# In The Name of God

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Long-term allograft survival is higher.

Pre-emptive TX

older living donors had a significant long-term allograft survival advantage over those who received a kidney from a young deceased donor.

Survival of Living 6 mismatched HLA is better than Deceased haplo-identical donors

Living donors are better than deceased donors for preemptive RTX in children

Shortage of ATG and other immunosuppressive drugs for induction

No ischemic time- No inflammation in the organ

advantages <u>Livi</u> u	ng donors Disadvantages
The incidence of delayed allograft function is lower	Ethical issues
Long-term allograft survival is higher.	Absence of long term follow up
Pre-emptive TX	Transplant tourism
older living donors had a significant long-term allograft surviv advantage over those who received a kidney from a young deceased donor.	val Black market
Survival of Living 6 mismatched HLA is better than Deceased haplo-identical donors	Reduces Deceased donation rate??
Living donors are better than deceased donors for preemptive RTX in children	ve No clear law for permission of living kidney donation
Shortage of ATG and other immunosuppressive drugs for induction	Usage of addict donors
No ischemic time- No inflammation in the organ	Non consensus about which living donor for which recipient
Fatwa for TX	Insurances are inactive

#### **Deceased donors**

#### advantages

No ethical Issue

No Black market

Free of charge

Fatwa for transplantation

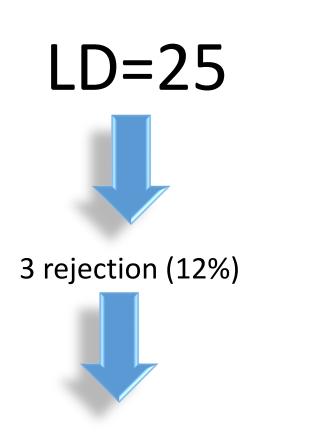
A large number of potential deceased donors

International acceptability

### **Deceased donors**

advantages	Disadvantages
No ethical Issue	Harvesting is not optimized
No Black market	Non optimized transportation of the organ
Free of charge	Sub-optimized organ
Fatwa for transplantation	Arriving of recipients too late
A large number of potential deceased donors	Delayed harvesting
International acceptability	Non clear pension of harvester and surgeon and nephrologist
	Non transparent law
	Improper advertisement
	Restriction of Immunosuppressive drugs (such as ATG)
	Immunosensitization of the recipient for future TX.
	No transparency for recipient and donor HLA typing
	Insurances are inactive

## 35 Donors in the Modarres hospital during the last 100 days





2 of them found non function

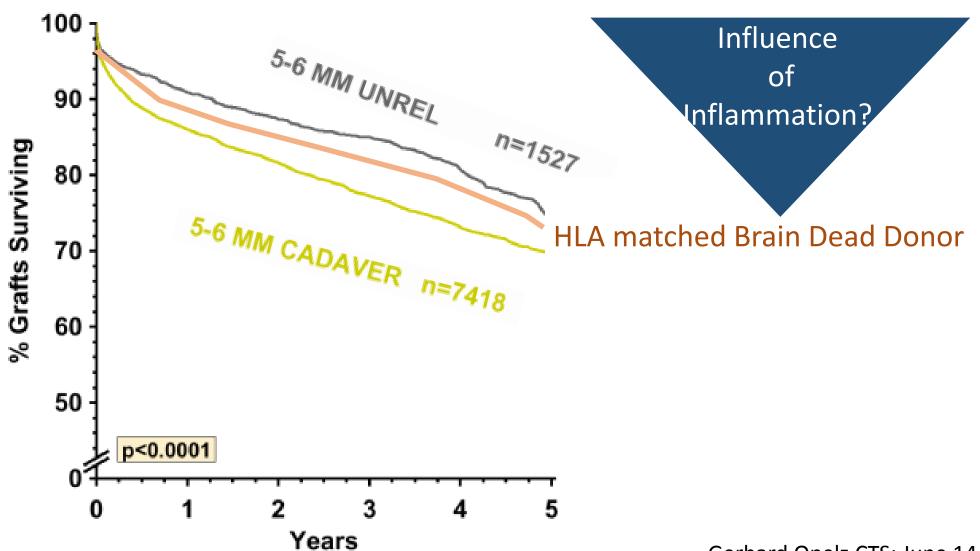
All of them responded to treatment

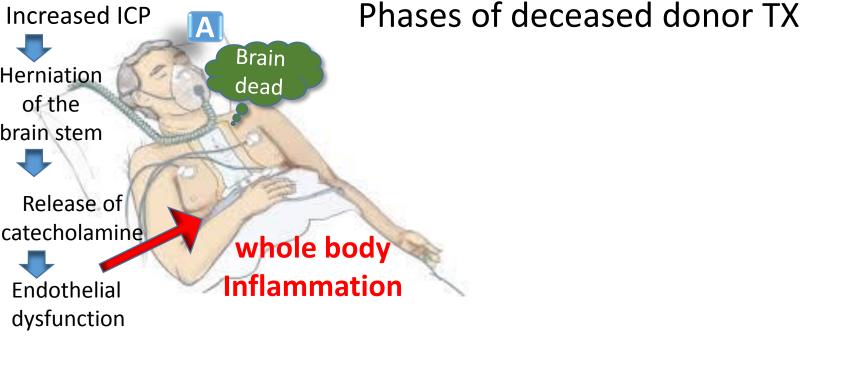
Does Deceased donation damage transplantation program?

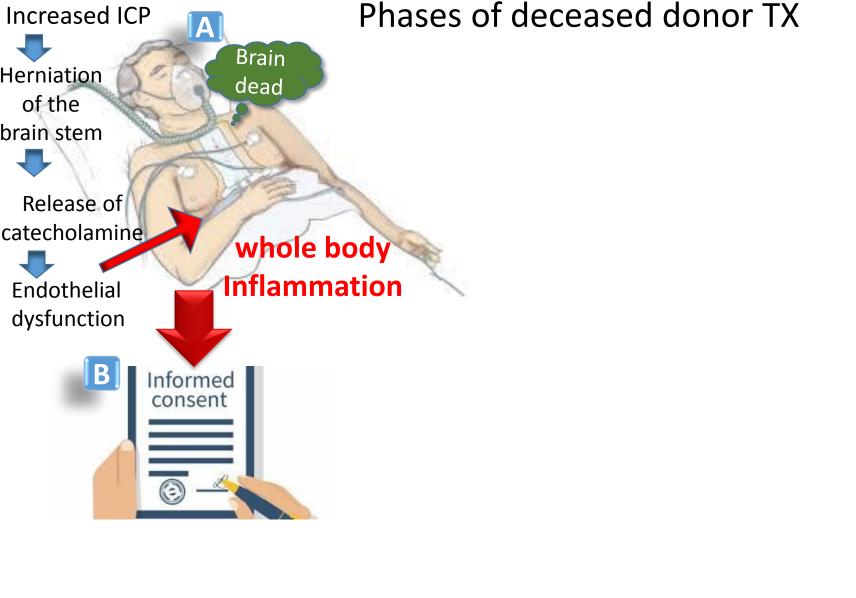
- 1-DGF/NGF
- 2-Harvesting of the prisoners organ
- 3- hypersensitization of recipients for second or third kidneys

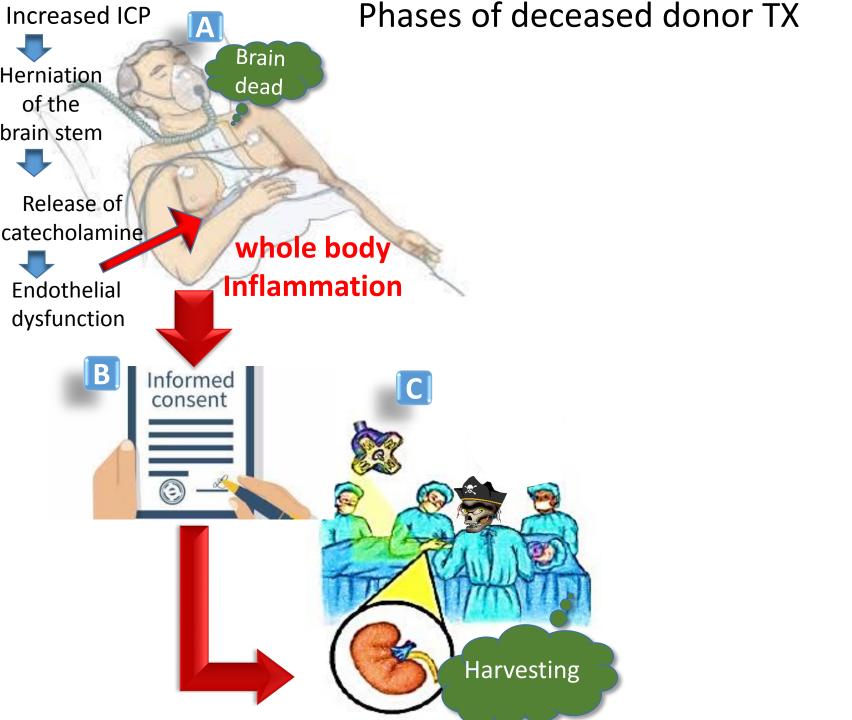
## **Unrelated Living vs Cadaver Donors 1995-2002**

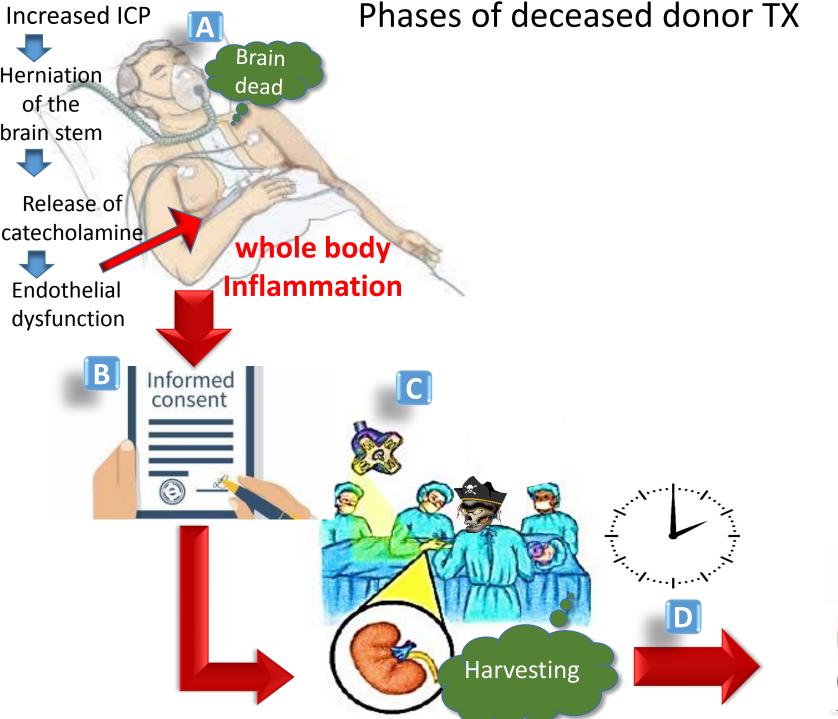
**HLA-A+B+DR Mismatches** 



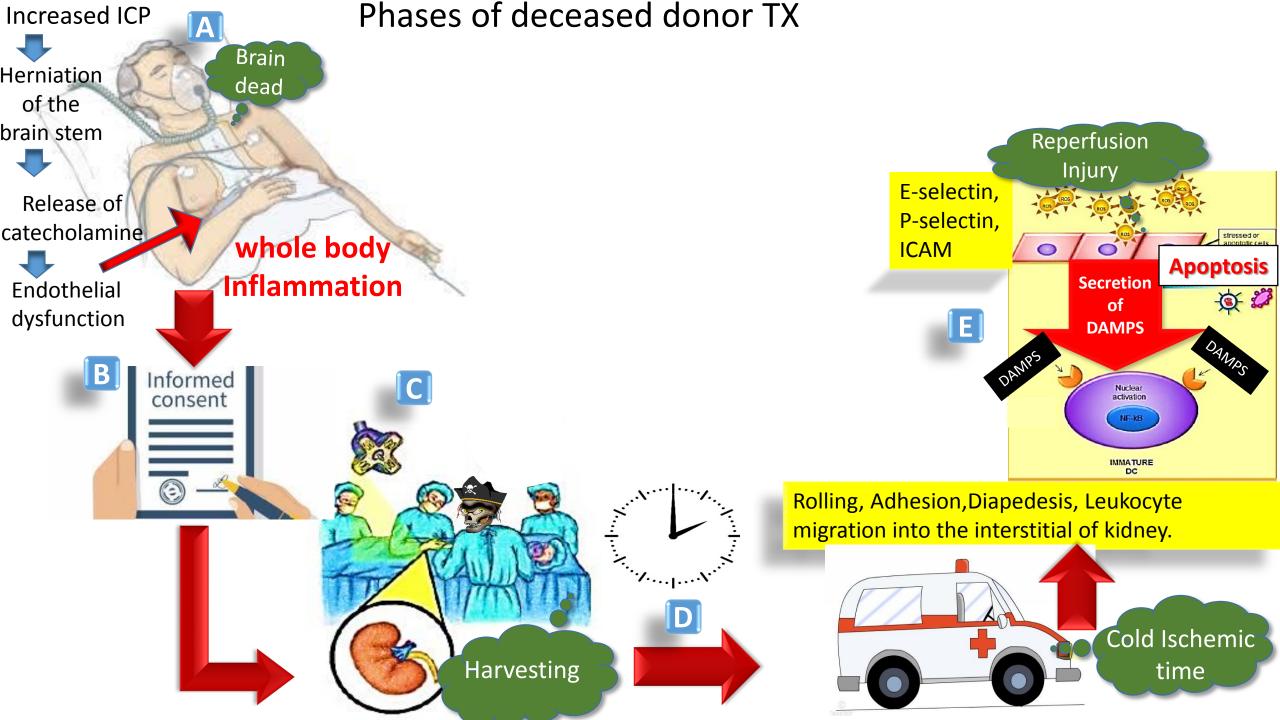


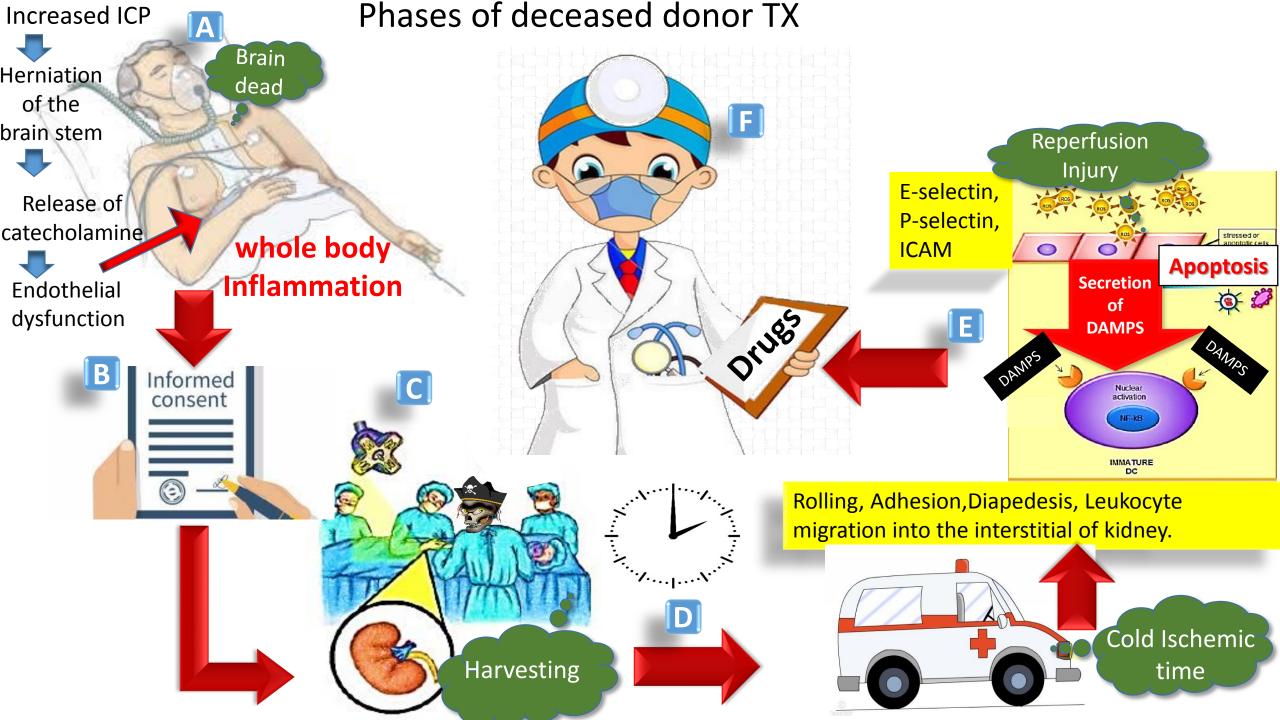












## Different dimensions of the ethical issues in organ transplantation

1	The degree of individual's autonomy over his own organs and donation to other people for organ transplantation
2	Ethical issues related to organ transplantation from a living person to a living person or from a cadaver to a living person
3	Ethical issues related to brain death and assurance of individual death
4	Ethical issues related to obtaining consent from the organ donor
5	Ethical issues related to how to select the recipient and prioritize the recipients
6	Ethical issues related to the material and spiritual rights of the donor and to ensure the definite health of the donor
7	Solving the issue of transplanted organ and tissue deficiency with attention to and observance of its ethical issues
8	Ethical issues related to the financial relationship between the donor and the recipient and its legal controls
9	The fetus as an organ donor and ethical issues related to it
10	Sexual cells and their use in tissue transplantation and related ethical issues
11	Genetic engineering in transplantation and ethical issues
12	Animal-to-human transplantation and ethical issues related to it
13	Creating organ banks and how to process organs and the ethical issues related to it
14	Organ transplantation in children (as a recipient or donor) and ethical issues related to it



Pre-emptive RTX better than Dialysis in children

# PEDIATRIC TRANSPLANTATION



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## The relationship of donor source and age on short- and longterm allograft survival in pediatric renal transplantation

A. W. Dale-Shall, J. M. Smith, M. A. McBride, S. R. Hingorani, R. A. McDonald

- Everything is not antigen matching.
- Organ procurement should be done as soon as possible after death declaration with minimal injury to the organs, with sophisticated transportation and accurate transplantation.
- chronic Allograft Dysfunction develops more common in brain-dead kidney compared with living controls.
- ❖ The use of pharmacological interventions for living or deceased donors to decline of renal function??