

Curriculum Vita

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Current Position(s):

- Associate Professor of Clinical Immunology, Department of Clinical Pathology, Faculty of Medicine, Assiut University, Assiut, Egypt.
- Director, Central Unit for Healthcare Quality, Assiut University Hospitals, Assiut, Egypt.

Qualifications:

A. Qualifications in Medicine:

- **Medical Doctorate (M.D) in Clinical Pathology** (Sub-specialty: Clinical Laboratory Immunology), Faculty of Medicine, Assiut University, Assiut, Egypt, January 2012. Thesis entitled “Tumor Necrosis Factor-alpha Gene Polymorphism in Allogeneic Haemopoietic Stem Cell Transplantation.”
- **M.Sc in Clinical Pathology**, Faculty of Medicine, Assiut University, Assiut, Egypt. Overall Grade: Excellent, November 2001. Thesis entitled “Specific Immunoglobulin E in the identification of allergens in allergic rhinitis patients.”
- **M.B.B.Ch.**, Faculty of Medicine, Assiut University, Assiut, Egypt. Overall Grade: Very good with honor degree (Total score percentage 82.92%), September 1996.

B. Qualifications in Quality Management:

- **Program on “Hospital Management and Health Systems in Japan”**, Part of the Egypt-Japan Education Partnership (EJEP-HRDP), Tokyo

Women's Medical University, Tokyo, Japan (24th June 2019 – 16th August 2019).

- **Professional Postgraduate Diploma in Total Quality Management for Healthcare Reform**, American University in Cairo, Egypt (September 2017- November 2018) which included the following courses:
 - **Planning for Top Quality in Healthcare Services**; course grade A
 - **Quality Environment System Standards in Healthcare**; course grade A
 - **Managing Information in Healthcare**; course grade A
 - **The Basic Six Sigma Breakthrough Improvement Process**; course grade A
 - **Improving Organizational Performance**; course grade A
 - **People Management**; grade A

- **Certified Professional Diploma in Quality Management**, National Quality Institute, Cairo, Egypt (29/1/2017 - 3/4/2017). Graduation Project entitled: **Customer Complaints: Effect on Service Refinement and Continuous Improvement**". Diploma included lecture training on the following:
 - Quality Principles.
 - Quality Improvement.
 - Quality Assurance.
 - Quality Planning.
 - ISO 9001:2015
 - ISO 14001:2015
 - OHSAS 18001
 - ISO 22000
 - ISO 26000
 - Accreditation / ISO17000
 - E.F.Q.M.
 - Six Sigma
 - Lean Management.
 - Total Quality Management.

C. Other Qualifications:

- **Professional Certified Trainer**, American University in Cairo, Egypt (21st May 2018- 7th July 2018); course grade: **A**.

Professional work experience:

A- Healthcare profession experience-positions:

- (February 2019 - Present) Director of the Central Unit for Healthcare Quality, Assiut University Hospitals, Assiut University, Assiut, Egypt. Central Unit for Healthcare Quality is responsible for:
 - Increase awareness of staff working in Assiut University Hospitals about Healthcare Quality and importance of its implementation.
 - Training of staff working at Healthcare Quality Units in Assiut University Hospitals.
 - Supervision on Healthcare Quality Units in Assiut University Hospitals.
 - Training of Assiut University Hospitals Staff on National Healthcare Quality Standards.
 - Development and implementation of Clinical Practice Guidelines, Clinical Pathways and Clinical Privileging in Assiut University Hospitals.
 - Revision of Healthcare Quality documents.
 - Auditing on Healthcare Quality Systems in Assiut University Hospitals.
 - Preparation and implementation of the General New-Employee Orientation Program in Assiut University Hospitals.
 - Preparation, implementation and supervision of the General Pre-Employment Orientation Program for Resident Doctors in Assiut University Hospitals.
- (May 2014 – 27th February 2019) Technical Manager, Laboratory of Clinical Immunology, Assiut University Hospital, Assiut, Egypt.
 - Preparation of the laboratory for Accreditation and the laboratory was accredited by Egyptian Accreditation Council (EGAC) in compliance with the requirements of ISO 15189:2012 on August 16, 2018.
 - Verification and validation of methods used in the laboratory.
 - Ensuring that calibration and maintenance programs of laboratory equipments are implemented by the authorized personnel.
 - Technical examination of supplied instruments, reagents, material and consumables.
 - Ensuring that all technical personnel implement the technical procedure and maintain documents and records according to the standardized procedure.

- Conducts effective performance evaluations for laboratory personnel competency and monitor the laboratory's performance in relation to the work performed.
- Ensure that internal and external quality control procedures that verify quality of results are implemented by the authorized personnel.
- Coordinates reviews and revisions of technical documents.
- Implementing corrective and preventive actions on daily test results where necessary.
- Consider all complaints, corresponding investigations and corrective actions.
- (May 2014 – December 2016) Document Controller, Laboratory of Clinical Immunology, Assiut University Hospital, Assiut, Egypt.
 - Preparation and Control of documents of quality management system required for ISO 15189:2012 Accreditation.
 - Ensure proper document identification, register and distribution.
 - Prevent unintended use of obsolete documents.
 - Proper identification, collection, indexing, storage, access and safe disposal of the laboratory records.
- (May 2014 – December 2016) Technical Supervisor of Autoimmune Disease Unit, Laboratory of Clinical Immunology, Assiut University Hospital, Assiut, Egypt.
- (26th February 2012 – May 2014) Consultant in Laboratory Medicine, Laboratory of Clinical Immunology, Assiut University Hospitals, Assiut, Egypt.
 - Supervision of work progress and quality control in the laboratory of Clinical Immunology, Assiut University Hospital.
 - Interpretation of the results of different laboratory tests and laboratory diagnosis of infectious diseases in the laboratory of Clinical Immunology, Assiut University Hospital.
 - Training of younger colleagues and resident doctors in the laboratory of Clinical Immunology, Assiut University Hospital.
- (17th January 2009 – 25th February 2012) resumed work as Specialist, Clinical pathology Department, Assiut University Hospital, Assiut, Egypt.
- (18th March 2007 – 16th January 2009) in a study leave to study in a foreign institution as a part of the research (thesis) that to be submitted for MD degree in Assiut University through a scholarship (mixed

supervision scholarship) awarded from the Egyptian Ministry of Higher Education.

- (11th February 2002 – 17th March 2007) Specialist, Clinical pathology Department, Assiut University Hospital, Assiut, Egypt.
 - Interpretation of the results of different laboratory tests and laboratory diagnosis of haematological and infectious diseases.
 - Supervision of work progress and quality control in the laboratories and blood bank of Assiut University Hospital.
 - Training of younger colleagues and resident doctors in the laboratories and blood bank of Assiut University Hospital.
- (1st March 1998 – 10th February 2002) Resident doctor, Department of clinical pathology, Assiut University Hospital, Assiut, Egypt.
 - Bench worker in different laboratories of Assiut University Hospital (haematology, clinical chemistry, immunology and bacteriology laboratories, and in blood bank).
 - Involved in the interpretation of the results of different laboratory tests and diagnosis of infectious and haematological diseases.
 - Training in management of the blood bank and safe blood transfusion practice.
 - Training in quality control measures in the laboratory.
- (1st March 1997 – 28th February 1998) House officer (Internship), Assiut University Hospital, Assiut, Egypt.
 - Training in the main clinical medical branches (general medicine, general surgery, obstetrics and gynaecology, and paediatrics); 2 months each.
 - Training in accidents and emergency unit, and anaesthesia; one month each.
 - Two months training in clinical pathology as a prerequisite for residency in clinical pathology.

B- Academic Positions:

- (21st January 2020 – Current) Associate Professor of Clinical Immunology, Clinical Pathology Department, Faculty of Medicine, Assiut University, Assiut, Egypt.
 - Lecture teaching of “Principles of General and Clinical Immunology” Course (Course code: CCP231B) and “Clinical Immunology” Course (Course Code: CCP231C) for Postgraduate students registered for Clinical Pathology Master Degree (CCP200).
 - Examination (written and oral) of Course CCP231B for Postgraduate students registered for Clinical Pathology Master Degree (CCP200).

- Practical teaching and practical examination of Course CCP231B for Postgraduate students registered for Clinical Pathology Master Degree (CCP200).
- Supervision of Postgraduate students in their thesis required for MSc and MD degrees.
- Examination (written and oral) of undergraduate M.B.B.Ch. (5th year) students in Clinical Pathology topics as a part of Internal Medicine Course (Course Code AMed020).
- (26th February 2012 – 20 January 2020) Lecturer, Clinical Pathology Department, Faculty of Medicine, Assiut University, Assiut, Egypt.
 - Lecture teaching and examination (written and oral) of Clinical Pathology topics as a part of Internal Medicine Course (Course Code AMed020) for undergraduate M.B.B.Ch. (5th year) students.
 - Lecture teaching of “Principles of General and Clinical Immunology” Course (Course code: CCP231B) and “Clinical Immunology” Course (Course Code: CCP231C) for Postgraduate students registered for Clinical Pathology Master Degree (CCP200).
 - Practical teaching of Course CCP231B for Postgraduate students registered for Clinical Pathology Master Degree (CCP200).
 - Supervision of Postgraduate students in their thesis required for MSc and MD degrees.
- (17th January 2009 – 25th February 2012) resumed work as assistant lecturer, Clinical Pathology Department, Faculty of Medicine, Assiut University, Assiut, Egypt.
- (20th March 2007 – 31st December 2008) Postgraduate research student in Haematological Sciences, School of Clinical and Laboratory Sciences, Faculty of Medical Sciences, Newcastle University, Newcastle upon Tyne, United Kingdom; studying TNF gene polymorphism as a marker of disease performance in Egyptian bone marrow transplant population, under supervision of Dr. Peter G. Middleton.
- (18th March 2007 – 16th January 2009) Assistant lecturer of clinical pathology on a study leave to study in a foreign institution as a part of the research (thesis) that to be submitted for MD degree in Assiut University through a scholarship (mixed supervision scholarship) awarded from the Egyptian Ministry of Higher Education.
- (26th April 2002 – 17th March 2007) Assistant lecturer of clinical pathology, Faculty of Medicine, Assiut University, Assiut, Egypt.
 - Practical class teaching and discussions in understanding the results of laboratory tests for undergraduate M.B.B.Ch. students.

- Training of younger colleagues and resident doctors in the laboratories and blood bank of Assiut University Hospital.
- (11th February 2002 – 25th April 2002) Demonstrator, Clinical Pathology Department, Faculty of Medicine, Assiut University, Assiut, Egypt.
 - Practical class teaching and discussions in understanding the results of laboratory tests for undergraduate M.B.B.Ch. students.
 - Training of younger colleagues and resident doctors in the laboratories and blood bank of Assiut University Hospital.

Language Skills:

English: Very good

- TOEFL (ITP) score 647/677; listening comprehension 68/68, structure and written expression 64/68, reading comprehension 62/67 (on 22nd April 2019)
- Standard English Proficiency Test Score: B2 (CEFR) “Independent User - upper intermediate level”, American University in Cairo on 22nd July 2017.
- Course of “English for Academic Purposes (Medical Sciences)”, Newcastle University, Newcastle upon Tyne, United Kingdom (October 11th 2007 to January 10th 2008).
- TOEFL (CBT) score: 263/300; listening: 26/30, reading: 28/30, structure&writing: 25/30 (on 19th May 2003).
- “English Language Course (Level 2)”, English Language Centre, Assiut University, Assiut, Egypt (May 2002).

Computer and Information Technology Skills:

- Training Program (as refreshing course) in Information Technology and Information Management (MS Word, MS Powerpoint, MS Excel, MS Access, Endnote, Medline and electronic resources), Newcastle University, Newcastle upon Tyne, United Kingdom (2007, 2008).
- Granted the International Computer Driving Licence (ICDL, syllabus version 4.0) after passing all the required modules (December 2006).

Presentations:

1. “**Medical Laboratories In The Context of New Health Regulations**” presented in The 12th Annual Conference of Clinical Pathology Department, Assiut University “Clinical Pathology Update”, Hurghada, Egypt (14-16 February 2020).

2. **“Why Quality in Healthcare?”** presented in The 32nd Annual International Conference of Faculty of Medicine “Pros and Cons in Medicine”, Assiut University, Assiut, Egypt (23-25 March 2019).
3. **"International Patient Safety Goals (IPSG), Patients' rights and Clinical Practice Guidelines (CPGs)"** presented in the Resident Doctors Pre-Employment Orientation Program, Assiut University (3-4 March 2019).
4. **“Laboratory Accreditation: National Standards Versus ISO Standards”** presented in The 11th Annual Conference of Clinical Pathology Department, Assiut University “Clinical Pathology Update”, Hurghada, Egypt (20-22 February 2019).
5. **“Journey of The Laboratory of Clinical Immunology Towards Accreditation in Autoantibody Testing”** presented in The 10th Annual Conference of Clinical Pathology Department, Assiut University “Clinical Pathology Update”, Hurghada, Egypt (21-24 February 2018).
6. **“Medical Laboratory Accreditation: Is It Mandatory or An Option?”** presented in The 17th Annual Conference of Clinical Pathology Department, Assiut University “Clinical Pathology Update”, Hurghada, Egypt (25-27 February 2015).
7. **“Autoantibodies and Autoimmune Diseases”** presented in “Update in Laboratory Medicine” Workshop, Assiut University Hospital, Assiut, Egypt (February 2012).

Training Programs, Courses and Workshops:

A. Quality Management, Laboratory Accreditation and Safety Training:

1. **“The 12th Quality Assurance and Laboratory Management Workshop”** organized by Clinical Pathology Department Alexandria University, Alexandria, Egypt (11 March 2020).
2. **“Hospital Quality Between Reality and Aspiration”** The First Scientific Day of The Central Quality Unit of Menoufia University Hospitals. Menoufia, Egypt (3 November 2019).
3. Training Course on **“5S – KAIZEN – TQM Approach for Improving Hospital Management and Quality Improvement”**, Tokyo Women’s Medical University, Tokyo, Japan (29 July - 2 August 2019).
4. **“Logical Framework Approach for Strategic Planning”**, Tokyo Women’s Medical University, Tokyo, Japan (26-28 June 2019).
5. **“Understanding and Implementing ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories”** Course organized by Umbrella Organization for Systems

and Consultancy Services (UOSCS), Assiut University, Assiut, Egypt (26-28 March 2019).

6. **“The 11th Quality Assurance and Laboratory Management Workshop”** organized by Clinical Pathology Department Alexandria University, Alexandria, Egypt (11 March 2019)
7. **“Role of Proficiency Testing (PT) in Medical Laboratories”** Course organized by Umbrella Organization for Systems and Consultancy Services (UOSCS), Assiut University, Assiut, Egypt (11-12 February 2018).
8. **“Scientific Day for Guidelines for Fulfillment of Technical Requirements of ISO15189:2012 for Medical Laboratory Accreditation”** Workshop organized by Clinical Pathology Department, Ain-Shams University within the Agenda of ESLM Annual Conference Workshops, Ain-Shams Hospitals Conference Center, Cairo, Egypt (18th April 2017).
9. **“Method Validation in Medical Laboratories”** Course organized by Umbrella Organization for Systems and Consultancy Services (UOSCS), Assiut University, Assiut, Egypt (21 – 22 November 2016).
10. **“Total Quality Management in Clinical Laboratories”** Workshop organized by Clinical Pathology Department, Assiut University and Future Horizons Scientific, Faculty of Medicine, Assiut University, Assiut, Egypt (25th November 2015).
11. **“Internal Audit in Medical Laboratories - ISO 15189:2012 Medical Laboratories Requirements”** Course organized by Umbrella Organization for Systems and Consultancy Services (UOSCS), Assiut University, Assiut, Egypt (30 April – 3 May 2015).
12. **“Internal Quality Control in Medical Laboratories”** Course organized by Umbrella Organization for Systems and Consultancy Services (UOSCS), Assiut University, Assiut, Egypt (23–24 December 2014).
13. **“Uncertainty of Measurements in Medical Laboratories”** Course organized by Umbrella Organization for Systems and Consultancy Services (UOSCS), Assiut University, Assiut, Egypt (21–22 December 2014).
14. **“Understanding and Implementing ISO 15189:2012 Medical Laboratories Requirements – for Quality and Competence”** Course organized by Umbrella Organization for Systems and Consultancy Services (UOSCS), Faculty of Medicine, Assiut University, Assiut, Egypt (30 October – 3 November 2014).
15. **“Occupational Health and Safety In Medical Laboratories”** course organized by Umbrella Organization for Systems and Consultancy

Services (UOSCS), Faculty of Medicine, Assiut University, Assiut, Egypt (2-4 June 2014).

16. **“Safety and Security Methods in Laboratories”** Workshop organized by Technical Center of Laboratory Instruments and Training, Assiut University, Assiut, Egypt (13-14 January 2010).
17. **Training courses in Health and Safety** (Basic health and safety, Health and safety management, Chemical safety, Biological safety, Basic fire training, Safety signs and their interpretation, Risk assessment, and Accident investigation), Safety Office, Newcastle University, Newcastle upon Tyne, United Kingdom (2007, 2008).

B. Technical Laboratory Training:

1. **“ Training on Using Fluorescent Microscope – Olympus Model BX53 with Digital Camera Model DP73”** organized by OptoScient Company, Autoimmune Disease Diagnosis Unit, Laboratory of Clinical Immunology, Clinical Pathology Department, Assiut University Hospitals, Assiut, Egypt (20th January 2019).
2. **“ Discover the Luminex Technology in Transplant Assessment” Workshop** organized by Clinical Pathology Department, Cairo University within the Agenda of ESLM Annual Conference Workshops, Cairo, Egypt (21-22 April 2018).
3. **“Hands on Autoantibody Detection by Immunofluorescence & Immunoblotting Workshop”** organized by Clinical Pathology Department, Ain-Shams University within the Agenda of ESLM Annual Conference Workshops (22-24 April 2017).
4. **“HLA Typing By Using NGS “ION S3””** Workshop organized by Clinilab, Colors Medical Laboratories, Giza, Egypt (27-29 March 2017).
5. **“HLA Typing by Molecular Biology”** Workshop organized by Clinical Pathology Department, Faculty Of Medicine, Mansoura University, Mansoura, Egypt (28-30 May 2012).
6. **“Update in Laboratory Medicine” Workshop, Assiut University Hospital, Assiut, Egypt.** In which, orally presented “Autoantibodies and Autoimmune Diseases” (February 2012).
7. **Workshop on “Polymerase Chain Reaction and Gene Expression: Explanation and Applications”**, Clinical Pathology Department, Assiut University Hospital, Assiut, Egypt (14-15 December 2010).
8. **The 7th International Course for Clinical Immunology of Infectious diseases & Introduction to Molecular Biology** (www.icci-tqm.net), Sponsored by Japan International Cooperation Agency (JICA) & the Egyptian Fund for Technical Cooperation with Africa (EFTCA),

Suez Canal University Hospital, Ismailia, Egypt (October 1st to November 4th, 2002).

9. **Workshop on “Leukodepleted Blood Transfusion”**, Clinical Pathology Dept., South Egypt Cancer Institute, Assiut, Egypt (July 2002).
10. **Symposium and Workshop on “Platelet Antigen Phenotyping and Erythrocyte Irregular Antibodies”**, Clinical Pathology Dept., Assiut University Hospital, Assiut, Egypt (May 2001).

C. Academic and General skills Training:

1. **“Using Research Metrics and Indicators Effectively in Grand Proposals”** (Online) Workshop organized by Research Academy On Campus (ELSEVIER) at Egyptian Knowledge Bank (24 September 2020).
2. **“Critical Thinking”** (Online) Workshop organized by Productivity and Quality Institute – Arab Academy for Science, Technology and Maritime Transport (5 July 2020).
3. **“Integrated Curriculum- Teaching & Learning in Integrated Curriculum”** Workshop organized by Quality Assurance Unit, Faculty of Medicine, Assiut University, Assiut, Egypt (31 March 2020).
4. **“Student Assessment in Medical Education”** Workshop organized by Quality Assurance Unit, Faculty of Medicine, Assiut University, Assiut, Egypt (16 March 2020).
5. **“Statistical Analysis in Scientific Research”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (20 - 21 March 2018).
6. **“Effective Presentation”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (13 – 14 March 2018).
7. **“Code of Ethics”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (9 – 10 August 2016).
8. **“E-Learning”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (22 – 23 May 2016).
9. **“Quality Standards in Teaching 1”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (8 – 9 May 2016).
10. **“How To Compete For a Research Fund”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (13 – 14 March 2016).
11. **“Student Assessment in Medical Education”** Workshop organized by Quality Assurance Unit and Assiut Medical Education Development Center, Faculty of Medicine, Assiut University, Assiut, Egypt (17-18 November 2012).
12. **“Scientific Publication”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (11-13 July 2009).

13. **“Communication Skills”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (7-9 July 2009).
14. **“Communication and Presentation Skills”** Workshop, Newcastle University, Newcastle upon Tyne, United Kingdom (15 May 2008).
15. **“SPSS” workshop**, Newcastle University, Newcastle upon Tyne, United Kingdom (November 2007).
16. **“Basic Statistics” and “Overview of Statistical Packages”** workshops, Newcastle University, Newcastle upon Tyne, United Kingdom (November 2007).
17. **“Introduction to Critical Appraisal”**, Newcastle University, Newcastle upon Tyne, United Kingdom (October 2007).
18. **“Methods of Scientific Research”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (17-20 June 2006).
19. **“Legal aspects in Universities”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (22-23 April 2006).
20. **“Thinking Skills”** Workshop organized by FLDC, Assiut University, Assiut, Egypt (2-4 April 2006).

Conferences:

1. The 2020 Virtual Annual Meeting II of American Association for Cancer Research (AACR) (22-24 June 2020).
2. The 2020 Virtual Annual Meeting I of American Association for Cancer Research (AACR) (27-28 April 2020).
3. **“AlexMedLab 2020”** The 10th Annual International Conference of Clinical Pathology Department Alexandria University, Alexandria, Egypt (9-10 March 2020).
4. **“Clinical Pathology Update”**, The 12th Annual Conference of Clinical Pathology Department, Assiut University, Hurghada, Egypt. **In which, orally presented “Medical Laboratories In The Context of New Health Regulations”** (14-16 February 2020).
5. **“Integrated Healthcare Model- Requirements and Challenges”** The 18th Arab Conference on New Trends in Hospital Management, The Arab Administrative Development Organization (ARADO), Cairo, Egypt (9-11 December 2019).
6. **“Pros and Cons in Medicine”**, The 32nd Annual International Conference of Faculty of Medicine, Assiut University, Assiut, Egypt. **In which, orally presented “Why Quality in Healthcare?”** (23-25 March 2019).

7. "Laboratory Medicine; Breakthrough and Boundaries" The 9th Annual International Conference of Clinical Pathology Department Alexandria University, Alexandria, Egypt (12-13 March 2019)
8. "Clinical Pathology Update", The 11th Annual Conference of Clinical Pathology Department, Assiut University, Assiut-Hurghada, Egypt. **In which, orally presented "Laboratory Accreditation: National Standards Versus ISO Standards"** (20-22 February 2019).
9. "Clinical Pathology Update", The 10th Annual Conference of Clinical Pathology Department, Assiut University, Hurghada, Egypt. **In which, orally presented "Journey of The Laboratory of Clinical Immunology Towards Accreditation in Autoantibody Testing"** (21-24 February 2018).
10. "Laboratory Medicine: Crucial Partner in Healthcare" The 28th Annual Conference of the Egyptian Society of Laboratory Medicine (ESLM), Cairo International Conference Center, Cairo, Egypt (8-10 April 2017).
11. "Smart Moves to Laboratory Excellence and Perfection" The 27th Annual Conference of the Egyptian Society of Laboratory Medicine (ESLM), Cairo International Conference Center, Cairo, Egypt (19-21 April 2016).
12. The 8th Annual Conference of Clinical Pathology Department, Assiut University, Hurghada, Egypt (2016).
13. "Laboratory Medicine: Digging For More Treasures" The 26th Annual Conference of the Egyptian Society of Laboratory Medicine (ESLM), Cairo International Conference Center, Cairo, Egypt (18 - 20 April 2015).
14. The 7th Annual Conference of Clinical Pathology Department, Assiut University, Hurghada, Egypt. **In which, orally presented "Medical Laboratory Accreditation: Is It Mandatory or An Option?"** (25-27 February 2015).
15. "Role of Faculty in Health Reforms" The 30th Annual Conference of Faculty of Medicine, Assiut University, Assiut, Egypt (26 - 29 April 2014).
16. The 2nd Medical Congress in Upper Egypt organized by Egyptian society of Tropical Medicine and Infectious and Parasitic Diseases, Assiut University, Assiut, Egypt (2-3 April 2014).
17. "Clinical Pathology Update" The 6th Annual Conference of Clinical Pathology Dept., Faculty Of Medicine, Assiut University, Assiut, Egypt (5- 7 March 2014).

18. "The Era of 360 Degree in Laboratory Medicine" The 23th Annual Conference of the Egyptian Society of Laboratory Medicine (ESLM), Cairo International Conference Center, Cairo, Egypt (18 - 20 April 2012).
19. "Challenges in Liver diseases: Therapy and Transplantation" The 13th Annual Conference of Tropical Medicine and Gastroenterology, Faculty of Medicine, Assiut University, Assiut, Egypt (21-22 March 2012).
20. "Clinical Pathology Update" The 4th Annual Conference of Clinical Pathology Dept., Faculty Of Medicine, Assiut University In Collaboration with the Egyptian Society of Haematology, Egyptian Association of Transfusion Medicine, Egyptian Society of Laboratory Medicine (*ESLM*) and Egyptian Society of Pediatric Oncology, Assiut, Egypt (February 2009).
21. North East Postgraduate Research Conference, Newcastle University, Newcastle upon Tyne, United Kingdom (October 2008).
22. "Clinical Pathology Update" The Second Annual Conference of Clinical Pathology Dept., Faculty Of Medicine, Assiut University In Collaboration with the Egyptian Society of Haematology, Egyptian Society of Blood Transfusion and Therapy, and Egyptian Society of Pediatric Haematology and Oncology, Assiut, Egypt (September 2005).
23. The IX Egyptian – French Seminar of Immunology and Molecular Biology, Faculty of Medicine, Mansoura University, Mansoura, Egypt (March 2005).
24. "Obesity: A Global Health Problem, Laboratory Implications" The 16th Annual Conference of The Egyptian Society of Laboratory Medicine (*ESLM*) in collaboration with The Egyptian Society of Applied Endocrinology, Cairo, Egypt (March 2005).
25. The 23rd Annual Conference of Faculty of Medicine, Assiut University, Assiut, Egypt (March 2005).
26. "Laboratory Guidelines In Renal Disease", The 15th Annual Conference of the Egyptian Society of Laboratory Medicine (*ESLM*) in Collaboration with the Egyptian Society of Nephrology (*ESN*), Cairo, Egypt (March 2004).
27. "New Concepts in Hematology" The First Annual Conference of Clinical Pathology Dept., South Egypt Cancer Institute, Assiut, Egypt (March 2004).
28. "New Trends in Laboratory Medicine" The First Annual Conference of Clinical Pathology Dept., Faculty Of Medicine, Assiut University

- In Collaboration with the Egyptian Society of Laboratory Medicine (*ESLM*), Assiut, Egypt (Feb. 2004).
29. “Evidence – Based Laboratory Medicine In Liver Diseases”, The 14th Annual Conference of the Egyptian Society of Laboratory Medicine (*ESLM*), Cairo, Egypt (April 2003).
30. “Organ Transplantation” The 21st Annual Conference of Assiut Faculty of Medicine, Assiut University, Assiut, Egypt (March 2003).
31. The 8th International Congress on Pediatric Laboratory Medicine “Innovations For The 21st Century”, (*ESLM & IAPLM*), Cairo, Egypt (March 2001).

Research interests:

Autoimmune diseases, SLE
Allergy, Bronchial asthma
Infectious diseases, Hepatitis
Bone marrow transplantation and GVHD,
Clinical immunology and molecular biology.

Laboratory Skills and Techniques:

- DNA extraction, polyacrylamide gel electrophoresis and agarose gel electrophoresis.
- Polymerase chain reaction (PCR) and product analysis using restriction fragment length polymorphism (RFLP) and single strand conformation polymorphism (SSCP).
- Radial immunodiffusion (RID), ELISA, immunofixation electrophoresis, recombinant immunoblot assay (RIBA) and immunofluorescence.
- Immunocytochemistry and flow-cytometric analysis of blood and bone marrow samples for diagnosis of haematological malignancies.

Publications:

Essam R. Othman, Ahmad Abo Markeb, Maha Y. Khashbah, Ibrahim I. Abdelaal, **Tarek T. ElMelegy**, Ahmed N. Fetih, Lisette E. Van der Houwen, Cornelis B. Lambalk, Velja Mijatovic: Markers of Local and Systemic Estrogen Metabolism in Endometriosis. *Reproductive Sciences* 2020. <https://doi.org/10.1007/s43032-020-00383-4>

Alameldin Mohamed Abdalla, Naglaa S. Osman, Hanaa A. Mohammad, Kotb A. Metwalley, Mostafa Embaby and **Tarek T. ElMelegy**: Food sensitization in preschool Egyptian children with recurrent wheezing. *Pediatric Research* 2020. <https://doi.org/10.1038/s41390-020-0960-0>

Wael Abd Elgwad Elsewify, Elham Ahmed Hassan, Mohamed A Mekky, Abeer Sharaf El-Din Abd El-Rehim, Zain El-Abdeen Ahmed Sayed, Mohamed Omar Abdel Malek, **Tarek TH ElMelegy**, Abeer Sabry: Usefulness of Circulating Methylated p16 as a Noninvasive Molecular Biomarker for Hepatitis C-Related Hepatocellular Carcinoma with Normal Serum Alpha-Fetoprotein Levels. *International Journal of General Medicine* 2020:13 147–155.

Essam Abd Allah, Emad Zariief Kamel, Hany M. Osman, Sayed Kaoud Abd-Elshafy, Fatma Nabil, **Tarek Taha Hanafy Elmelegy**, Hussein Elkhayat, Abdelrady Shehata Ibrahim, Ahmed Al Minshawy: Could Short-Term Perioperative High-Dose Atorvastatin Offer Antiarrhythmic and Cardio-Protective Effects in Rheumatic Valve Replacement Surgery? *Journal of Cardiothoracic and Vascular Anesthesia* 2019 December; 33 (12): 3340-3347. Doi: <https://doi.org/10.1053/j.jvca.2019.05.013>

Moumen El-Melegy, Doaa Mohamed, and **Tarek ElMelegy**, “Automatic Detection of Tuberculosis Bacilli from Microscopic Sputum Smear Images using Faster R-CNN, Transfer Learning and Augmentation” Poster presentation in the Iberian Conference on Pattern Recognition and Image Analysis (IbPRIA), Madrid, Spain, 1-4 July, 2019. **Published Chapter In:** Morales A., Fierrez J., Sánchez J., Ribeiro B. (eds) *Pattern Recognition and Image Analysis. IbPRIA 2019. Lecture Notes in Computer Science*, vol 11867: 270-278. Springer, Cham. https://doi.org/10.1007/978-3-030-31332-6_24

A.M. Esmaeel, **T.T.H. ElMelegy**, and M. Abdelgawad: Multi-Purpose Machine Vision Platform for Different Microfluidics Applications. *Biomedical Microdevices* (2019) 21: 68. Published online 4 July 2019. <https://doi.org/10.1007/s10544-019-0401-1>

Moumen El-Melegy, Doaa Mohamed, **Tarek ElMelegy**, and Mostafa Abdelrahman, “Identification of Tuberculosis Bacilli in ZN-Stained Sputum Smear Images: A Deep Learning Approach” Poster presentation in Computer Vision for Microscopy Image Analysis (CVMI) Workshop,

associated with the IEEE International Conference on Computer Vision and Pattern Recognition (CVPR), Long Beach, CA, 16-20 June, 2019.

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- Resident Award, Blood Banking, Clinical Pathology Dept., Assiut University Hospital, Assiut, Egypt (2000).
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