

Name: Douaa Sayed Mohammed.
Date of Birth: 23/11/1971.
Gender: Female.
Nationality: Egyptian.
Place of Birth: Assiut.
email: douaa_sayed@hotmail.com



Work Address: Clinical pathology Department, South Egypt Cancer Institute, Assiut University, Assiut, Egypt.

Telephone no.: Mobile phone: +201006261987

Work phone: +20882332016 (245)

Fax no.: +20882348609

Current occupation:

Assistant Professor of clinical pathology, South Egypt Cancer Institute, Assiut University (since 25 April 2010-till now)

Vice Dean for graduate studies and research in South Egypt Cancer Institute, Assiut University (24 December 2012)

Qualification Certificate:

M.B.B.Ch: Assiut University; 1995 (very good)

Msc. of Clinical Pathology: Assiut University; 2000 (very good)

M.D. in Clinical Pathology and hematological malignancy: South Egypt Cancer Institute-Assiut University; 2005

Thesis & published scientific papers:

Master degree thesis (1999):

Different antibodies against Chlamydia Trachomatis in reactive arthritis patients

Doctor degree thesis (2003):

CD34 subsets and engraftment after allogeneic peripheral blood stem cell transplantation

Scientific Papers:

1. Kamel AM, El-Sharkawy N, Mahmoud HK, Khalaf MR, El Haddad A, Fahmy O, El Fattah RA, **Sayed D**. Impact of CD34 subsets on engraftment kinetics in allogeneic peripheral blood stem cell transplantation. *Bone Marrow Transplant*. **2005** Jan; 35(2):129-36.
2. **Sayed D**, Badr G, Elsayh KE. Role of Fas (CD95) in T lymphocytes Apoptosis in malnourished children. *Journal of Pediatric Club*. **2006** Jul; Vol. 6, No. 2:65-70.
3. Elsaied A, **Sayed D**, Esmail M, Elsayed A, Helmy Sh, Allam A. Apoptosis in the CD34+ cells and Glycophorin A+ cells in thalassemic patients. *Journal of the Egyptian Society of Hematology & Research*. **2006** Sep; Vol. 2, No.2: 109-117.
4. Badr G, **Sayed D**. Human melanoma cells release soluble and functional receptors. *Egyptian Journal of Immunology*. **2006**; vol. 13 (2): 23-31.
5. Fares KM, Mostafa MG, Mohamed AA, **Sayed D**. Morphine sustained release alone or combined with ibuprofen or calcitonin for the relief of metastatic bone pain: a comparative study in patients with cancer breast. *Journal of the Egyptian Society for management of pain*. **2007** April; vol. 25 (1):9-21.
6. Mostafa MG, **Sayed D**. Effect of opioids, long term duration, on lymphocyte subsets and

natural killer cells. *Journal of the Egyptian Society for management of pain*. 2008 October vol. 26 (2).

7. **Sayed D**, Badrawy H, Ali AM, Shaker S. Immunophenotyping and immunoglobulin heavy chain gene rearrangement analysis in cerebrospinal fluid of pediatric patients with acute lymphoblastic leukemia. *Leukemia Research*. 2009; 33(5): 655-61.
8. **Sayed DM**, el-Attar MM, Hussein AA. Evaluation of flow cytometric immunophenotyping and DNA analysis for detection of malignant cells in serosal cavity fluids. *Diagnostic Cytopathology* 2009; 37:498–504.
9. Elkady A, Tanaka Y, Kurbanov F, Sugauchi F, Sugiyama M, Khan A, **Sayed D**, Moustafa G, Abdel-Hameed AR, Mizokami M. Genetic Variability of Hepatitis C Virus in South Egypt and Its Possible Clinical Implication. *Journal of Medical Virology* 2009; 81:1015–1023.
10. Abu El-Makrem MA, Mahmoud YZ, **Sayed D**, Nassef NM, Abd El-Kader SS, Zakhary M, Ghazaly T, Matta R. The role of platelets CD40 ligand (CD154) in acute coronary syndromes. *Thrombosis Research* 2009; 124: 683-688.
11. Abdel-Ghaffar HS, Elgendy HMS, Abo-Elwafa ZM, Fares KM, Ragab MH, **Sayed D**. Immunomodulatory effect of intramuscular tramadol for postcraniotomy pain in patients with supratentorial space occupying lesions. *Journal of the Egyptian Society for management of pain*. 2009 April vol. 27 (1).
12. **Sayed D**, Badr G, Maximous D, Mikhail NNH, Alhazza IM, Abu-Tarboush F. HLA-G and its relation to proliferation index in detection and monitoring breast cancer patients. *Tissue Antigens* 2010; 75: 40-47.
13. **Sayed D**, Amin NF, Galal GM. Monocyte-platelet aggregates and platelet micro-particles in patients with post-hepatic liver cirrhosis. *Thrombosis Research* 2010; May;125(5):e228-33
14. Bakry R, **Sayed D**, Galal H, Shaker S. Platelet function, activation and apoptosis during and after apheresis. *Therapeutic Apheresis and Dialysis* 2010;14(5): 457-464.
15. Abu Faddan NH, **Sayed D**, Ghaleb FM. Apoptosis and mitochondrial membrane potential changes in T lymphocytes from children with Down's syndrome. *Fetal and Pediatric Pathology* 2011; 30(1):45-52.
16. Badr G, **Sayed D**, Alhazza IM, Elsayh KI, Ahmed EA, Alwasel SH. T lymphocytes from malnourished infants are short-lived and dysfunctional cells. *Immunobiology* 2011; Mar 216(3):309-15.
17. **Sayed D**, Bakry R, El-sharkawy N, Zahran A, Khalaf MR. Flow cytometric platelet cross-matching to predict platelet transfusion in acute leukemia. *J Clinical Apheresis* 2011; 26(1):23-8.
18. **Sayed D**, Abd Elwanis ME, Abd Elhameed SY, Galal H. Does occupational exposure to low-dose ionizing radiation affect bone marrow thrombopoiesis? *International Archive of Medicine* 2011; Feb 23;4:8.
19. Hamed EA, Abu Faddan NH, Adb Elhafeez HA, **Sayed D**. Parathormone – 25(OH) - Vitamin D axis and Bone Status in Children and Adolescents with Type 1 Diabetes Mellitus. *Pediatric Diabetes* 2011; Sep;12(6):536-46
20. Abu El Makarem MA, Abdel-Aleem A, Ali A, Saber R, Shatat M, Rahem DA, **Sayed D**. Diagnostic significance of plasma osteopontin in hepatitis C virus-related hepatocellular

carcinoma. *Ann Hepatol.* 2011. Jun 1;10(3):296-305.

21. Ahmed MA, Mohamed S, **Sayed D.** Long-term antalgic effects of repetitive transcranial magnetic stimulation of motor cortex and serum beta-endorphin in patients with phantom pain. *Neurological Research* 2011; 33(9): 953-958(6).
22. Badr G, Bashandy S, Ebaid H, Mohany M, **Sayed D.** Vitamin C supplementation reconstitutes polyfunctional T cells in streptozotocin-induced diabetic rats. *European Journal of Nutrition* 2012; Aug;51(5):623-33.
23. El-Badawy O, **Sayed D,** Badary MS, Abd Alrahman ME, Elfeky MA, Thabit AG. Relations of regulatory T cells with hepatitis markers in chronic hepatitis B virus infection. *Hum Immunol* 2012; 73(4):335-41.
24. Abu El Makarem MA, Abdel Hamid M, Abdel Aleem A, Ali A, Shatat M, **Sayed D,** Deaf A, Hamdy L, Tony EA. Prevalence of occult hepatitis B virus infection in hemodialysis patients from Egypt with or without hepatitis C virus infection. *Hepat Mon.* 2012;12(4):253-8.
25. **Sayed D.,** Bakry R., El-Shazly M., El-Oteify M., Terzaki S., Fekry M. Effect of major burns on early and late activating markers of peripheral blood T lymphocytes. *Annals of Burns and Fire Disasters* 2012- vol. XXV - n.1.
26. Sewify EM, **Sayed D,** Abdel Aal RF, Ahmad HM, Abdou MA. Increased circulating red cell microparticles (RMP) and platelet microparticles (PMP) in immune thrombocytopenic purpura. *Thromb Res.* 2012 Dec 12. doi: pii: S0049-3848(12)00842-0. 10.1016/j.thromres.2012.11.021. [Epub ahead of print].
27. Badr G, Al-Sadoon MK, Rabah DM, **Sayed D.** Snake (Walterinnesia aegyptia) venom-loaded silica nanoparticles induce apoptosis and growth arrest in human prostate cancer cells. *Apoptosis.* 2012 Dec 13. [Epub ahead of print].
28. **Sayed D,** Al-Sadoon MK, Badr G. Silica nanoparticles sensitize human multiple myeloma cells to snake (Walterinnesia aegyptia) venom-induced apoptosis and growth arrest. Accepted in *Oxidative Medicine and Cellular Longevity* 2012.

Awards:

September 2009: Award for the best research in Oncology field, Assiut University.

January 2010: Award for international publication of the year 2009 from South Egypt Cancer Institute..

January 2011: award for international publication of the year 2010 from South Egypt Cancer Institute

State Incentive Award for Medical Sciences, 2011

Scientific projects, meeting & societies:

1. Member in ISAC (International Society for Analytical Cytology) no 12133
2. Trainer in the first (Basic and principals of flow cytometry), 2nd (Clinical Applications of Flow Cytometry) 27-28 March 2006 and third (Flow cytometry: a sensitive analytic tool for small populations) 12-14 Feb. 2008. Flow cytometry workshops in South Egypt Cancer Institute, Assiut University.
3. Executive director of a project “Development of Flow Cytometry Lab. South Egypt Cancer Institute Assiut University and preparation of Accreditation” .
4. Director of the research project “Hepatitis in cancer patients” funded from STDF.

Participating:

1. The 4th – 7th international flow cytometry workshops, BMT Lab, National Cancer Institute, Cairo.
2. Oral presentations in The 1st-8th international conference of the Egyptian society of hematology & research
3. Training on COM.TEC – AS.TEC (Fresenius HemoCare) in Dreieich / Germany, 2001.
4. Annual conference of Faculty of Medicine, Assiut University
5. Annual conference of the Egyptian Society of Laboratory Medicine
6. Annual conference of the Egyptian Society of Hematology
7. First international transfusion medicine congress, Cairo, March, 2006
8. Second Workshop Health Collaborative Program (Immunology & Epidemiology workshop) WHO/EMRO, Cairo, 2006
9. Training on statistical methods in medical sciences, Assiut, 2006
10. Proposal writing for international funding workshop, British council, March 2008
11. Oral presentation of an abstract titled (Effect of major burn on immunophenotype of peripheral blood T-lymphocytes) at ISBI 2008, Montreal, Canada.
12. Workshop of " Performance driven quality control" 28-30 March, 2009- Cairo, Egypt
13. Oral presentation of an abstract titled (Flow cytometric platelet cross-matching to predict successful platelet transfusion in acute leukemia) and for hematopathology cases and poster presentation of an abstract titled (Monocyte-platelet aggregates and platelet micro-particles in patients with post-hepatic liver cirrhosis) at ISH 2009, Cairo, Egypt.
14. Workshop of "Laboratory Biosafety and its level" in Molecular biology research unit with collaboration with VirginiaTech University, 27-28/12/2009 Assiut.
15. First Annual Scientific conference of the Clinical & Chemical Pathology Department Cairo University at 31 March-2 April, 2010 (Accredited by UEMS-EACCME event#3882) Credit hours earned 4:20.
16. 56th Annual SSC meeting (International Society on thrombosis and haemostasis) 22-25 May 2010 Cairo. 21 European CME credits (ECMEC).
17. Training program of "Student Evaluation" 20-22 July 2010 Assiut University.
18. Workshop of "Bone Marrow Pathology: Difficult to diagnose bone marrow lesions" 10-12 October 2010 Cairo University
19. Workshop of "Recent advances of Pathology Services in Cancer Management" 21 October 2010 SECI Assiut University (CME 10 credit points).
20. Second international conference, Clinical Oncology Department Assiut University 1-4 December 2010.
21. First Quality Seminar "Creating a culture of quality in the medical laboratory" BMT lab, NCI Cairo University 8-December 2010
22. Training program of "e-learning" 28-30 December 2010 Assiut University.
23. Flow Cytometry workshop at King Fahad Specialist Hospital- Dammam, Saudi Arabia 16-17 April 2011 Accredited by Saudi Commission for Health Specialities for 11 CME hours (Accreditation No. 17555/2011) Dated 6 March 2011)
24. Training program of "Strategic planning" 11-13 October 2011 Assiut University
25. Workshop of "ISO 15189 in medical laboratories" 29 October 2011 SECI Assiut University.
26. Training course: "Medical laboratories-particular requirements for quality and

- competence” 16-19 Nov 2011.
27. Training course: “Understanding ISO 15189: 2007 for Medical Laboratories” 16-19 Nov 2011, The Egyptian society for quality.
 28. Workshop of “Difficulties and Risk Management of Quality in Medical Lab” 15-16 Feb 2012 SECI Assiut University.
 29. Training course “Internal Audit”. 22-25 Feb 2012. The Egyptian society for quality.
 30. Training course “Safety in Medical Lab” March 2012.
 31. EUROFLOW INFINICYTE WORKSHOP APRIL 2nd-3rd 2012 DUBAI- U.A.E
 32. 4th Congress of the European Academy of Paediatric Societies in Istanbul, Turkey from October 5-9, 2012
 33. A workshop on “proficiency testing as a necessary requirement for labs accreditation” 20th Oct. 2012 Assiut University.
 34. A workshop on ISO 15189 in Blood Banks. 4-5th Nov. 2012

Supervisor of MD thesis:

1. Apoptosis studies in patients with β thalassemia
2. Flow cytometric platelet cross matching and human leukocyte antigens (HLA) typing for assessment of all immunization in patients with acute leukemia
3. The Use of Flow Cytometer in Measurement of T-Cell reconstitution after treatment of Lymphoproliferative diseases in Pediatric Patients
4. Assessment of dendritic cells and apoptosis in peripheral blood of patients with systemic lupus erythematosus
5. An immunological study on regulatory T cells and complement components in patients with Lupus Nephritis
6. Role of TLR expression in fungal infections in patients with hematological malignancy
7. STAT 3 expression and amplified BCR ABL in chronic myeloid leukemia and their relation to Imatinib therapy
8. Quantitative analysis of complement receptors, CR1 (CD35) and CR3 (CD11b), on neutrophils improves distinction between bacterial and viral infections in chest infection
9. Biomarkers of endothelial dysfunction and platelet activation in atrial fibrillation
10. Detection of PAX5 gene expression in acute leukemia
11. Effect of minimal residual disease detection on management of pediatric acute lymphoblastic leukemia at South Egypt Cancer Institute
12. Detection of Cryptosporidium in Drinking Water in Assiut University Campus and The Effect of Probiotic on its Viability and Infectivity

Supervisor of Master thesis

1. Flow cytometry in hematological diseases
2. The role of flow cytometry in diagnosis of malignant ascites
3. HLA-G molecule and its role in cancer
4. Detection of multidrug resistance in acute leukemia by flowcytometry
5. Autophagy apoptosis relationship in Anthocyanin induced cell death of human T lymphoma cell line “Jurkat”.
6. Red cell microparticles in splenectomized ITP patients compared with nonsplenectomized ITP patients
7. Monocytic tissue factor (CD142) expression in cirrhotic patients with and without type II diabetes

mellitus

8. Assessment of bone marrow involvement in Non-Hodgkin's lymphomas: comparison between immunohistochemistry and flowcytometry

Special interest:

Flow cytometry

Hematology (very good experience in bone marrow aspiration and biopsy (morphological and immunophenotyping diagnosis).

Immunohematology