman, 8-9<sup>th</sup> December 2018.

## Others:

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- **Statistical Analysis including:**
- Sample size calculation
- Statistical consultation
- 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).

Open meta-analyst.

MedCalc

NCSS-PASS for sample size calculation

Minitab

EndNote Reference Manager and Mendely.

Microsoft office (ICDL)