

Under the Patronage of His Excellency the Minister of Health
Mr. Fahad bin Abdulrahman Al-Jalajel



فصل وتصنيع مشتقات البلازما
واليقظة الدموية
Plasma Fractionation &
Hemovigilance

in collaboration with
Blood Banks Friends Charity (Damy)
and Arab Authority for Blood Transfusion

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WorkShop
16-15
MARCH
2023



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League of Arab States

The Arab League charter was signed on the 22nd of March, 1945 by the representatives of the Arab countries. Its establishment came to prove the closeness of a multiple bonds between all Arab states and in order to consolidate these ties and guide them to the best of all the Arab countries as well as to ensure their future and achieve their aspirations in response to the Arab public opinion in all Arab countries

Objectives of League of Arab States

- 1.Consolidating relations among Arab countries
- 2.Safeguarding the independence of member-states
- 3.Coordinating the plans and policies among member-states
- 4.Enhancing cooperation in economic, cultural, social, health and other fields
- 5.Looking into the Arab states' interests and affairs in general
- 6.Cooperating with international bodies to ensure security and peace and regulate economic and social relations

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Arab Authority for Blood Transfusion

Arab Authority for Blood Transfusion Services

The Arab Authority for Blood Transfusion Services was established by Resolution No. (118) issued by the regular session of the Council of Arab Ministers of Health in March 1979, as a working body under the umbrella of the Health Department (Technical Secretariat of the Council of Arab Ministers of Health) of the General Secretariat of the League of Arab States.

- 1-Work to strengthen and intensify cooperation between blood transfusion centers in the Arab world.
- 2-Benefiting from Arab experiences in the field of blood transfusion, continuing medical education and training, and exchanging experiences.
- 3-Linking channels of communication with international organizations and institutions specialized in the field of blood transfusion.
- 4- Establishing a unified Arab program for basic examinations and infectious diseases transmitted through blood.

5-Urging Member States to apply the best procedures and work methods in the following areas:

- A- Proper selection of a blood donor
- b- Encouraging voluntary donation without material consideration
- C- Blood safety tests and ensuring the provision of safe blood
- D - optimal use of blood components
- E- Applying the latest methods and modern technologies to ensure the safety and integrity of blood.
- G- Applying comprehensive quality systems and calibrating blood transfusion procedures



Dr. Hind Abdullatif Alhumaidan

CEO of Blood Transfusion Operations Services
Health Support Services Center

Since its establishment, the Kingdom of Saudi Arabia has been keen to pay attention to the health of citizens and residents on its land. From this standpoint, the Ministry of Health, within the plans and strategies of Vision 2030, is keen to promote and advance health, including strengthening ties of cooperation and partnerships with health authorities, organizations and associations, holding conferences and workshops, and inviting specialists and experts from all over the world. To take advantage of what they have and exchange opinions for the development of health services.

In this regard, the Ministry of Health is pleased to welcome its guests, members of the Arab Authority for Blood Transfusion Services, and participating speakers from around the world in the work of the two workshops on "Plasma Fractionation and Hemovigilances workshops" on February 15-16, 2023 AD, and wishes everyone success in achieving the desired goals, and coming up with recommendations and results that support and improve blood transfusion services.

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By virtue of the Royal Decree No. 5/11/8697, dated 26/08/1370H./1951, MOH was established as a specialized body, assuming full supervision of health affairs in the Kingdom. MOH witnessed great developments that were milestones on the road to advancing the health sector and achieving the aspirations of His Majesty King Abdulaziz bin Abdulrahman, May Allah bestow His mercy upon him

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Vision:

A healthy society in a sustainable and world-class health system enabled by digital systems.

Mission:

To digitally enable prevention and delivery of world class, safe and efficient healthcare services in KSA.

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Honesty and transparency

5

Patient first

1

Teamwork

6

Justic

2

Initiative and productivity

7

Professionalism

3

Societal involvement

8

Quality

4

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Blood Banks Friends Charity is the first association specializing in the field of blood donation. It aims to make the blood donation process easier and to make people aware of the importance of voluntary blood donations by motivating and encouraging them. It is also intended to support blood patients under the aegis of the Ministry of (Human Resources and Social Development No (650

Vision:

A pioneer in the promotion of the culture of voluntary blood donation and in the service of people suffering from blood diseases.

Mission:

Blood Banks Friends Charity 's mission is to make the community aware of the importance of giving blood. In addition, Foster blood donors, contribute to the development of blood banking services. Moreover, In addition, support patients with chronic anaemia in cooperation with humanitarian and development partners.

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- 1-Contributing to the development in terms of Blood Bank services. Besides, increasing the level of professional work .with blood donors
- .2-Take part in providing health and advisory services for blood disease patients
- 3- participating with the competent authorities to carry out blood donation campaigns in order to reach the various sections of society.
- 4- Conduct regular, awareness programs sessions at universities and college campuses, mosques and social media in order to reach voluntary blood donation by up to 100%.
- 5- Increasing the health awareness level of the importance of voluntary blood donation.
- 6- Motivating and encouraging blood donors.
- 7- Focus attention on donor health and care and provide quality service to blood donors.

Volunteer work | Justice | Honesty and transparency | Societal involvement | .

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The plasma fractionation is one of the strategic and vital industries on a global level. Kingdom of Saudi Arabia had several experiences in investing and localizing such vital industries, and based on the Kingdom's Vision 2030, which aims to promote and improve public health, also aims to create a strong economy that is inclusive and diversified and is based on the localization of biotechnology and enhancing industry and domestic product. Accordingly, it was necessary to study and evaluate national experiences in the field of plasma fractionation, analyze the current, hold conferences and workshops in this field, and invite specialists and experts from all over the world, to take advantage of what they have and exchange opinions and experiences, conduct a study of successful reference comparisons, introduce standards for plasma collection and manufacture of its derivatives, learn about developments and challenges in this field, and strengthen cooperation ties and partnerships with organizations, and study ways of cooperation and involvement of supportive and specialized agencies in this field from medical companies, pharmaceutical and industrial sectors, from investors and scientific and health associations, and then develop action plans to overcome the existing challenges in an effort to reach a successful national experience in the field of plasma fractionation. The field of plasma

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fractionation is important for enhancing national health security, it constitutes a great concern at the Arab and international levels, and the extent of its importance became evident after the outbreak of the COVID-19 pandemic, which had a significant impact on the level of plasma stocks in many countries, especially countries that depend on Importing plasma from abroad. All of this invites for the importance of dedicating efforts at the global level to

develop solutions to raise the level of the plasma industry, which in turn guarantees the supply of health facilities with an adequate and safe amount of blood, plasma and its derivatives. Therefore, the Ministry of Health in the Kingdom of Saudi Arabia, in cooperation with the Arab Authority for Blood Transfusion Services operating under the umbrella of the Health Department in the General Secretariat of the League of Arab States, and in cooperation Charity (Damy), organized this workshop for the manufacture, collection and separation of plasma derivatives, Invite national and international expertise and involve the concerned and supportive authorities in this field, including

recommendations, results and solutions that contribute to raising the level of plasma industry services. medical, pharmaceutical and industrial companies, in an effort to come up with the best with Blood Banks Friends

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Plasma fractionation and Hemovigilance

On the other hand, there is a hemovigilance programs, which is used to track and reduce the occurrence of complications associated with blood donation, as it is considered one of the most important activities of professionals in the field of blood transfusion. All professionals who deal with transfusions are involved in blood safety, where the quality of blood transfusion begins from the first point through the attraction, selection and voluntary blood donors and extends through a series of processes until it reaches to the patient. The safety of blood products from their source, which is the blood donor, to their use in the patient, is of the utmost importance. Today, the field of hemovigilance is very broad, and includes blood components and cell preparation including donor vigilance, material vigilance, and patient safety. While there are distinctive experiences and fundamental differences in practices between countries when it comes to implementing national blood monitoring programs, which confirms the importance of discussing and studying hemovigilance, raising its efficiency, and sharing scientific and international expertise in this field.

recruitment of

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Accordingly, we present to you this scientific workshop, in which a group of specialized national and international speakers were attracted to discuss and enrich its goals, which are in the field of " Plasma Fractionation

" and in the field of " Hemovigilances" under the patronage of His Excellency the Minister of Health and with the honor and presence of Her Excellency the President of the Arab Authority for Blood Transfusion Services and members of the Authority and specialized representatives from Arab countries in order to exchange experiences and expertise, learn about developments, study difficulties and develop solutions to existing challenges, on March 15-16, 2023, and we wish everyone success in achieving the desired goals, and coming up with recommendations and results that support and upgrade blood transfusion services.

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Plasma fractionation

1

- Highlight the special standards for Plasma collection and production and its derivatives.
- Clarified the latest updates with respect to Plasma collection and production and its derivatives.
- Getting to know the most important challenges that might be faced in terms of plasma production and its derivatives.

Hemovigilance

2

- Explain and highlight the importance of Hemovigilance to the health sector.
- Increase efficiency and quality for blood donors as well as those in need of blood and its derivatives.
- Sharing international scientific expertise that is specialized in this domain.

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الرياض - RiYADH

فندق كراون بلازا

CROWN PLAZA HOTEL



**Target
groups**

The investors in
Pharmaceutical
industries

workers in
Health sector

Blood Donation
specialists

interested in
The field
of blood
Donation

medical
authorities

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Plasma Fractionation and Hemovigilance workshops

Day 1: Plasma Fractionation

Session-I

Session Time	8:30 AM – 11:00 AM
Chair	● Dr. Hind Alhumaidan, Dr. Aysha Al-malki
8:45 AM – 9:00 AM	Opening
9:00 AM – 9:30 AM	Introduction to plasma fractionation: the process and the products
9:30 AM – 10:15 AM	● Dr. Leni Bonsdorff Plasma fractionation and protein therapy: Basics to know
10:15 AM – 10:45 AM	● Dr. Ranjeet Ajmani Plasma-derived therapies: current trends and future perspectives
10:45 AM – 11:00 AM	● Mr. Ferdinando Borgese Coffee Break

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Plasma Fractionation and Hemovigilance workshops

Day 1: Plasma Fractionation.

Session-II

Session Time	11:00 AM – 12:10 AM
Chair	● Dr. Leni Bonsdorff, Dr. Ammar Alsoghayir
11:00 AM – 11:40 AM	● Plasma fractionation current situation in African continent
11:40 AM – 12:10 PM	● Dr. Faten Muftah
	● The challenges that led to the failure of plasma derivatives manufacturing in Tunisia
12:10 PM – 1:30 PM	● Dr. Slama Hmida
	● Prayer and Lunch Break

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Plasma Fractionation and Hemovigilance workshops

Day 1: Plasma Fractionation.

Session-III

Session Time	1:30 PM – 3:20 PM
Chair	Dr. Faten Muftah
1:30 PM – 2:00 PM	IPFA's view on a country plasma strategy involving the public sector ● Dr. Leni Bonsdorff
2:00 PM – 2:30 PM	Plasma production for fractionation ● Dr. Ahmad Albahrani
2:30 PM – 3:00 PM	Dry Plasma ● Dr. Abdulmajeed AlAbdulateef
3:00 PM – 3:20 PM	Q & A Session
3:20 PM – 3:50 PM	Break

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Plasma Fractionation and Hemovigilance workshops

Day 1: Plasma Fractionation.

Session-IV

Session Time **2:50 PM – 5:00 PM**

Chair	● Dr. Noor Almuzain
3:50 PM – 4:20 PM	Kedrion Biopharma and the Italia best practice on self sufficiency
	● Mr. Ferdinando Borgese
Chair	● Dr. Ahmad Albahrani
4:20 PM – 4:50 PM	Panel Discussion (How to establish a national plasma fractionation industry)
	● Dr. Hind Alhumaidan, Dr. Leni Bonsdorff, Dr. Faten Muftah
4:50 PM – 5:00 PM	Q & A Session

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Plasma Fractionation and Hemovigilance workshops

Day 2: Hemovigilance.

Session-I

Session Time	9:00 AM – 11:00 AM
Chair	● Prof. Salwa Hindawi, Dr. Ahmed Albahrani
9:00 AM – 9:30 AM	● Introduction of WHO guide of hemovigilance.
9:30 AM – 10:00 AM	● Dr. Yetmgeta Abdella
10:00 AM – 10:30 AM	● Hemovigilance: A quality tool for transfusion medicine
10:30 AM – 11:00 AM	● Dr. Ammar Alsoghayir
	● Hemovigilance at a hospital level
	● Prof. Salwa Hindawi
	● Coffee Break

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Plasma Fractionation and Hemovigilance workshops

Day 2: Hemovigilance.

Session-II

Session Time	11:00 AM – 2:00 AM
Chair	● Dr. Maha Badawi
11:00 AM – 11:30 AM	Hemovigilance, an example on the process
	● Dr. Faten Muftah
11:30 AM – 12:00 AM	The introduction of Hemovigilance in Qatar
	● Dr. Aysha Al-malki
12:00 AM – 12:30 PM	Hemovigilance in Saudi Arabia
	● Dr. Mona kandel
12:30 PM – 2:00 PM	Prayer and Lunch Break

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Plasma Fractionation and Hemovigilance workshops

Day 2: Hemovigilance.

Session-III

Session Time	2:00 PM – 5:00 PM
Chair	● Prof. Furjah Alqahtani
2:00 PM – 2:30 PM	Role of change management in successful implementation of hemovigilance programme
2:30 PM – 3:00 PM	● Dr. Abdullah Mashi Improving event reporting
3:00 PM – 3:20 PM	● Dr. Maha Badawi Partnering with consumers: Example from Australia
3:20 PM – 3:45 PM	● Dr. Anna Flynn Q & A Session
3:45 PM – 4:00 PM	Break
Chair	● Dr. Abdullah Mashi
4:00 PM – 5:00 PM	Panel Discussion (How to establish a national Hemovigilance program) ● Dr. Faten Muftah, Dr. Hind Alhumaidan, Dr. Yetmgeta Abdella, Dr. Aysha Al-malki, Dr. Mona Kandel,

Organizers

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Dr. Abdullah Ahmed Hussen Meshi

Topic:

Role of change management in successful implementation of hemovigilance program

- Consultant of blood transfusion and head of the blood bank at King Fahd Central Hospital in Jazan
- Member of the National Committee for Blood Banks
- Member of the Policy Committee and the Steering Committee of the Blood Transfusion Services Center at the Ministry of Health
- Founding member of the Working Group on Blood Immunity of the World Society of Blood Transfusion

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Dr. Mona Mohi El Din Taha kandel

Topic:

Hemovigilance in Saudi Arabia

- Audited by the Ministry of Health to apply the standards related to blood bank policies and procedures in accordance with international quality standards
- Administrative member and participant in the preparation of national guidelines for blood transfusion in the hospitals of the Ministry of Health (2021)
- Administrative member and participant in the preparation of strategic plans and decisions of blood banks for the Ministry of Health Across Saudi Arabia

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Mr. Ferdinando Borgese

Topic:

- 1- Plasma-derived therapies: current trends and future perspectives**
- 2- Kedrion Biopharma and the Italia best practice on self sufficiency**

- Regional Commercial Director Kedrion Biopharm
- Chairman of Kedrion Biopharma GmbH in Germany
- Member of the Board of Directors of Kedrion in Turkey
- Global Marketing Manager responsible for plasma-derived products
- Board of Directors of the Plasma Protein Therapeutic Association-PPTA

Organizers

Collaborators



Dr. Leni von Bonsdorff

Topic:

- 1- Introduction to plasma fractionation: the process and the products**
- 2- IPFA's view on a country plasma strategy involving the public sector**

- Executive Director, International Plasma and Fractionation Society (IPFA)
- More than 30 years of experience in plasma-derived medical products
- She held executive positions at Sanquin, Finland and worked with R&D at the Finnish Red Cross blood services

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Dr. Faten Moftah Mohamed

Topic:

**Plasma fractionation current situation in African continent
Hemovigilance, an example on the process**

- Executive Director of the Egyptian Society for Blood Services and
- President of the African Society for Blood Transfusion (AFSBT)
- Consultant, Swiss Red Cross
- Expert for the International Society of Blood Transfusion (ISBT)
- Consultant/Expert, WHO

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Dr. Ammar Hasan Alsughayir

Topic:

Hemovigilance: A quality tool for transfusion medicine

- Head of Blood Transfusion Services, Pathology and Clinical Laboratory Medicine at King Fahad Medical City
- Consultant of Transfusion Science and Hematology
- Medical Consultant in Stem Cell Therapy Laboratory

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Dr. Hind Alhumaidan

- Executive Director of the Blood Transfusion Services Operations Center at the Ministry of Health, Kingdom of Saudi Arabia
- Consultant Hematologist and Head of Pathology and Laboratory Medicine
- Director of the Blood Bank at King Abdullah Bin Abdulaziz University Hospital
- Consultant Hematologist in the Department of Pathology and Laboratory Medicine At King Faisal Specialist Hospital and Research Center.

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Dr. Maha Abdulrazak Badawi

Topic:

■ **Improving event reporting**

- Consultant Hematologist
- Director of Blood Transfusion Services at King Abdulaziz University Hospital
- Member of ISBT Academy Standing Committee
- Member of AABB Global Transfusion Forum (Education subcommittee)
- Member of Transfusion Committee at King Abdulaziz University

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Prof. Salwa I. Hindawi

Topic:

■ **Hemovigilance at a hospital level**

- Professor of Hematology and Assistant Transfusion Medicine
at King Abdulaziz University, Jeddah

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Dr. Yetmgeta Abdellah

Topic :

■ **Introduction of WHO guide of hemovigilance.**

- World Health Organization – Regional Office for the Eastern Mediterranean
- Medical Officer for Blood and other Products of Human Origin
Egypt

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Dr. Aysha Ibrahim Ahmed Al-malki -

Topic:

■ **The introduction of Hemovigilance in Qatar**

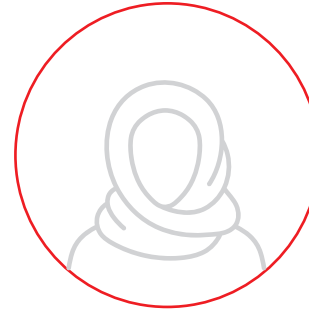
- PhD in Blood Transfusion from the Sheffield University Medical School, United Kingdom
- MSc in Blood Transfusion from University of Westminster, United Kingdom
- Head of Hemovigilance and Executive Director of the Transfusion Medicine division, Department of Laboratory Medicine and Pathology at Hamad Medical Corporation in Qatar
- Manager and founder of the HMC Corporate Blood Transfusion Committee
- Key representative of Transfusion Medicine in GCC and the Arab Blood Transfusion league

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Anna Flynn

Topic:

■ **Partnering with Consumers: Example from Australia**

- Director at the Australian Commission on Safety and Quality in Health Care

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Dr. Khadija Lahjouji

Topic:

■ **Morocco experience**

- President of the Arab Authority for Blood Transfusion services
- Executive board member of the Arab forum for transfusion medicine (ATMF)
- Member of the following scientific societies: ISBT, French society of TM (SFTS)
- Moroccan society of TM (SMTS), Asian Association of TM (AATM) and Africa Society for blood transfusion AFSBT
- Interested in Blood safety and Hemovigilance

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Dr. Ahmed Taher Albahrani

Topic:

■ **Plasma production for fractionation**

- Consultant, Pathology (Hematology), Transfusion Medicine and Stem Cell Processing, KFSHD
- Head, Stem Cell Transplantation Laboratory, KFSHD
- Head, Therapeutic Apheresis Unit, KFSHD
- Co-chairman, Hospital Transfusion Committee, KFSHD
- CBAHI Surveyor, Laboratory and Blood Bank

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Dr. Slama Hmida

Topic:

The challenges that led to the failure of plasma derivatives manufacturing in Tunisia

- Professor in Hematology Biology
- General Director of NBTC TUNISIA
- Former head of the immuno-hematology laboratory at the NBTC
- Former President of the Tunisian Society of Clinical Biology Former Director of Department of Clinical Biology at the university Director of research laboratory LR20SP05
- referenced articles 85

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Dr. Ranjeet Ajmani

Topic:

■ **Plasma fractionation and protein therapy: Basics to know**

- Doctorate in Biomedical Engineering from the Indian Institute of Technology (IIT), Mumbai.
- Faculty member at the PGI, Chandigarh.
- Has very extensive experience in blood plasma products and plasma fractionation.
- Worked at the National Institutes of Health (NIH), USA.
- Established operations of two plasma fractionation companies in India and served as the National Expert for the plasma fractionation programme at NACO/Ministry of Health and Family Welfare, Govt. of India
- Member of the organising committee for a WHO-conducted workshop on Blood Component Therapy, Plasma-Fractionation, and Hemovigilance at SEARO

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Dr. Abdulmajeed Abdulaziz AlAbdullateef

Topic:

■ **Dry Plasma**

- Transfusion Medicine Consultant in Directorate of Laboratories and Blood Banks, Ministry of Health Saudi Arabia
- Medical Supervisor in COVID-19 Laboratory, Riyadh Regional Laboratory
- Blood Bank Medical Director and consultant, Central Blood Bank, Riyadh Regional Laboratory

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بنك الدم
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