

# Living donor kidney transplantation

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This accounts for approximately 1000 kidney transplants annually in the UK, which is approximately one-third of the total renal transplant programme. Living donors may be related, unrelated, altruistic or part of a donor exchange scheme (for ABO blood group or HLA incompatibility). Potential live donors undergo extensive assessment that includes urine and Robert Lich Jr, urologist, Louisville, KY, USA. Willy Grégoir, Chef de Clinique Urologique, Brussels, Belgium (1962–1987). phy (if indicated) and CT angiography or MRA for the assessment of renal vascular anatomy. Renal function is measured by an accurate isotope GFR technique and must be above evidence-based age- and gender-specific safety thresholds for donation. Following unilateral nephrectomy, there is considerable compensation by the remaining kidney and donors are usually left with 70% of their predonation GFR. The mortality from donor nephrectomy is approximately 1:3000 and major morbidity occurs in <5%. Donation increases the risks of hypertension, renal failure and pregnancy-related complications.

Muscle Mucosa Figure 88.14 Ureteric implantation by direct anastomosis to a small cystotomy: Lich-Grégoir technique.

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Revision #1

Created 2025-12-31 15:31:38 UTC by Omar Ayman

Updated 2025-12-31 15:31:38 UTC by Omar Ayman