

Donor & Transplant Co-ordination

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Donors

Deceased Donors

- Heart Beating
- Ventilation support (ITU)
- Brain Death testing

Living Donors

(kidney, liver, Bone-marrow)

- Related
- Non Related
- Good Samaritan

Brain death (causes)

IRREVERSIBLE CESSATION OF FUNCTION OF **ENTIRE**
BRAIN INCLUDING BRAINSTEM

Head Trauma

Intracranial Hemorrhage

Anoxic Encephalopathy

Hanging/Strangling

Meningitis/infection

Positive Exam for Brain death

- No response to command
- No movements
- Pupils fixed (no optic nerve stimulation)
- No oculoccephalic reflex (eyes open & turn head)
- No Corneal reflexes – cotton swab over cornea.
- No response to supra-orbital stimulation (compress eyebrow ridge)
- No oculovestibular reflex – eyes open & inject ice water into ear canal
- No gag reflex
- No spontaneous respiration – temp removed from life support (ventilator)

Confirmed Brain Death

- Family support.
- Interview regarding organ donation.
- Consent (well informed of wishes - cope best)
- Support family (pre, during & post organ donation)
- Support Groups (TSG).

Evaluation of potential organ donor

- General screening

- Basic lab values.
- ABO blood typing
- Any infection – cultures & sensitivities
- HIV, EBV, CMV, Hep B & C,
- Human T-cell leukaemia Virus type 1 (HTLV)
- VDRL
- Lymph node for x-match.

Evaluation of potential organ donor

- Family interview –(habits etc)
- Medical history, previous surgery
- Clinical examination (tattoos, piercing, needle trauma)

And

- Exams & tests for each specific organ

Organ procurement

- Offer of organs to local & foreign teams
- Set time for harvesting/transplantation, co-ordination of surgical teams (incl. foreign), theatre etc.

Transplant recipients

- Kidneys: Caring Consultant, ABO compatibility, waiting list, tissue x-match.
- Heart – ABO, Cardiac surgeon.
- Corneas – caring consultant & waiting list. Can be retrieved late, from non-heart beating donors

Living Kidney donation (1)

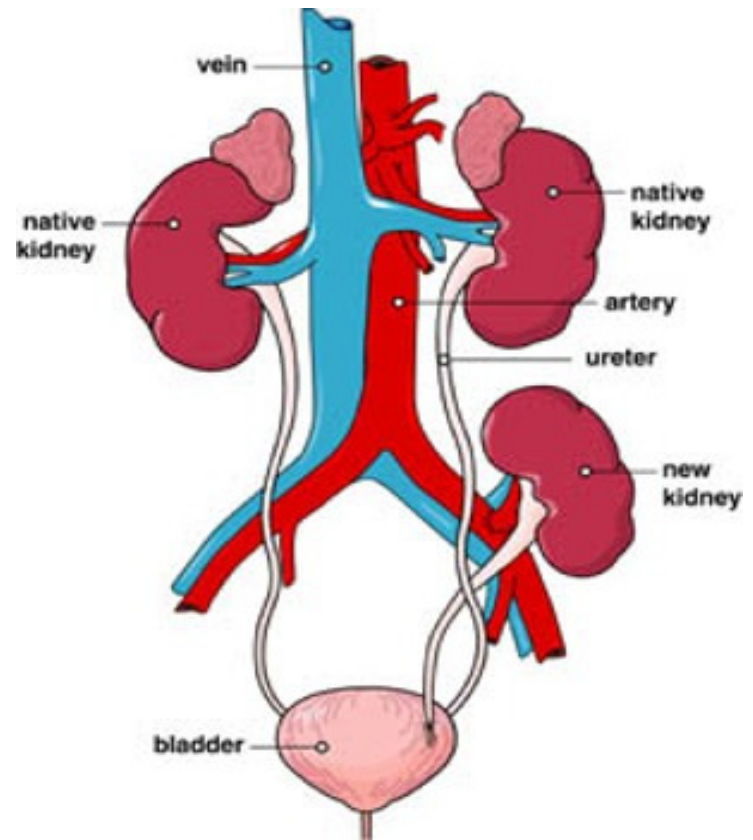
- Related/Non-related
- Altruistic donation. ULTAC / ethicist interview.
- Donor/s workout by Nephrologist/s to determine Renal Function (incl. screening)
- ABO, renal function, x-match & tissue typing (UK) .

Living Kidney donation (2)

- Psychologist appointment.
- CT & other imaging studies.
- Surgery OP appointment.
- Final x-match prior to surgery
- Elective surgery date.
- Booking pre-op ward, ITU bed.

Kidney transplant

- The new kidney above the pelvic bone and below the non-functioning kidney by suturing the kidney artery and vein to the patient's iliac artery and vein. The urether of the new kidney is then attached directly to the bladder of the patient.



Organ donation 2000 - 2010

Year	Cadaver Kidney	Living Kidney	Heart	Cornea	Heart Abroad	Kidney abroad	Liver abroad	Pancreas Abroad
2000	9	2	1	11	2		3	
2001	11		1	16			3	1
2002	12	3	1	10			1	
2003	7	1		10	2	2	2	
2004	6	4		11			4	
2005	5	2	1	17	2		3	
2006	12	3	1	22	1	5	10	
2007	5	2	1	8	1	1	1	
2008	8	3		10		2	6	
2009	6	3	1	15		7	9	
2010	11	3		9	1	5	7	
Totals	92	26	7	139	9	22	49	1

Organ donation

Inform of your wishes

