Azərbaycan Respublikası
Səhiyyə Nazirliyi

The importance of a centralized coordination system in the organization of organ and tissue transplantation work in Azerbaijan

Yegana A.Abbasova

Ministry of Health

- **Chairman of the Board of the Coordination Center for Organ Donation and Transplantation**

History of organ transplantation in the world

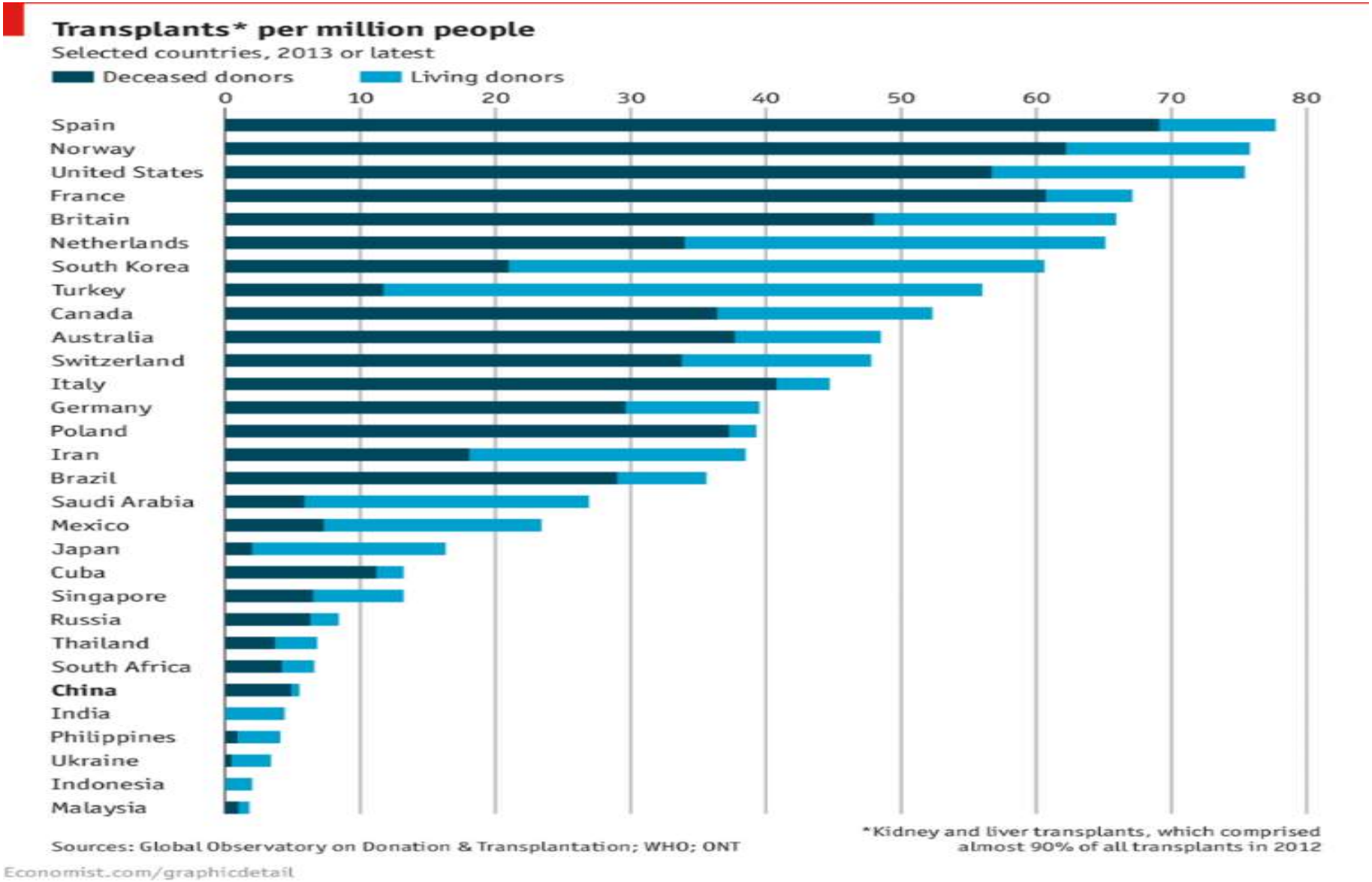
- 1905: Cornea, Edward Zirm
- 1954: Kidney, Joseph Murray (Boston)
- 1966: Pancreas, Richard Lillehei and William Kelly (Minnesota)
- 1967: liver Thomas Starzl (Pittsburgh)
- 1967: Heart, Christiaan Barnard (Cape Town, South Africa)

The first organ transplant in the history of Azerbaijan

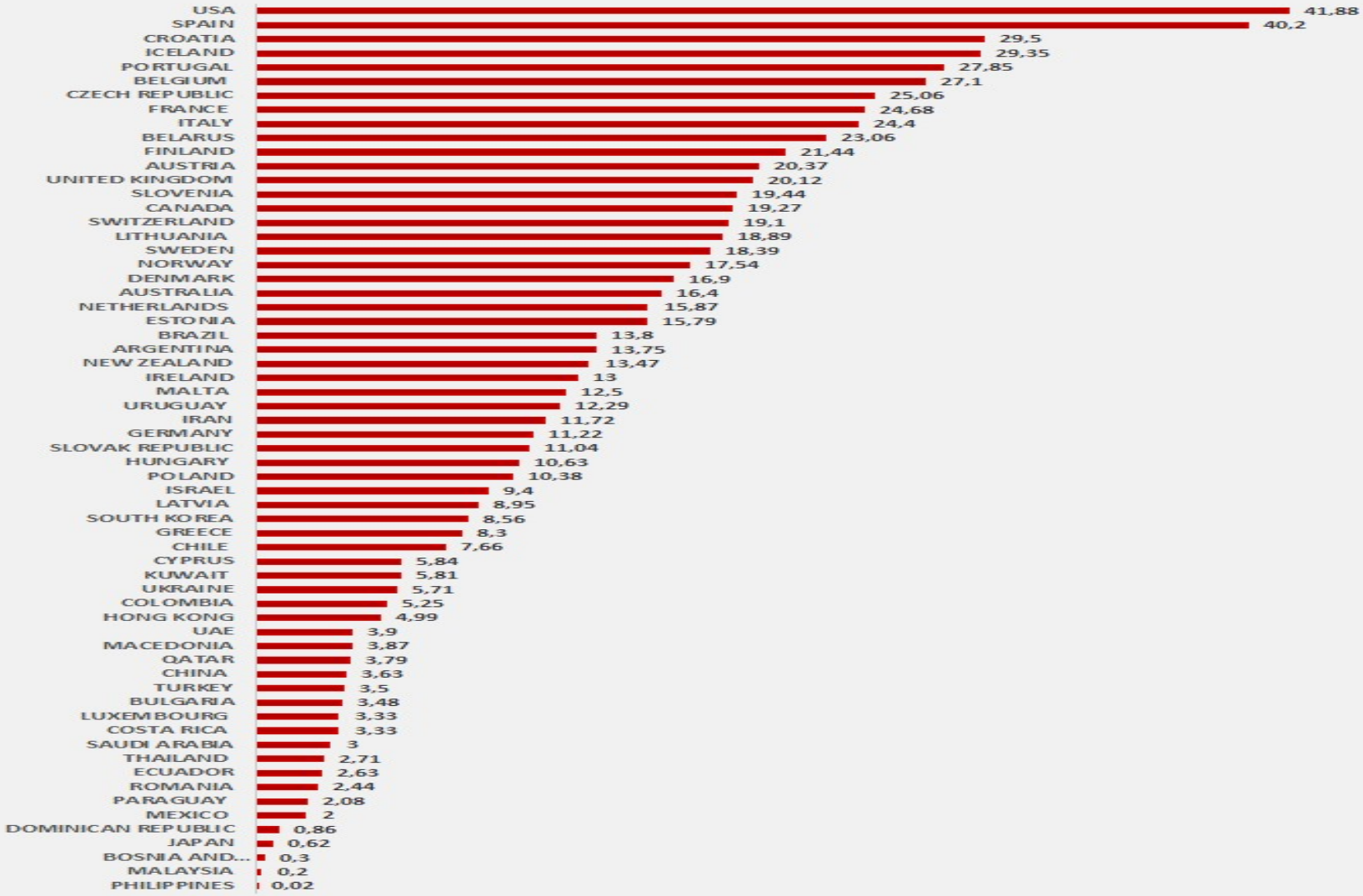
- Mirmammad Javadzade
- 1971: Kidney
- 2008: Liver

Under the leadership of Mirmammad Javadzadeh, in 1971, a kidney was transplanted to a patient for the first time not only in Azerbaijan, but also in the South Caucasus and the Near East, and for this achievement, he was awarded the USSR State Prize in 1974.

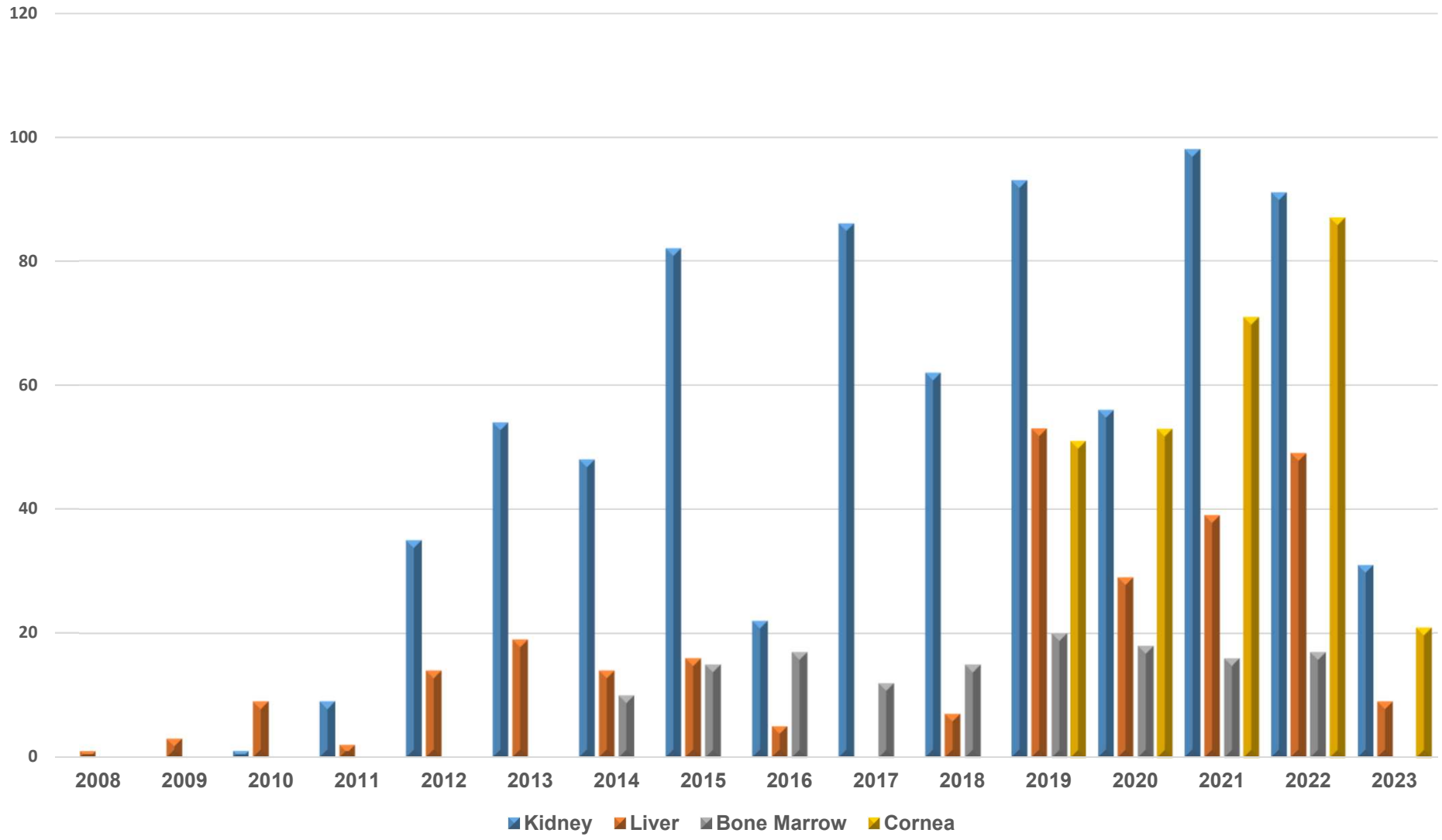
2013 WHO Differences between countries in the number of organs harvested from cadaveric and living donors



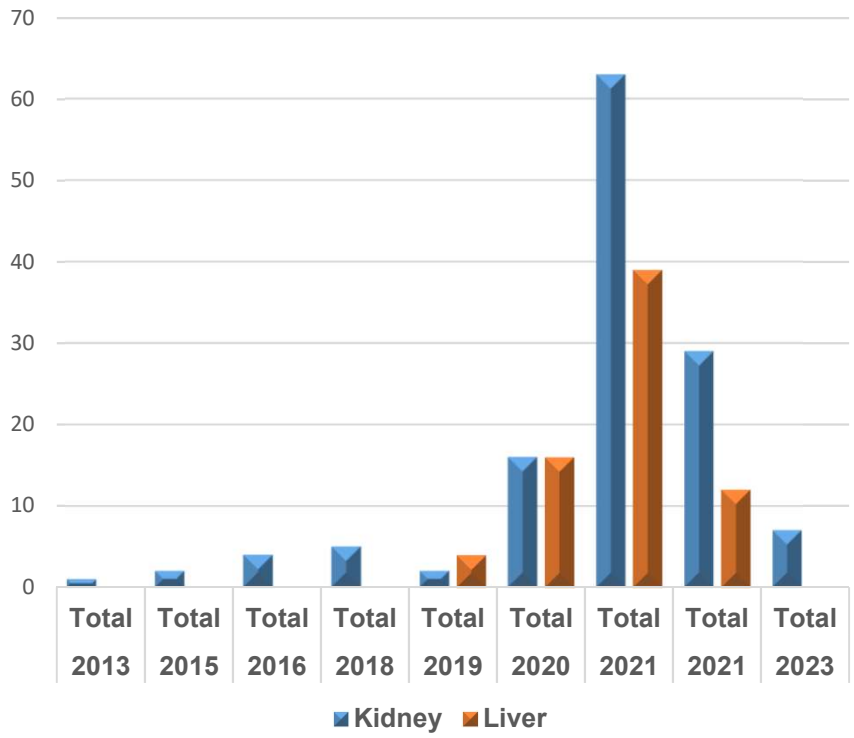
Organ donation from cadaver donor in 2021 (per 1 million population)



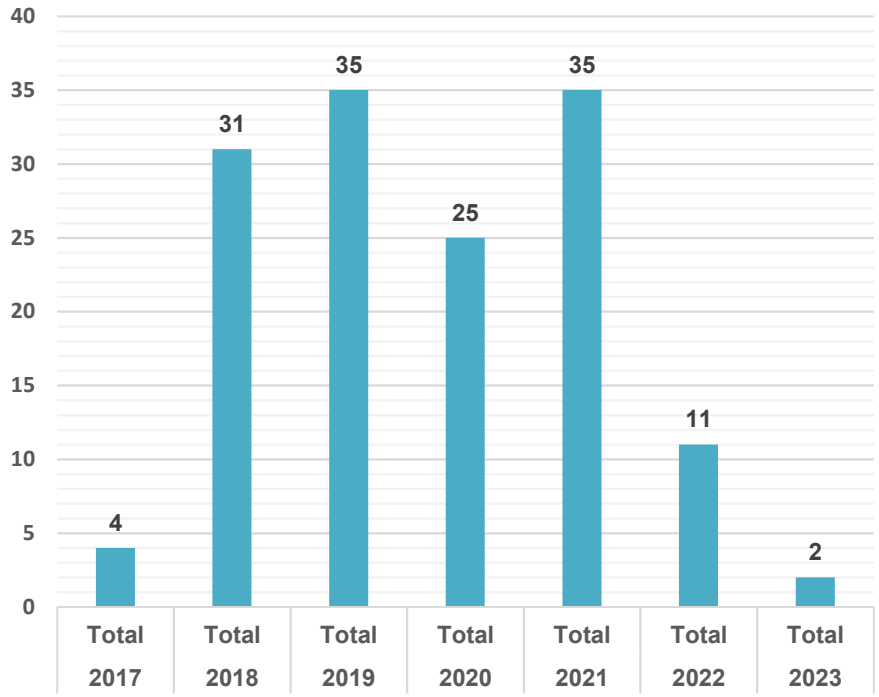
Statistics of organ transplantation in Azerbaijan by years.



Mərkəzi Klinik Xəstəxana (Central Clinical Hospital)

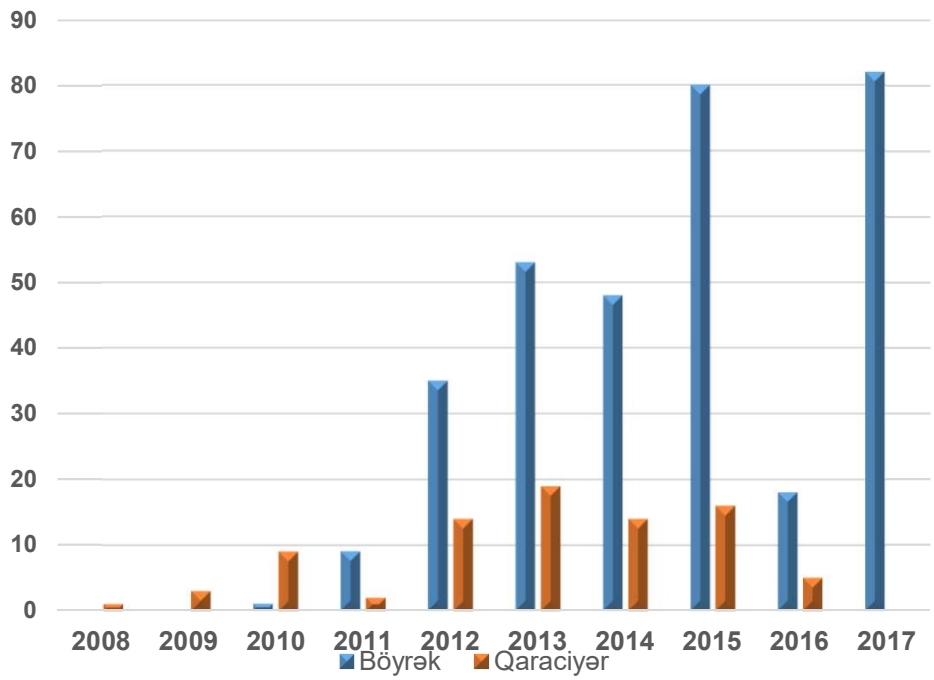


Respublika Müalicə Diaqnostik Mərkəzi (Republican Treatment Diagnostic Center)



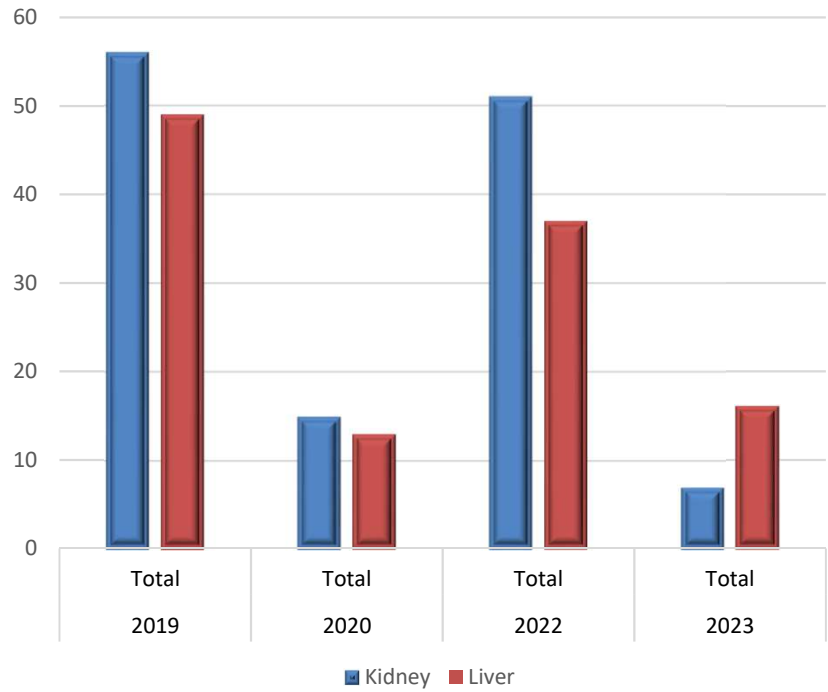
Mərkəzi Neftçilər Xəstəxanası

(Central Oilers Hospital)

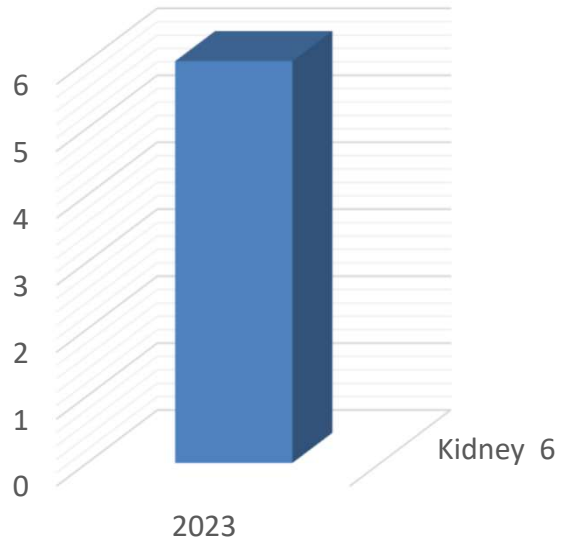


Azərbaycan Respublikası Dövlət Gömrük komitəsi

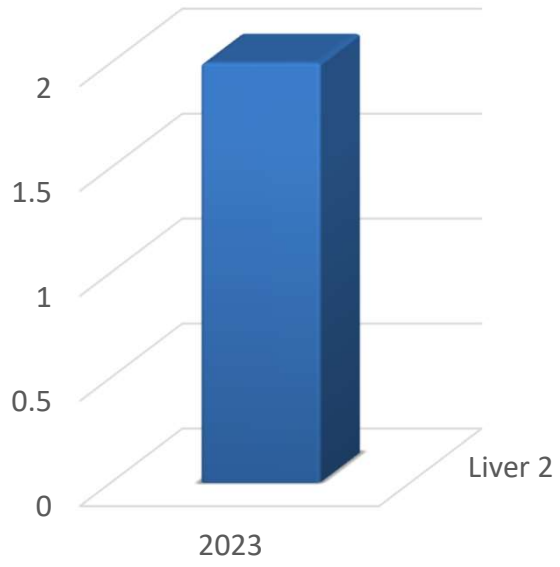
(State Customs Committee of the Republic of Azerbaijan)



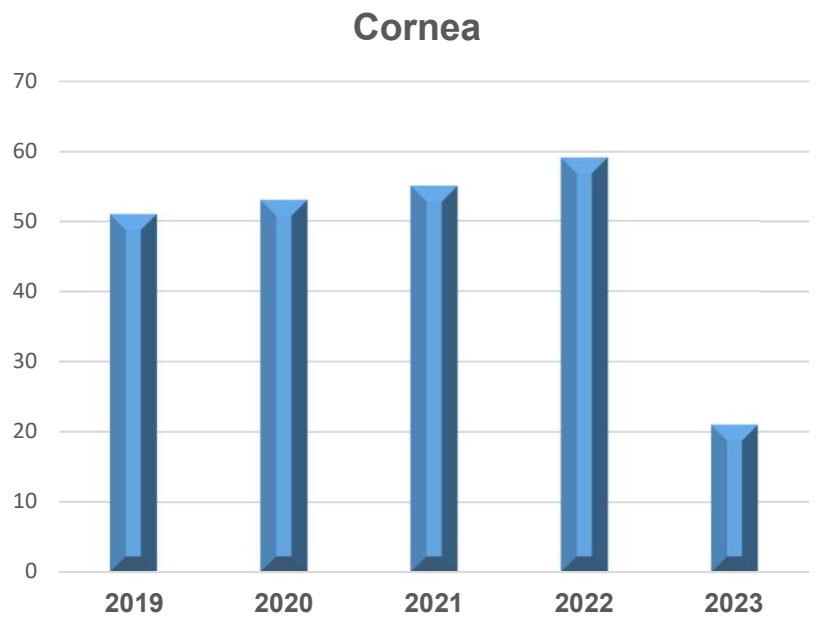
Dövlət Təhlükəsizliyi Xidmətinin Hərbi-tibb baş idarəsi (State Security Service Hospital of Azerbaijan Republic)



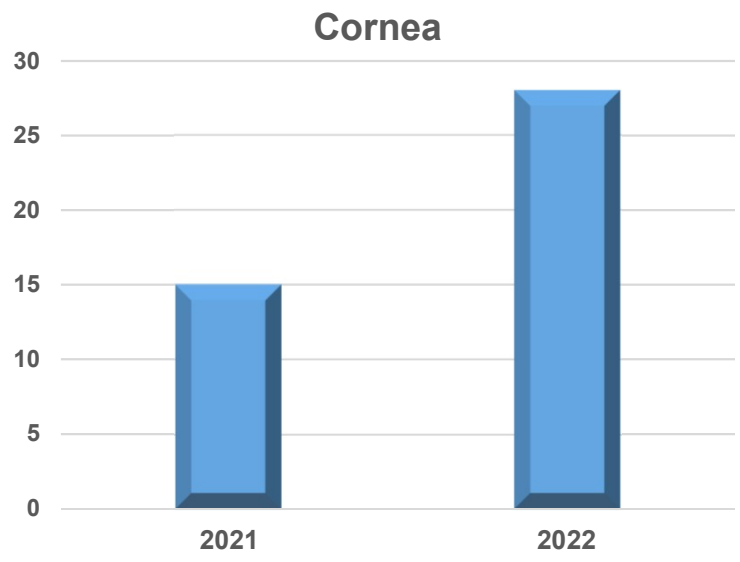
Bona Dea İnternational Hospital'



Ak. Zərifə Əliyeva adına Milli Oftalmologiya Mərkəzi (National Ophthalmology Center named Ac. Zarifa Aliyeva)

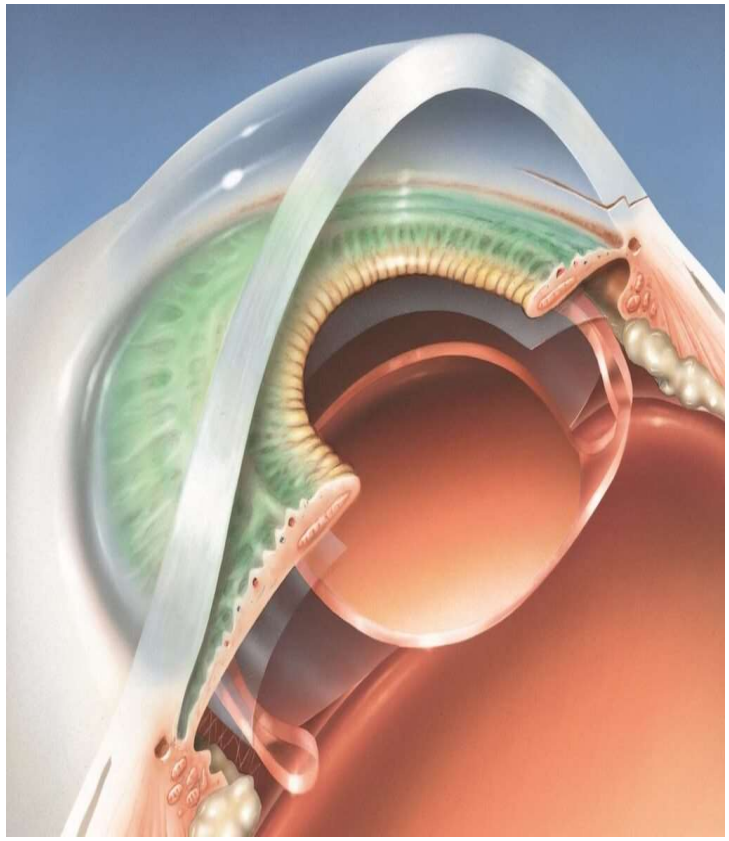


Respublika Müalicə Diaqnostik Mərkəzi(Republican Treatment Diagnostic Center)



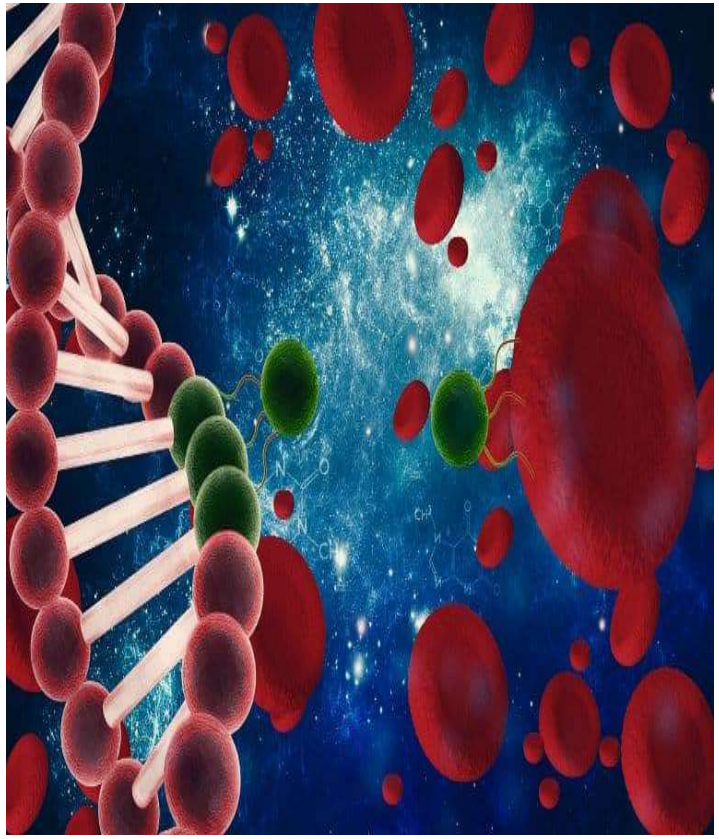
Corneal Transplantation in Azerbaijan

- 50-60 corneal transplants in the years 2008-2012 at the Zarifa Aliyeva Eye Center in Azerbaijan
- From the end of 2012 to 2018, no corneal transplantation was performed in the Republic
- 184 cornea operations during 2018-2020

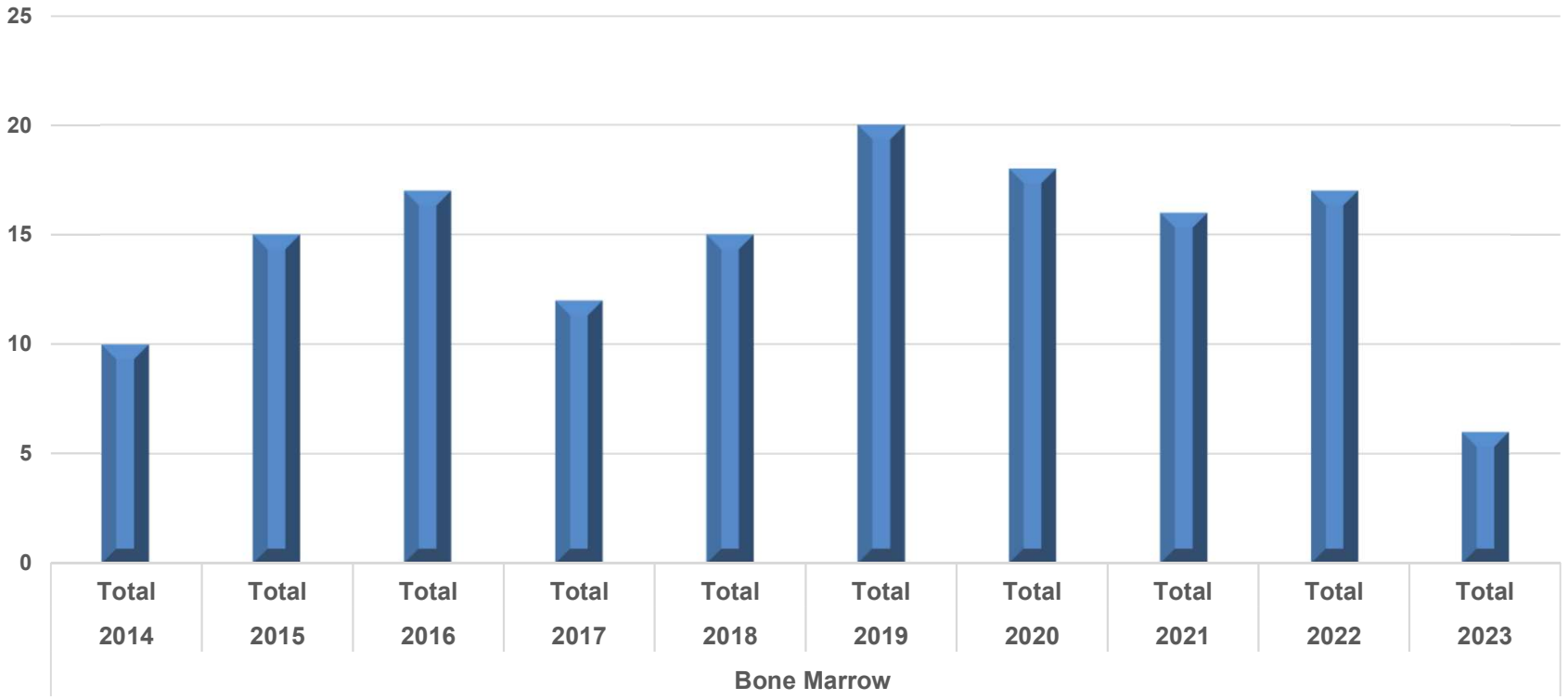


Bone Marrow transplantation in Azerbaijan

- The first transplant in Azerbaijan in May 2014
- In 2020, 16 patients underwent bone marrow surgery in Azerbaijan
- In 2021, 16 patients underwent bone marrow surgery in the Azerbaijan Republic
- 2022 Bone marrow operation underwent in 29 patients in Azerbaijan
- 26 of those operated on are between 1-12 years old



Bone marrow transplantation in Azerbaijan



Transplantations 2023

	22.06.2023		Liver	Kidney	Cornea	Reject	Accept	
Ethics Comission	Transplantation at personal expence	15	8	7		4	11	(+1 foreign =16)
State Security Service Hospital of Azerbaijan Republic	Transplantation at personal expense	6		6				
Liv Bona Dea Hospital	Transplantation at personal expense	2	2					
State Customs Committee of the Republic of Azerbaijan	Transplantation at personal expense	24	7	16				
Central Clinical Hospital	Transplantation at personal expense	7		7				
Republican Treatment Diagnostic Center	Transplantation at the expense of government	2		2				
Thalassemia	Transplantation at the expense of government	6						
National Ophthalmology Center named Ac. Zarifa Aliyeva	Transplantation at the expense of government	21			21			
	Total	68	9	31				

CCODT activity directions

- Organize and coordinate activities in the field of organ donation and transplantation;(all documentation - writing consents of donors and recipients and etc.)
- To coordinate the work of medical institutions that carry out organ donation and transplantation;
- Orqanize information system in the field of organ donation and transplantation;
- Organizing information provision in the field of organ donation and transplantation;
- Ensure the preparation of analytical material, publishing of scientific articles and materials

CCODT responsibilities

- To coordinate the work of organ transplantation from the living donor available in the country, to ensure transparency and accurate statistics
- To improve the normative legal framework for the implementation of organ transplantation from a living and deceased donor
- To prepare and start the work of organ transplantation from a deceased donors
- Maintaining a state database of donors, recipients (waiting list) and donor bodies and ensure regular updating

Brain Death diagnosis İn Azerbaijan

- Brain death diagnosis guidelines was approved by Ministry of Health in 2018

- Brain death protocol and

  Brain death checklist were approved by Scientist Board of Azerbaijan in 2023

The principle of allocation of organs taken from a cadaver donor

Organs for patients on the waiting list:

ensuring distribution according to transparency, correctness, fairness

Registers of the unified state information base

- Register of living donors;
- Register of persons who agreed to donation after death;
- Register of recipients (waiting list)
- Register of candidates for bone marrow donation;
- Register of persons transplanted with artificial organs and material;
- Register of medical institutions that carry out transplantation;
- The register of medical institutions that collect, prepare, store, transport, import and export donor organs;
- Register of transplant coordinators;
- Register of transplant doctors

Current database
Communicating information to patients, families, the public, transplant professionals, living donors and other stakeholders in an easy-to-understand manner

Work style
Basing its activity on the principles of honesty, transparency and responsibility

Equality
Giving equal opportunity to everyone regardless of religion, race, gender, nationality, position

Operativeness
Acceleration of all procedures related to organ donation and transplantation due to centralized control and coordination

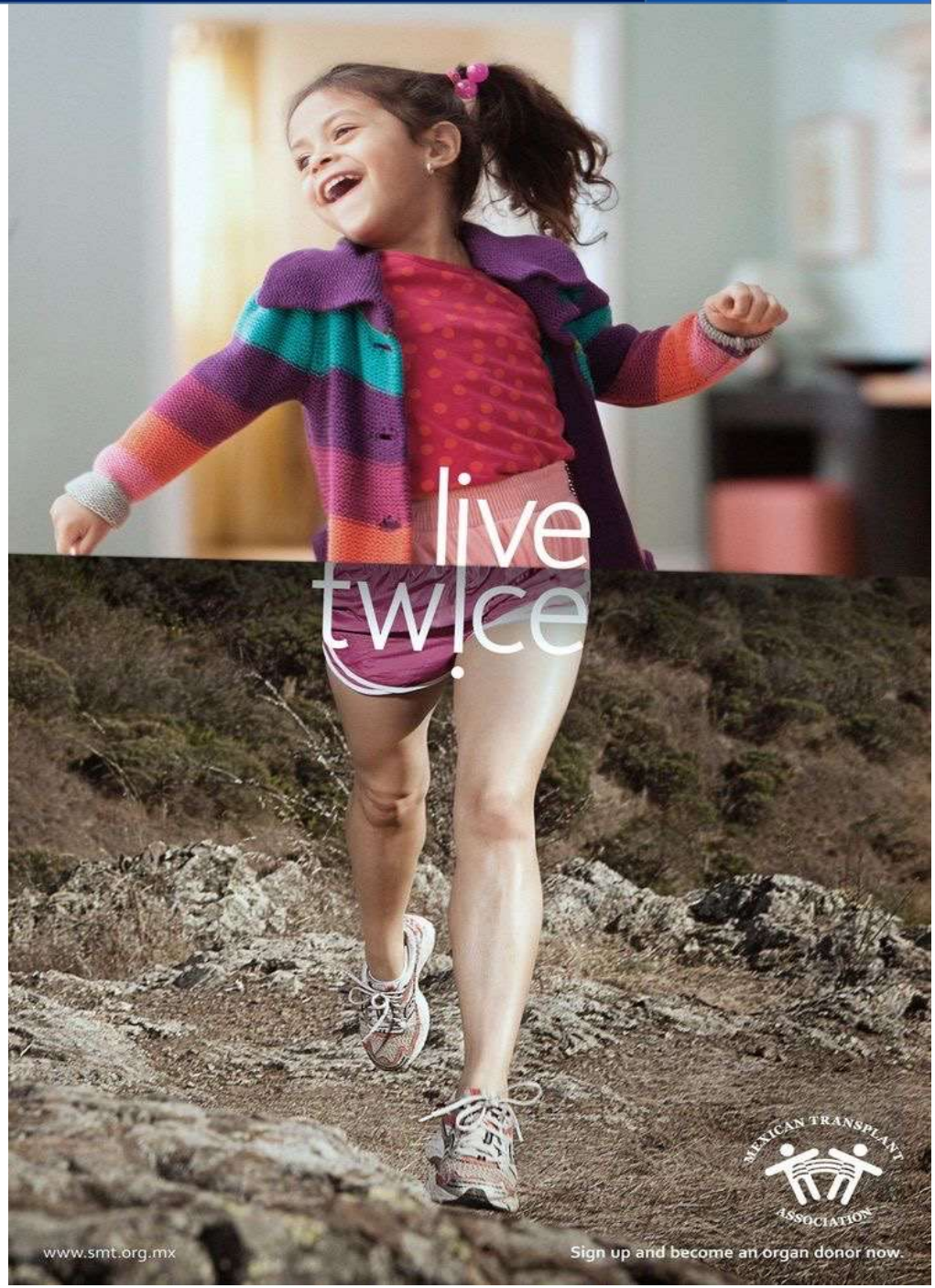
Advantages of Centralized Coordination System

Expectations

- 1. Regulation of organ donation and transplantation throughout the country
- 2. Ensuring transparency and reporting of the organ donation and transplantation process
- 3. To ensure the safety of living donors and recipients
- 4. Starting to transplant organs from deceased donors in the country
- 5. Ensuring equality and justice in the field of transplantation
- 6. Increasing the number of transplants
- 7. The last stage is prolonging the lives of chronic patients and increasing the quality of life
- 8. Kidney, liver and bone marrow transplantation operations covered by Government Insurance System.

With the guidance of the Coordination Center, families make a very brave decision to donate the organs of their loved ones.
This important conversation with the family of a potential donor who has experienced brain death is conducted by an informed employee of the Coordination Center.

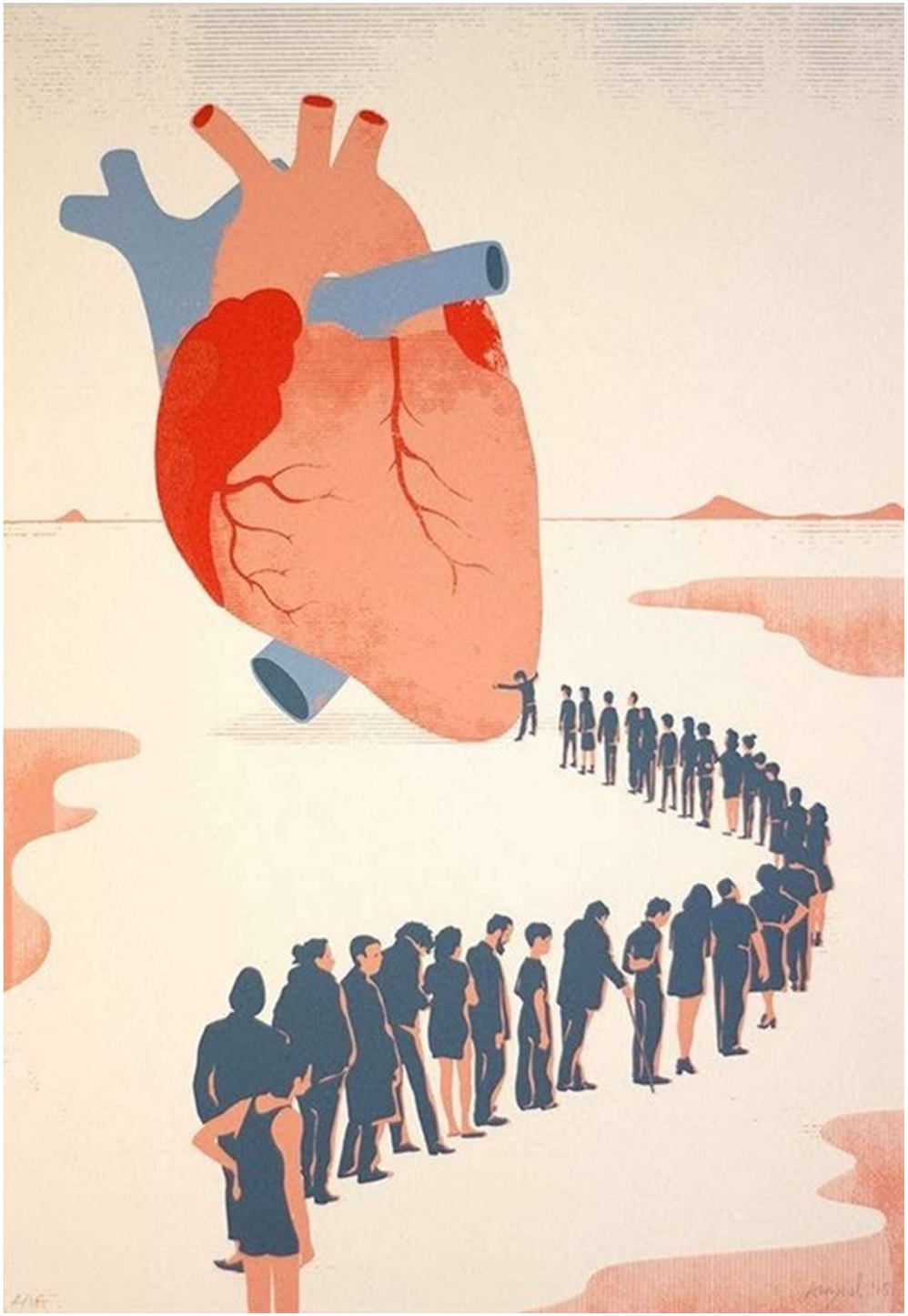
Within hours, another family receives a call they've been waiting for - the good news of the gift of life. Although they do not know the giver of this gift, they will not forget it throughout their lives.



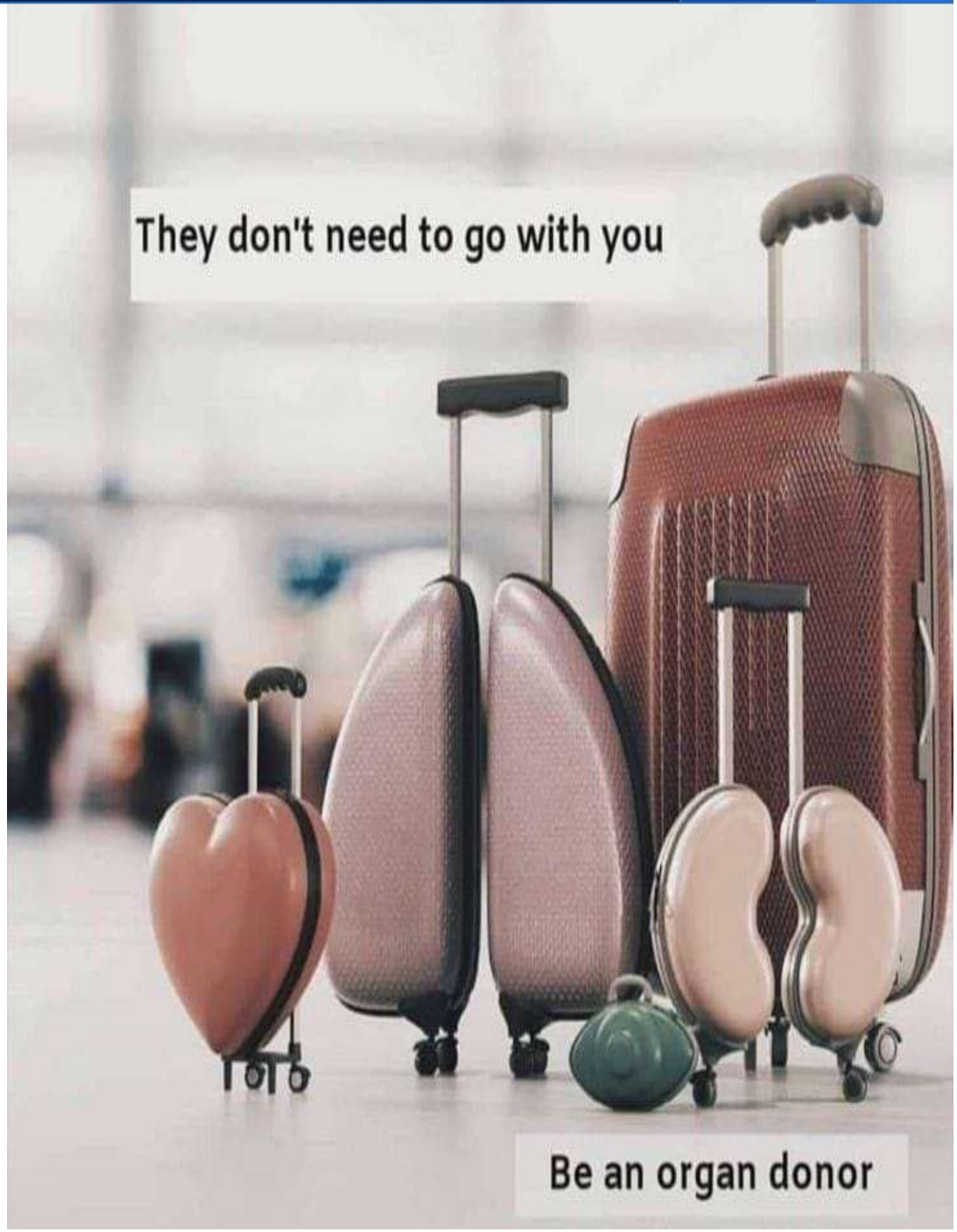
Every second is important

- Optimizing and coordinating the delivery of donor organs
- Faster delivery
- Reducing the incidence of organ loss

Every day hundreds of people die while waiting for an organ transplant.



We do not need to take these organs with us.



Thank you for your attention