

Curriculum Vitae
Dr. Abeer M. Rehan M. Youssef
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King Fahd Hospital, Madinah Saudi Arabia

Education

May 2003: M.D. in Clinical and Chemical Pathology (Hematology), Faculty of Medicine, Cairo University, Cairo, Egypt.

Thesis Title:

Development of a PCR assay for the determination of the Kell Genotype in donor blood samples.

May 1998: M.Sc. in Clinical and Chemical Pathology (Hematology), Faculty of Medicine, Cairo University, Cairo, Egypt.

Essay Title: Gene therapy in Thalassemic disorders.

December 1992: M.B.B.CH. in Medicine and Surgery, Cairo University, Cairo, Egypt.

Work Experience

August 2015-present: Consultant of Transfusion Medicine and Blood Banking, King Fahd Hospital, Madinah, Kingdom of Saudi Arabia.

Duties include:

- Overall technical and staff management.
- Supervision of the medical and educational training.
- Conducting training sessions for resident, nurses and interns on blood transfusion medicine and best practice.
- Supervising blood component preparation, blood issuing, as well as donor antibodies screening and detection operations.
- Patient blood grouping, phenotyping and antibodies identifications.
- Management of Red Blood cell, Plasma and Platelets apheresis for donation.
- Management of Therapeutic Red Cell Exchange, Plasma Exchange and Leucodepletion.
- Planning and arranging blood donation campaigns in collaboration with blood bank supervisors.
- Training doctors, technicians, and working personnel.
- Budget and financial decisions on blood transfusion center purchases and procurements tenders.

- Writing, reviewing and updating blood bank policies according to CIBAHl standards.
- Contributing to the development of blood bank improvement projects.
- Internal auditing for quality assurance procedures and infection control implementation within the blood bank.
- Contributing to the development of the action plan and proposing improvement projects for King Fahd Hospital blood bank.

Accomplishments:

January 2016-August 2021: Head of King Fahd Hospital.

September 2017: The responsible physician for Mono Nuclear Cell Harvest and infusion for the first Bone Marrow Transplant (BMT) case at King Fahd Hospital.

August 2018: Successful BMT for the second and third patients.

Duties include:

- Supervising blood component preparation and Blood issuing operations.
- Screening donor blood units.
- Management of Red Blood cell, Plasma and Platelets apheresis for donation.
- Management of Therapeutic Red Cell Exchange, Plasma Exchange and Leucodepletion.
- Autologous Stem cell separation, collection and infusion.

August 2007 – January 2012: Director of Medical Blood Transfusion Center, Kasr El-Aini hospital, Cairo University.

Duties include:

- Overall technical and staff management
- Supervision of the medical and educational training.
- Supervising and interpretation of blood unit screening for Transfusion Transmitted Diseases.
- Participating as a members of bone transplant team: cell collection in collaboration with the Oncology/ Hematology departments.
- Participating as a member of liver transplant team.
- Training of residents and house officers on blood transfusion medicine best practice.
- Planning blood donation campaigns across Egyptian governates.
- Negotiating and managing personnel contracts, equipment upgrades tenders, and maintenance contracts.
- Supervising blood distribution to other hospitals and bank clients.
- Improving and upgrading the quality of work environment at different work levels such as equipment and duty assignments.
- Training doctors, technicians, and the working personal.

- Budget and financial decisions on all blood transfusion center procurements and purchases tenders.
- Contributing to blood bank's obtaining the ISO 9001-2008 certificate.

Accomplishments:

- Took the leadership role in getting Blood Transfusion Center certified by the ISO 9001-2000 (April 2008, a three-year accreditation).
- Managed upgrading ISO certificate to ISO 9001-2008 in October 2009.
- Successfully managed getting ISO certificate in extended for three additional years in 2012.
- Collaborating as a blood transfusion consultant in the liver transplant and bone marrow transplant units.

May 1997- August 2004: Specialist in Blood Banking. Blood Transfusion Center, Kasr El-Aini hospital, Cairo University.

Duties include:

- Supervising blood component preparation and cross-matching operations.
- Supervising and interpretation of blood unit screening for Transfusion Transmitted Diseases.
- Being a member of the bone marrow transplant unit team for stem cell collection and infusion, with first case of autologous stem cell were collected on 1998.
- Managing the Plasma and platelets apheresis (Therapeutic and donation) unit.
- Collaborating as a Blood Transfusion consultant in the Liver Transplant unit

May 1994-May 1996: Visitor Resident of Clinical and Chemical Pathology, Cairo University Hospitals in the laboratories of:

- Internal Medicine Hospital.
- Pediatrics Hospital.
- Chemical Pathology Department.
- Clinical Pathology Department.

Teaching Experience

September 2020: Consultant and instructor of transfusion medicine and Blood Banking Module, Saudi Diploma for blood banking and transfusion medicine (a four-year diploma offered by King Fahd Hospital in collaboration with the Central blood bank, Madinah), Kingdom of Saudi Arabia.

Duties include:

- Interviewing potential applicants.
- Clinical training of trainees.
- Direct supervision of trainees.

- Periodical and end of diploma evaluation of trainees.
- Supervision of fellowship graduate students.

December 2018-present: Consultant and instructor of transfusion medicine and Blood Banking Module, Adult hematology fellowship, King Fahd Hospital, Madinah, Kingdom of Saudi Arabia.

Duties include:

- Clinical training of trainees.
- Direct supervision of trainees.
- Periodical and end of fellowship evaluation of trainees.

August 2015-present: Consultant of transfusion medicine and Blood Banking, King Fahd Hospital, Madinah, Kingdom of Saudi Arabia

Duties include:

- Supervision of the medical and educational training
- Conducting training sessions for resident and house officer about the blood transfusion medicine and best practice.
- Lecturing clinicians, Nursing staff, technicians and the working personnel.

August 2007 – January 2012: Medical Director of Blood Transfusion Center, Kasr El-Aini hospital, Cairo University.

Duties include:

- Supervision of the medical and educational training.
- Supervision of fellowship graduate students.
- Training of residents and house officers on blood transfusion medicine best practice.
- Training blood bank clinicians, technicians and the working personal.

Other Relevant Work Experience

- **2012 –2015:** TIBA labs: Medical director in Roxy branch.
- **2012:** Supervising the lab preparation for ISO 9001/2008 certificate application.
- **2009-2011:** Consultant TIBA labs: Head of Hematology Department diagnoses of hematological disorders
- **2003- 2009:** TIBA labs, Specialist of Hematology Department

Training and Certificates

- **October to December 2010:** Authorized Hospital Management Specialist.
- **November 2009:** The Quality Management Systems Auditor/ Lead Auditor.
- **July 2009:** Internal Quality Auditor Training course based on the ISO 9001-2008.

- **January 2009:** Medical Statistic Course.
- **December 2008 to February 2009:** Participate in the Quality Management Training Course in National Blood Transfusion Center.
- **April 2007:** Internal Quality Auditor Training course based on the ISO 9001-2000.

Publications

Peer-reviewed Journal papers:

- E. A. Hussein, N. Dawood, N. El Guindy, A. **Rehan, A.** Kamal, and K. Abdel Azeem, "Alloimmunization in Multi-transfused Egyptian Patients with B-Thalassemia", Kasr El-Aini Medical Journal. November 2007; 25-30.
- E. A. Hussein, A. A. Enein, and **A. Rehan,**" Incidence of Hepatitis B & C & HIV in Multi-transfused Egyptian Children with Thalassemia", Scientific Journal of Al-Azhar Medical Faculty (Girls), September 2006; pp 1727- 1734. 4.
- AlShehry, Nawal, Syed Ziauddin A. Zaidi, Ahmed AlAskar, Abdurahman Al Odayani, Jawaher Mubarak Alotaibi, Ahmed AlSagheir, Ayman Al-Eyadhy et al. "Safety and efficacy of convalescent plasma for severe COVID-19: interim report of a multicenter phase II study from Saudi Arabia." Saudi Journal of Medicine & Medical Sciences 9, no. 1 (2021); 16.

Conference papers:

- E. A. Hussein, N. Dawood, N. El Guindy, **A. Rehan,** A. Kamal, and K. Abdel Azeem, "Alloimmunization in Multi-transfused Egyptian Patients with B-Thalassemia", AABB Annual conference, Anaheim, California, October 2007.

Conference Attendance

- **November 2021 Jun 2020 on line activity:** Acute Lymphoblastic Leukemia Management.
- **October 2021 Jun 2020 on line activity:** 16- ICML Highlights and Hematopathology Overview 2021.
- **May 2021 Jun 2020 on line activity:** Annual Conference of the Saudi Society of Blood Marrow Transplantation – EBMT 2021 Highlights.
- **February 2021 Jun 2020 on line activity:** Oncology Internal Activities 2021
- **December 2020 Jun 2020 on line activity:** Best of Oncology Care Meeting.
- **November 2020 Jun 2020 on line activity:** Perspectives and updates for Gaucher Disease.
- **Jun 2020 on line activity:** 4th SIG Annual Meeting Immunohematology and Blood Banking in the Age of COVID-19.
- **Jun 2020 on line activity:** Anti COVID-19 Convalescent Plasma Therapy.
- **March 2020 on line activity:** Annual Saudi Hematology Congress 2020.

- **February 2020 on line activity:** Annual Saudi Hematology Research Group (SHRG) Meeting 2020.
- **February 2020 on line activity:** Hematology Year Review 2020.
- **December 2019 on line activity:** Blood Transfusion Reaction.
- **December 2019:** Basic Clinical Teaching Skills (TOT).
- **November 2019 on line activity:** Application of Advanced Practice in Blood Bank.
- **February 2019 on Line activity:** Good Manufacturing Practice (GMP).
- **February 2019:** Middle East and North Africa Hematology Forum – Madinah, Saudi Arabia.
- **December 2018:** Annual Medina Hematologic Malignancies forum- Madinah, Saudi Arabia.
- **December 2018:** Venous Thromboembolism Awareness Day Madinah, Saudi Arabia.
- **January 2018:** Hematologic Malignancies Forum- Madinah, Saudi Arabia.
- **August 2017:** Safety of Blood Transfusion- Madinah, Saudi Arabia.
- Annual Medina Symposium for Supportive Care In Cancer Patient- Madinah, Saudi Arabia.
- **May 2017:** 13th Madinah Hematology Meeting Bleeding Disorders and Thrombosis- Madinah, Saudi Arabia.
- **April 2017:** Novel Clinical Lab Approach to Disease Diagnosis And Outcome Symposium 2017- Madinah, Saudi Arabia.
- **February 2017:** 1st annual Madinah symposium on leukemia-lymphoma-myeloma- Madinah, Saudi Arabia.
- **August 2016:** Safety of Blood Transfusion- Madinah, Saudi Arabia.
- **October 2010:** Transfusion Medicine and Quality Updates: Revolution Not Evolution (Chairperson)
- **April 2009:** AABB Mini Symposium & Assessor Course, Jeddah, Saudi Arabia.
- **March 2009:** XIX International Congress of ISBT, Cairo, Egypt.
- **February 2008:** The 4th International Conference of The Egyptian Society of Hematology & Research, Cairo, Egypt.
- **March 2006:** The XVII Annual Conference of The Egyptian Society of Laboratory Medicine, Cairo, Egypt.
- **March 2006:** The First Pan Arab Congress of Liver Transplantation, Cairo, Egypt.

Awards

- **Award of Appreciation by KFH Quality department:** In recognition of outstanding during COVID-19 Pandemic and research work collecting COVID-19 Convalescence plasma (2020).
- **Outstanding performance:** To recognize the outstanding healthcare delivery for patients and collaboration with service auditing at King Fahd Hospital (2018).

- **Award by Prince Faisal Ben Salman:** in recognition of the first successful BMT case (2017).
- **Exceptional performance award:** to recognize the outstanding dedicated work during The Egyptian Revolution of 25th January 2011 honored by Faculty of Medicine, Cairo University (2012).
- **Award of Appreciation by Ressler organization:** for volunteer work aimed to ensure safe and sufficient blood supply for child with regular needs for blood transfusion such as chronic anemia's (Thalassemia, sickle cell, aplastic, Fanconi and leukemias) (2009).

References

- ❖ **Prof. Dr. Zeyad Awadh Tulayhan AlJohani**, Consultant of Rheumatology and the medical director of King Faisal Specialized Hospital and Research Center, Madinah, Kingdom of Saudi Arabia.
- ❖ **Prof. Dr. Amal Al-Beihany**, Consultant of adult hematology & bone marrow transplantation, King Faisal Specialist Hospital and research center, Madinah, Kingdom of Saudi Arabia.
- ❖ **Prof. Dr. Saud Balelah**, Consultant of adult hematology, King Fahd Hospital, Madinah, Kingdom of Saudi Arabia.
- ❖ **Prof Doctor Insherah Barnawi**, Consultant of adult hematology and head of Hematology Department, King Fahd Hospital, Madinah, Kingdom of Saudi Arabia.
- ❖ **Prof. Dr. Abdulhalem Jan**, Laboratory and blood bank director at King Fahd Hospital, Madinah, Kingdom of Saudi Arabia.
- ❖ **Prof. Dr. Abdullah AlMutairi**, Consultant of microbiology and the medical director of Laboratory and blood bank, King Fahd Hospital, Madinah, Kingdom of Saudi Arabia.
- ❖ **Prof. Dr. Azza Mustafa**, Professor of Hematology, Clinical and Chemical Pathology. Faculty of Medicine, Cairo University.
- ❖ **Prof. Dr. Hazem Abo-Youssef**, Professor of Chemical Pathology, Clinical and Chemical Pathology. Faculty of Medicine, Cairo University.
- ❖ **Prof. Dr. Manal Mohamed Kamal**, Professor of Chemical Pathology, Clinical and Chemical Pathology. Faculty of Medicine, Cairo University.
- ❖ **Prof. Dr. Mai Sharif**, Professor of Immunology, Clinical and Chemical Pathology. Faculty of Medicine, Cairo University.

Abeer Rehan