

14th PAN ARAB
TRANSFUSION
MEDICINE
CONFERENCE
QATAR 2024



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وزارة الصحة العامة
Ministry of Public Health
دولة قطر - State of Qatar



30 November to 2 December 2024

Sheraton Grand Doha Resort & Convention Hotel,
Doha, Qatar

Blood Transfusion Services Yemen-2024

DR. AHMED MANSOOR

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Blood Transfusion Services

- BTS. Initiated in the end of 1970's.
- It Was Provided mainly by Central Laboratories & Gov. branches, Also provided by public and private hospitals.
- Most of blood banks are not unified and remain under the coverage of laboratory services.

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Logo of the Ministry of Health, State of Qatar



Logo of the Ministry of Health, State of Qatar



Blood Transfusion Services

- NBTRC become the legal entity responsible for BTS and safety in the country by Republican decision No. (85) of 2005.
- Under the responsibility of the Ministry of Health and Population, **the NBTRC carries the responsibility** for upgrading, organizing and administrating the blood transfusion services.
- The NBTRC has the authority of technical supervision of blood banks for Public hospital BB and private hospital BB.

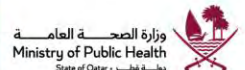
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Blood Transfusion Services

- Current status there is a great contrast in the blood transfusion services in Yemen in one hand we have a Republican decision which gives the authority and the responsibility of the blood transfusion services, which means that there is a centralized blood transfusion system and in another hand the system is still fragmented and the NBTRC's have no authority over the HBB.

So the blood transfusion services needs a political will and the commitment of the government and partners to apply the Republican decision No. (85) of 2005.

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Blood Transfusion Services

- The expertise already exists in a large number of members Arab Authority, providing us with opportunities to benefit and learn from their experiences and expertise.
- The desire to exchange knowledge and expertise is a common approach shared by all members of the Authority.
- The commitment of the World Health Organization to develop strategies to ensure safe and sustainable blood supplies.

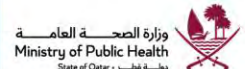
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Blood Transfusion Services

- The growing awareness among member states of the need to provide safe, effective and sustainable blood has led to concerted efforts and joint cooperation.
- The commitment of the Ministry of Public Health to activate the Republican decision and its executive regulations has an effective impact on strategies to ensure safe and sustainable blood supplies.
- Guidelines and tools to develop existing and available blood programs

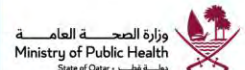
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Blood Transfusion Services

- Blood screening: all units screened for HbsAg, HbcAby, HIV, HCV, Malaria, and syphilis, using chemoilumescence (Cobas), and malaria, syphilis use chromatography device method, but 80 % of HBB use rapid test for all.
- Blood processing is implemented in the NBTRC, but the WB still exist and issued by the HBB.
- quality system is in place in the NBTRC. All the activities of the Transfusion process are recorded starting from the donors going through the processing, testing, storage and issuing.

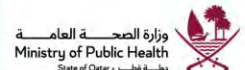
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Blood Transfusion Services

- Reagents, Blood Bags and equipment are purchased by WHO.
- Recently, WHO support training course in: QC, Monitoring & Evaluations System in The BTS.

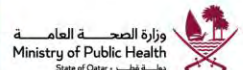
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Voluntary Blood Donors Campaigns

There is no financial support for voluntary campaigns to collect safe blood from volunteer donors



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Difficulties associated with Blood Transfusion Services

1. Due to the current political situation in the country, blood transfusion services are still suffering from a sever shortage of sufficient and migration of qualified staff to other areas and programmes, budget, infrastructure (electricity, water, space), continuous maintenance of the space and equipment's, as well as continuous training of staff.

BTS face many challenges

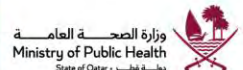
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Difficulties associated with Blood Transfusion Services

2. Fragmentation of blood transfusion centers.
3. Absence of proper organization and management of the blood supply system, highly fragmented, non-professional and full of risk for donors, personnel and patients.
4. Yemen has not participated in many activities implemented by the WHO Regional Office in 2016, aimed to improving blood supply and safety.



Difficulties associated with Blood Transfusion Services

5. Lack of an organized blood program.
6. Lack of a national blood authority.
7. Lack of public awareness regarding voluntary unpaid blood donation.
8. Lack of a national information network for blood transfusion services.



Difficulties associated with Blood Transfusion Services

9. Weak infrastructure in health care systems.
10. Limited financial resources and inadequately trained staff.
11. Partial focus on blood transfusion centers by national health authorities and partners, which largely targets emergency needs.
12. Insufficient quality system and management (Training, standards, documentation, traceability, quality control and assurance).



Difficulties associated with Blood Transfusion Services

- 13. Weak to non-existent clinical interface where clinicians are still ordering “fresh whole blood” using non-standardized and incomplete blood request forms.
- 14. No maintenance of equipment and facilities.
- 15. Shortage and interruption of power supply, fuel, reagents, Blood Bags, and supplies.
- 16. Highly unsafe waste management.

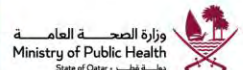
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Recommendation

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- 1) Determine the demand for blood in NBTC, and develop and implement blood collection plan to gradually meet the demand in the Governorates from blood centers.
- ✓ This will help in phasing out or at least decreasing the current practice of producing blood products in each hospital in an unsafe and inefficient manner.
- ✓ It will also help in better forecasting of needs and appropriate use of resources.



- ✓ Each hospitals in Governorates will have a blood bank that will be supplied with adequate stock of blood components from the NBTRCs.
- ✓ These hospital blood banks should focus on the patient oriented transfusion medicine functions, such as grouping and typing, cross matching, transfusion practice and hemovigilance.
- ✓ The hospital blood banks will gradually stop blood collection, testing and processing.



- 2) Establish blood donor management programme in all NBTC to create public awareness and motivation for regular, voluntary and non-remunerated blood donors and for converting family replacement donors to regular and voluntary and non-remunerated donors.
- This includes establishing blood donor management unit with motivated staff, allocating resources for public awareness, motivation and mobile blood collection, establishing blood donor clubs in universities, schools, religious institutions, businesses and other groups with potential blood donors (especially youth).



3) Provide training on quality system management for staff working in NBTC and Hospital blood banks, and on appropriate clinical use of blood for clinicians(preferably on-site training).



- 4) Provide the necessary support to ensure uninterrupted power supply, continuous supply of reagents, Blood Bags, and maintenance of equipment's.
- 5) The Government and partners should be urged to allocate appropriate and adequate budget for the implementation of a safe, efficacious, affordable and sustainable blood supply system.



6) Prepare an action plan for 2024-2025 to initiate the implementation of the recommendations listed above – by WHO and AABTS.



شركاء حسنصل غاىكم



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