



Experiences & Challenges to Start Iranian National Rare Donor Program

Iranian Blood Transfusion Organization

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Experiences & Challenges to Start Iranian National Rare Donor Program

				10 important steps to ensure success		
				Packaging & Reliable Transportation		
				Comprehensive Information Technology		
				Engineering & Technical maintenance		
				Facility and Environmental		
				Public Relation Department Collaboration		
Employee Awareness and Communication betwee				d Communication between Regional blood center		
	Accessibility to Rare anti-sera , Equipments & Consumables					
Technologist Education& Training in advanced Immunohematology						
Financial & Administrative support by Higher Management						
	Situation analysis and justification of program					





Experiences & Challenges to Start Iranian National Rare Donor Program Situation analysis, Demographic & Ethnic profile

Persian	51%
Azeri	24%
Gilaki, mazandrai	8%
Kurd	7%
Arab	3%
Lur	2%
Baloch	2%
Turkmen	2%
Other	1%

Population	75000000	2010
Provinces	31	2012
Total number of blood donation	1986992	2010 2011
Per capita donation (1000)	26.2%	2010 2011
HIV (western blot)	0.004%	2010 2011
HBV (Neutralization)/ (HBcAb)	0.20%	2010 2011
HCV (Riba)	0.061%	2010 2011
HTLV khorasan (western blot)	0.18%	2010 2011
RPR (FTA-ABS)	0.001%	2010 2010







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Volunteer Whole Blood	100 %
Autologous	Per- request
Replacement	0
Directed	0

Total number of Blood Centers/ Blood Donation Centers	218			
Blood Donation Centers	127			
Blood Collection & Preparation Centers	37			
Blood Centers	54			
Provincial Centers 31				
Regional & Educational Centers 9				



Donations from								
New donors	Lapsed donors	Regular donors	Family Replacement donors	Paid donors	Autologous donors			
27%	23.7%	49.31%	0.0%	0.0%	Per request			







Experiences & Challenges to Start Iranian National Rare Donor Program

Financial & Administrative support by Higher Management

Willingness for allocation of sufficient budget for initial establishment and continuous improvement of rare donor services of Iranian National Rare Donor program







Experiences & Challenges to Start Iranian National Rare Donor Program Technologist Education& Training in advanced Immunohematology

Emphasis on continuous education, training and improving knowledge of technologists in special serology from various provincial blood donor centers

Promoting importance of services provided to patients with difficult samples by rare donor program resulting in prevention of transfusion related adverse effect

Concern for lack of experiences to use specific advanced special immunohematology procedures

Concern for technical and human errors in reporting test results

Need for contact and collaboration with international Immunohematology Reference Laboratory for technical help and testing confirmation





Experiences & Challenges to Start Iranian National Rare Donor Program

Accessibility to Rare anti-sera, Equipments & Consumables

Access to expensive internationally accepted anti-sera

Availability of automated machines, supplies and consumables for glycerolization and deglycerolization of rare RBCs





Experiences & Challenges to Start Iranian National Rare Donor Program Employee Awareness and Communication between Regional blood center

Emphasis on employee awareness and effective communication between countries regional blood donor centers and IBTO's IRL

Promoting employee awareness on importance of rare donor program

Donor registration

Donor interviewer

Component preparation

Component storage

Packaging & shipment of collected rare blood





Experiences & Challenges to Start Iranian National Rare Donor Program Public Relation Department Collaboration

Selection of talented & people oriented employees

Continuous pleasant and good public relation skills by employees in rare blood donor program

Offering correct & complete answers to rare donor questions &concerns

Need to support rare donor moral feeling / how their blood can help patients

Continuous contact with rare blood donor to update personal information & help for retention of rare donor

Close collaboration between IBTO public relation department and IRL

Rare donor interview in local and national media for recognition of rare donors and public awareness

Meeting of rare donors, patients and surgical team in National & International blood donor days

Establishing a National Rare Blood Donor day





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Facility and Environmental

Concern for access to sufficient storage area and good environmental condition
Sufficient number of -80°C standard freezer for longer blood storage
Empty back up freezer
Controlled access area

Temperature controlled environment (-18°C-22°C) by central heating and cooling system

Central 24 hour temperature control alert system for any electrical failure





Experiences & Challenges to Start Iranian National Rare Donor Program Engineering & Technical maintenance

Access to skilled technical person for maintenance of blood group automated machines, RBC processor machines, freezers, instruments and calibrated blood bank centrifuges

Availability of equipments and spare parts from country of origin

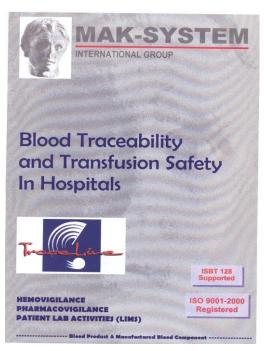


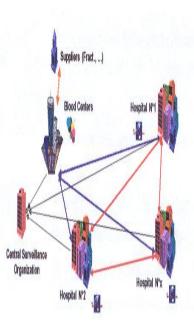


Experiences & Challenges to Start Iranian National Rare Donor Program Comprehensive Information Technology

Producing a comprehensive National Rare Donor software (Mak System) for rare donor personal information record and phenotype database archiving complete serologic test results

blood inventory management









Experiences & Challenges to Start Iranian National Rare Donor Program Packaging & Reliable Transportation

Difficulty in transporting and delivery of requested rare blood to hospital Large country with long distances Lack of experienced private company for blood transportation Delivery by Air and Land (bureaucratic procedures /ticket purchase / cancelation of flights/ flight delays)



