



Establishing competence for organ donation and liver transplantation: a global model

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Background



Global Activity in Organ Transplantation 2012 Estimates

Kidney	Liver	Heart	Lung	Pancreas	Small bowel
77818	23986	5935	4359	2423	169

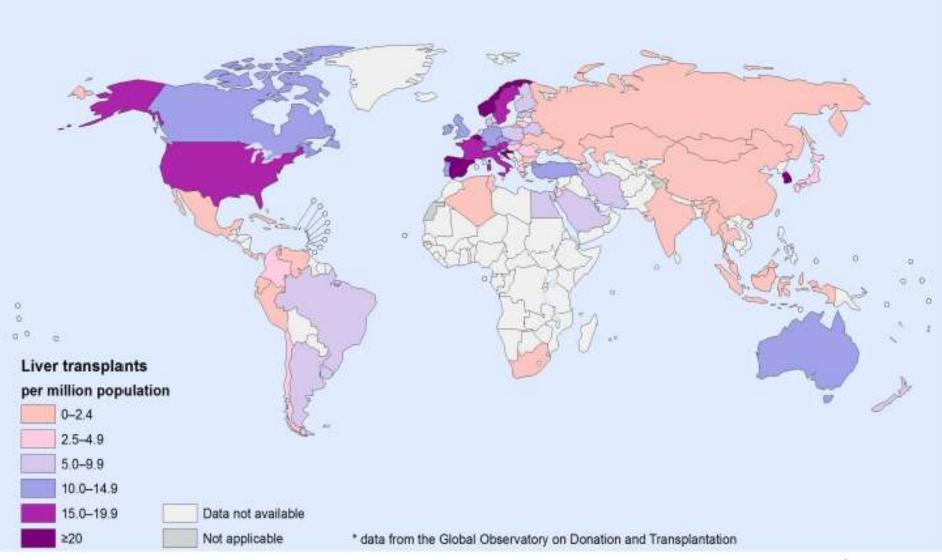
≈ 114,690 solid organs reported to be transplanted in 2012

- ≈ 1.8 % of increase over 2011
- ≤ 10% of global needs

42.3% of living kidney transplants and 18.2% of living liver

transplants

Liver transplantation activities, 2012*

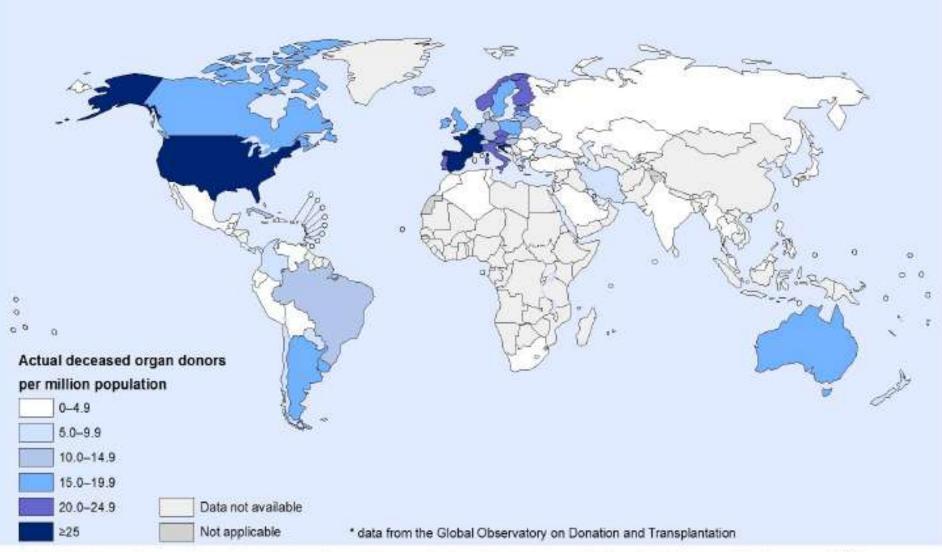


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Actual donors from deceased persons, 2012*



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World Health Organization targets

- In order to achieve national or sub-regional selfsufficiency in organ transplantation, it will be necessary to increase donations from deceased donors
- Some countries requested support from WHO and countries with successful deceased donor programs in formulating and enforcing legislation to stop commercial transplantation and <u>increase</u> <u>access to transplantation</u>

Promoting commitment to cadaveric donation and transplantation

•The excellent results obtained in transplantation made these procedures extremely interesting for most of the middle and low-income countries

•International Cooperation projects may allow these countries to start building transplant programs and guaranteeing:

- Accessibility
- Safety
- Quality
- Traceability and transparency

Liver transplant activity in the world

- Liver transplantation is performed in 60 countries around the world (living donors in 39, deceased donors in 54)
- Only 90 countries implemented specific laws on organ donation and transplantation
- Organ traceability is mandatory in 42 countries
- 35 countries survey donor and recipient health status

The Hepatic Surgery and Liver Transplantation Unit in Pisa

- Tuscany is the region with the highest rate of deceased donation in Italy
- Regional referral centre for liver disease and transplantation
- Pisa is the second most active transplant centers in Italy and among the top ten in Europe

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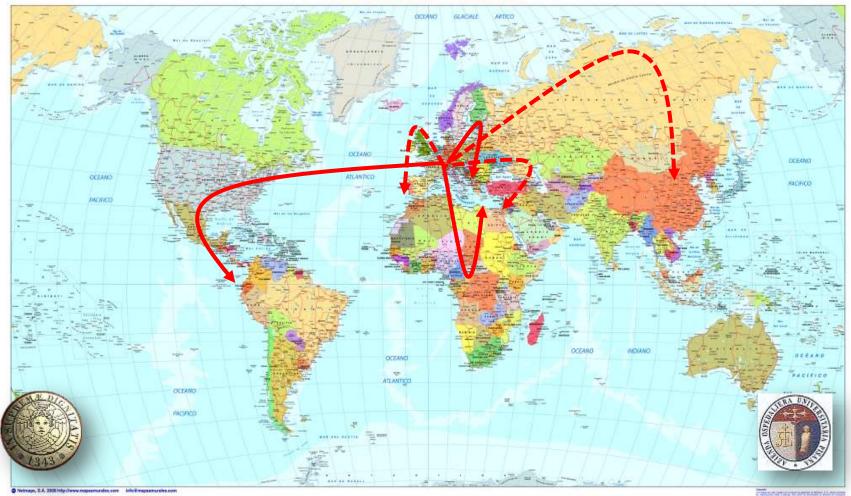
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Use of Octogenarian Donors for Liver Transplantation: A Survival Analysis

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Our International Cooperation commitment

PLANISFERO POLITICO



THEBERA: Theodor Bilharz Research Institute (TBRI) – Cairo (Egypt) in the European Research Area (FP7)



Targets:

•To support the progress of TBRI as a leading, competitive, and multidisciplinary research center for liver disease management in the Mediterranean area

•To promote the activity of cadaveric liver transplantation

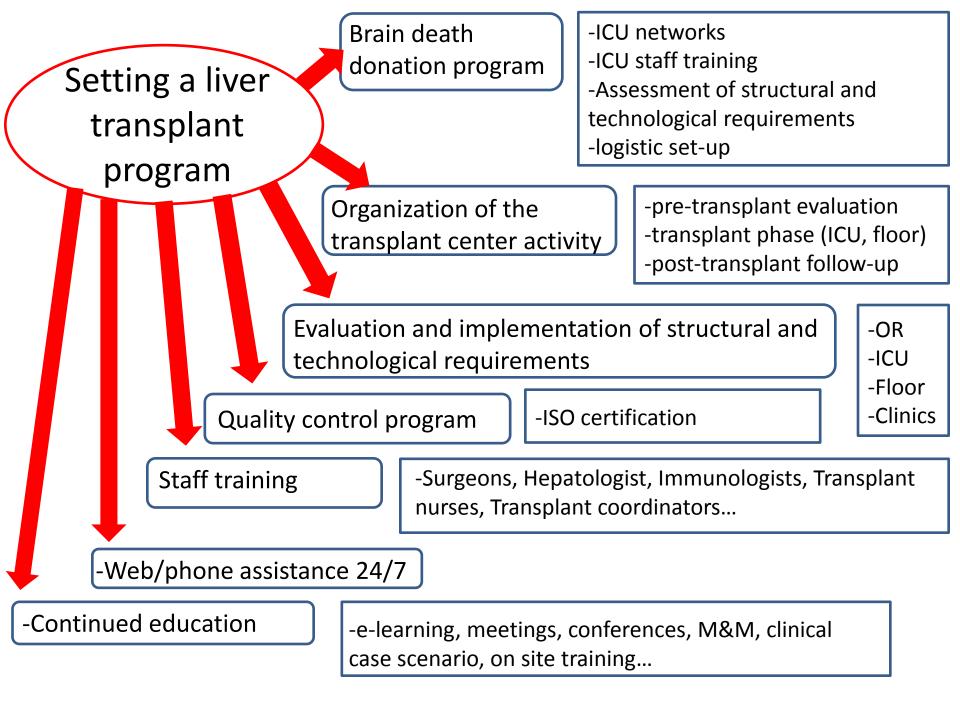
Middle and low-income countries have similar criticalities and priorities

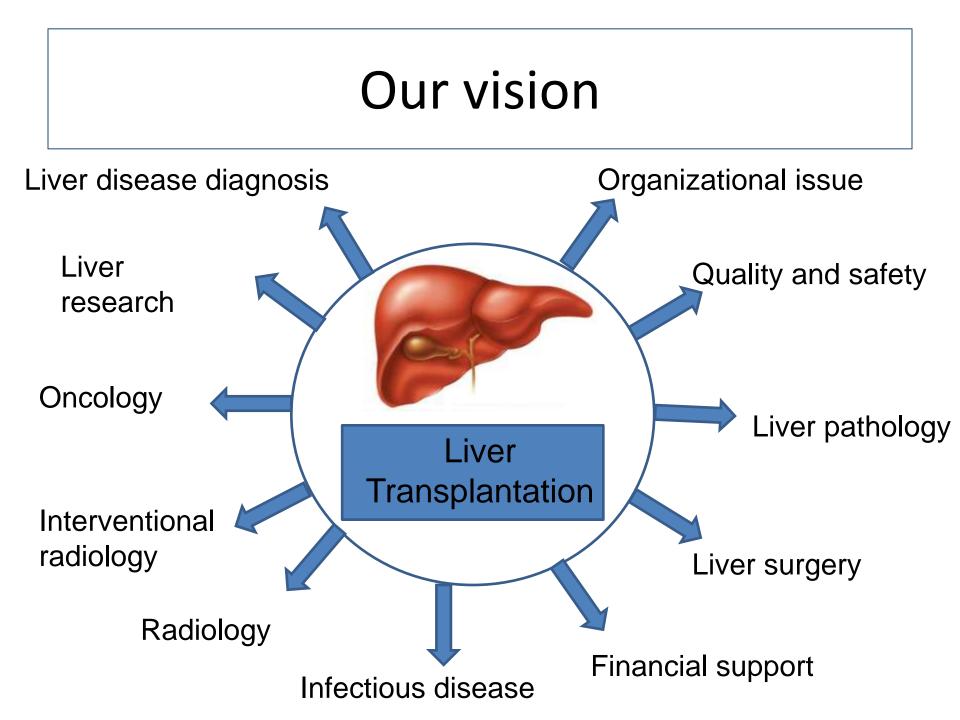
Development of a solid organ transplantation program from deceased donors: a global model

- Brain death organ donation program
- Organization of the transplant center
- Evaluation and implementation of the structural, technological and organizational requirements
- Establishment of a quality control program
- Staff training
- Web and phone support 24/7
- Continued educational program

Implementing the right program in the right context







Efforts of Tuscany and AOUP for the establishment of national transplant programs



"Change will not come if we wait for some other person or some other time. We are the ones we've been waiting for. We are the change that we seek." Barack Obama (US president)